



gear
TECHNOLOGY®

PTE™



MOTION + POWER
TECHNOLOGY EXPO®

2025 OFFICIAL SHOW GUIDE

October 21-23, 2025
Huntington Place • Detroit, MI

MOTION + POWER
MANUFACTURERS ALLIANCE™

FOREST CITY GEAR
Seventy Years of Gears!
BOOTH #419



Star SU at Booth #559
October 21-23, 2025

Gear Up for Innovation

From raw material to finished gear — your trusted partner in complete gear solutions

See how Star SU is shaping the latest gear manufacturing technologies. At this year's Motion + Power Technology Expo, we'll showcase innovations that deliver precision, performance, and productivity — from the smallest micro gear to the most advanced machining solutions.

Complete Gear Manufacturing

Star SU delivers complete gear manufacturing solutions with over 100 years of expertise, advanced CNC technology, and proprietary carbide materials.

Perfect Chamfer, Every Time.

The Star SU Chamfer Hob delivers complete chamfering solutions with advanced hobbing technology for burr-free results, long tool life, and versatile performance across standard and complex gear profiles.

Alcrona EVO for Proven Savings

Altensa EVO coating delivers complete productivity solutions by increasing uptime, extending tool life, and reducing costs across the full Star SU gear cutting tool portfolio.

Louis Bélet Micro Solutions

Star SU distributes Louis Bélet micro machining solutions in North America, including the Series 8100 hob cutter that delivers Swiss fine-pitch gear quality on Swiss-type machines without a dedicated hobbing system.

What's NXT for Gear Tool Sharpening

The NXT 5-axis CNC tool and cutter grinding machine delivers complete sharpening solutions with compact power and versatility across hobs, shaper cutters, Scudding®, skiving tools, and round tools.



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Visit us at Booth 559
www.star-su.com

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GENERAL INFORMATION

OFFICIAL REGISTRATION AND SHOW HOURS

DATE	REGISTRATION HOURS	SHOW HOURS
Monday, Oct. 20	8:00am–4:00 pm	
Tuesday, Oct. 21	7:00am–6:00 pm	10:00am–6:00 pm
Wednesday, Oct. 22	7:00am–5:00 pm	10:00am–5:00 pm
Thursday, Oct. 23	7:00am–4:00 pm	10:00am–4:00 pm



The Foundation awarded
17 scholarships for the
2025-2026 school year.

We are only able to do this with
your continued support!

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DON'T MISS IT!

Highest demand on
gear manufacturing
– Driving Vision to
Solution

- Gear manufacturing
standard prior to
e-mobility
- Gear Which quality
improvements does
the e-mobility
require and why?
- What is the DVS
Group improving
today to reach those
new standards?



**MOTION-POWER
TECHNOLOGY EXPO**

**21. – 23. OKT.
Booth: 359**

GET IN CONTACT WITH
DVS TECHNOLOGY AMERICA
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Right Now.*

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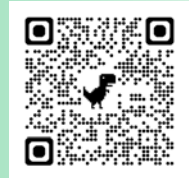


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ENTRY INTO MOTION + POWER TECHNOLOGY EXPO 2025

All registrants must wear a computerized badge to gain entry into the Exhibition Hall. Badges may be picked up in the Registration Area located in the lobby outside the exhibition. Admission to MPT Expo is open to industry-related adults only. No one under the age of 18 will be admitted to the Exhibition Hall. Your badge also gains you entry into the ASM Heat Treating Society's Exhibition.

Visit us:
Booth 219



DIAMOND DRESSING TOOLS
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INTERNET SERVICE

Free Wi-Fi is available in the common areas of the Convention Center and the Expo floor.

FOOD SERVICE

During show hours, salads, sandwiches, desserts, beverages and more will be available for purchase in the Concessions areas located throughout the Exhibition Hall. There are also a variety of restaurants within walking distance of the convention center which can be accessed from the main entrance on Washington Blvd. Show floor concessions will be open from 11:00 a.m. until 2:00 p.m. on 10/21-10/23

Cost-effective optimization of tooth flanks

New application areas for twist-free gearing

LIEBHERR

Gear Technology

MOTION & POWER
Detroit, MI
October 21-23, 2025
Booth 519



<https://go.liebherr.com/bu477q>

Efficiency gains in twist-free generating grinding

By advancing twist-free generating grinding, Liebherr-Verzahntechnik GmbH is elevating efficiency and quality in hard-fine machining to the next level. The machining times when using dressable grinding worms have been reduced to almost the same level as conventional methods – even with asymmetrical gear teeth.

- Generating grinding up to module 14 mm
- Outstanding tool dimensions up to 320x250 mm (DxL)
- Excellent surface qualities with Fine Grinding and Polishing
- 100 % Traceability with LHProcessMonitoring
- Dry workpieces thanks to integrated station
- Closed loop connectivity with gear inspection machines

Liebherr Gear and Automation Technologies, Inc. • 1465 Woodland Drive • Saline, MI 48176-1259
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UNAUTHORIZED SOLICITATION

Solicitation of business on the premises of the Exhibition Hall by anyone other than representatives of official exhibiting companies is strictly prohibited. Please report any unauthorized solicitation immediately to Show Management.



Gearing your past to power your future.

Breakdown Services

We understand the urgency of meeting critical deadlines. We offer our customers expedited services without sacrificing quality.

Heat Treatment

Our in-house heat treat facility performs a full range of services that include annealing, carburizing, and thru hardening.

B&R Machine and Gear Corporation is a full service gear manufacturing facility driven to power your equipment with reliable and durable gears that are built to perform and last. Find the perfect mesh. No matter the gear, we've got you covered.

VISIT OUR WEBSITE BRGEAR.COM FOR MORE INFORMATION

PARKING AND GETTING AROUND DETROIT

Huntington Place has parking available for a fee paid by credit card only on a first-come, first-serve basis at the Roof Deck parking, Washington Blvd. Garage, and the Huntington Place Congress Street Garage.

BADGE COLORS AND TYPES

Education

Green



Press

Black



Speaker

Yellow



Staff

Clear



Student

Purple



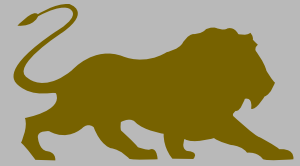
Exhibitor

Blue



Expo Only

Red



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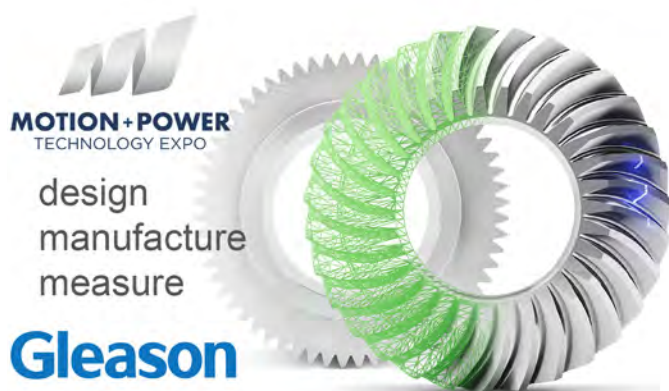


**Visit Gleason at
MPT 2025—Booth 529**

Design/Manufacture/ Measure at MPT 2025

DESIGN/MANUFACTURE/MEASURE: GLEASON PRESENTS SMART LOOP GEAR MANUFACTURING AT MPT 2025 IN DETROIT

Gleason Corporation invites customers and industry professionals to visit Booth 529 at Motion + Power Technology Expo 2025, short MPT, in Detroit, from October 21 to 23, 2025. This year, Gleason will present groundbreaking innovations across the full spectrum of gear technology—from digital design and high-precision manufacturing to nano-level inspection—with a particular focus on Smart Loop Gear Manufacturing.



At the heart of Gleason's presentation is the seamless transition from gear design to manufacturing. The latest *KISSsoft® Gear Design Software*, now integrated with the *KISSsoft System Module*, offers advanced capabilities for simulating complete transmissions and gearbox components. These innovations streamline the engineering process and will be showcased live at the booth.

In manufacturing, Gleason introduces several new solutions tailored to small and medium-sized gear production. The Phoenix® 100C Bevel Gear Cutting Machine enables fast, user-friendly production of high-precision bevel gears for robotic and industrial applications. For differential gear systems, the Coniflex® Pro Manufacturing System sets new standards in a closed-loop environment, significantly reducing surface stress and root bending while improving NVH performance and transmission accuracy.

In gear inspection, Gleason unveils the 300GMSP nano Gear Metrology System, which delivers submicron precision using a skidless probe and advanced evaluation tools such as Waviness Analysis and the *KTEPS (Kinematic Transmission Error Prediction Software)*. These technologies

enable fast and accurate diagnosis of gear noise and surface deviations. New to Gleason's Metrology Program are the INTRA Single and Double Flank Testing systems, which are tailored to customers needs and can be fully automated in line or in cells.

Visitors will also experience the speed of the QFS Quick-Flex System, where workholding changeovers take less than 30 seconds, and see the latest hydraulic and mechanical clamping systems designed for precision and ease of handling across a wide range of machining needs.

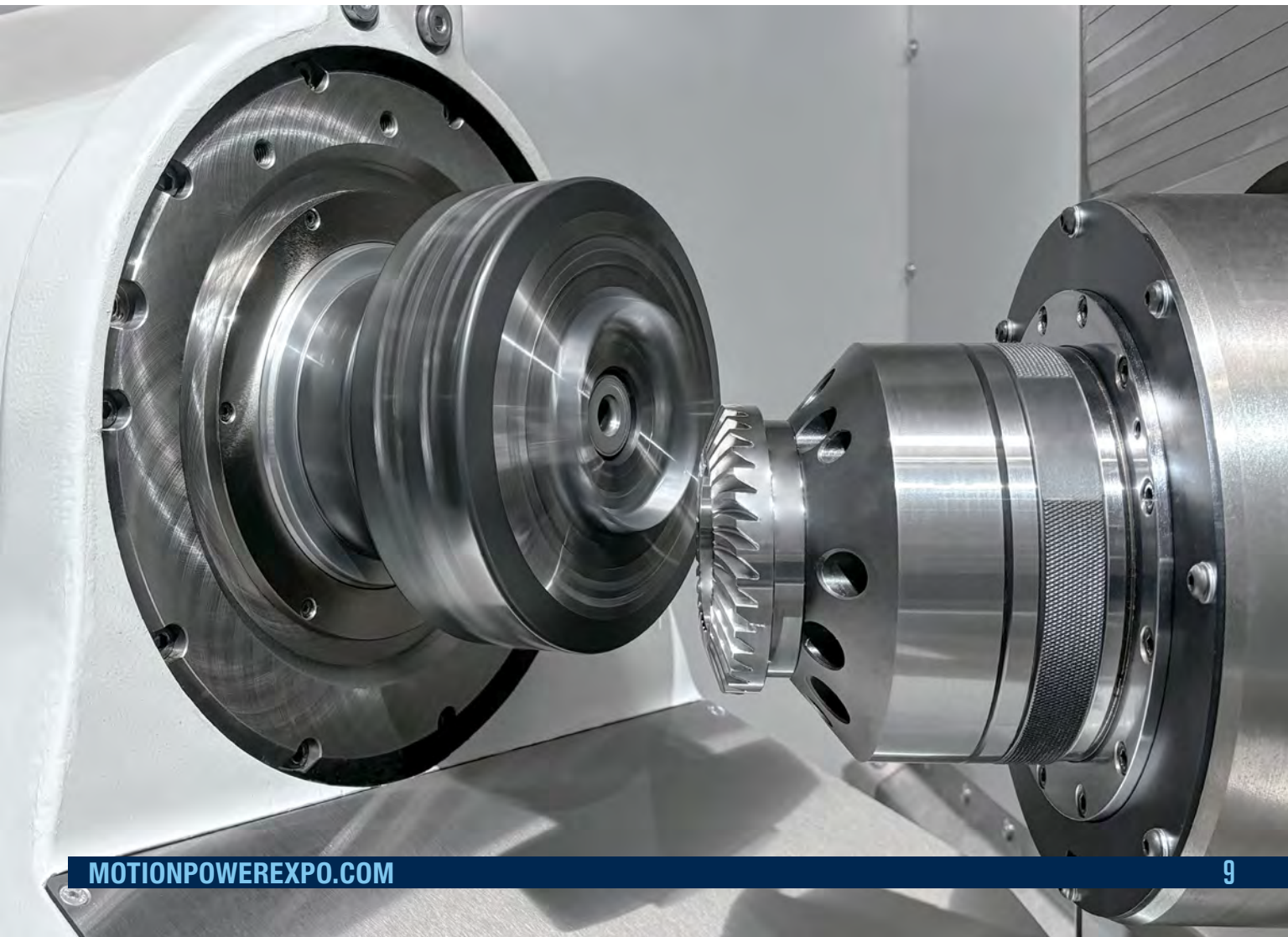
Complementing the machinery, Gleason presents a broad range of cutting and hard finishing tools. These include high-performance hard finishing tools for grinding and honing applications, carbide power skiving cutters for any machine platform, and a full portfolio of HSS and carbide hobs and milling cutters, including worm gear hobs

and coarse pitch hobs, suitable for automotive, industrial, and many other applications.

Additionally, Gleason Plastic Gears provides optimized gear tooth macro and micro geometry using *KISSsoft*, system analysis, design-for-moldability, custom material selection, single and multi-cavity molds, no weld-line technology, over-molding and much more.

Finally, Gleason Global Services will be on site to demonstrate how digital maintenance tools, modernization programs, and expert support ensure maximum uptime and performance across the entire machine lifecycle.

Visit Gleason at MPT 2025—Booth 529
REGISTER NOW FOR YOUR FREE TICKET AT:
WWW.GLEASON.COM/MPT2025



EDUCATION

The education courses at the 2025 Motion + Power Technology Expo offer exclusive access to a wide-ranging series of technical seminars taught by industry leaders and insiders. From novice to expert, there are courses for all career levels. Each course is conveniently situated just steps from the Expo floor so you can combine classroom learning with hands-on experience with the equipment. Admission to the exhibit hall is included with your seminar registration.

WEDNESDAY, OCTOBER 22– FRIDAY, OCTOBER 24

AGMA FALL TECHNICAL MEETING

Technology is changing manufacturing, so to keep up in today's marketplace, designers and manufacturers must follow emerging trends and communicate the latest ideas with fellow experts in the field. AGMA's in-person Fall Technical Meeting (FTM) is the perfect forum for this. AGMA selects authors to write peer-reviewed technical papers on gear industry topics. Topics include: design, analysis, manufacturing, quality, materials, metallurgy, heat treatment, operation, maintenance, efficiency, and gear failure. Authors present their papers in a single-track conference. Full registrants receive copies of all papers, can see all presentations, ask the presenters questions, and network with their peers over three days.

MONDAY, OCTOBER 20

ANALYTICAL GEAR CHART INTERPRETATION

12:00 pm–4:00 pm

Dwight Smith

This course provides an introduction to the methods of analytical gear inspection, focusing on how to evaluate and interpret the resulting data. It will explore how this information can be applied to identify and correct manufacturing errors. The course also covers chart interpretation, using inspection data to analyze the causes of manufacturing issues and their solutions. Various chart examples will be used to demonstrate cause and effect.

WHY BEARINGS ARE DAMAGED

12:00 pm–4:00 pm

Matt Nagel & Garrett Lenz

The American Bearing Manufacturers Association is offering this course on rolling element bearings for those involved in industrial

equipment design, reliability, and maintenance. It will include a basic overview of rolling bearings, their selection, precision and mounting considerations, service life estimation, and lubrication-related influences. A hands-on damage analysis session will be the featured portion of this program.

TUESDAY, OCTOBER 21

AN OVERVIEW OF EV AND HYBRID VEHICLE POWERTRAINS

8:00 am–5:00 pm

**William "Mark" McVea Ph.D
P.E.**

This course covers the concept, development, design, and initial analysis of EV transaxle gearboxes. We will explore common EV transaxle architectures, power flow, and layout, while focusing on the functional and operational requirements shared across all designs. A key difference

between EV transaxles and traditional transmissions is the absence of an internal combustion engine, which normally masks NVH (noise, vibration, and harshness). EVs require quieter gearboxes due to the distinct frequency and magnitude of electric motor vibrations. This shift to higher frequencies and lower magnitudes will be explored in detail, along with other key design considerations.

INTEGRATION AND TRADE-OFFS IN GEAR AND BEARING SYSTEMS

8:00 am–5:00 pm

Michael Berhan, Ford Motor Company

This course will cover the concurrent design and analyses of gears and bearings in integrated systems like gearboxes, transmissions, and electric motor drives, so as to allow for good integration and faster optimization of the overall system. This will help gear engineers and suppliers better determine the trade-offs with the bearings, help bearing engineers and suppliers similarly with the gears, and system engineers better understand both. The examples covered are generic but should be useful both within and across industries that use these components and systems.

WEDNESDAY, OCTOBER 22

BASICS OF GEARING

8:00 am–5:00 pm

William "Mark" McVea Ph.D P.E.

Dramatically improve your knowledge and productivity through Basics of Gearing. This course will be presented in a

two-day format and will give you a comprehensive overview of standard gearing nomenclature, gear-involute geometry, inspection procedures, and much more.

The advertisement features a stylized, futuristic robot with a white and blue color scheme, positioned on the left side. The robot has a transparent head showing internal mechanical components and is gesturing towards a large, detailed gear assembly on the right. The background is a dark blue gradient. The EMAG logo is in the top left corner. The text 'Complete Gear Manufacturing Solutions' is prominently displayed in the center-right. Below it, the phrase 'Achieve unmatched accuracy and efficiency in gear production' is written. At the bottom right, there is a red button with the text 'Booth #329'. The bottom of the ad features the 'MOTION+POWER TECHNOLOGY EXPO' logo.

EMAG

Complete Gear Manufacturing Solutions

Achieve unmatched accuracy and efficiency in gear production

Meet EMAG's team at

Booth #329

MOTION+POWER
TECHNOLOGY EXPO

A PRACTICAL APPROACH TO MANAGING GEAR NOISE

8:00 am–5:00 pm

Robert White

This course blends basic theory with practical testing and simulation methods for managing gear noise. The course focuses on understanding the mechanisms behind whine

and rattle, the two most common types of gear noise. It provides clear explanations that connect subjective noise evaluations to objective actions, such as troubleshooting and countermeasures, based on the instructors' firsthand industry experience.

INTEGRATION AND TRADE-OFFS IN GEAR AND BEARING SYSTEMS

8:00 am–5:00 pm

Michael Berhan, Ford Motor Company

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THURSDAY, OCTOBER 23

DESIGN AND PERFORMANCE RATING PROCEDURES FOR PLASTIC GEARS (SPUR AND HELICAL)

8:00 am–5:00 pm

Damijan Zorko & Borut Černe

The course focuses on all aspects of the design process of gearboxes with plastic gears. The covered topics were selected based on state-of-the-art industrial projects, working with stakeholders from



2026 Calendar of Events

Learn from industry experts. Network with your peers.

2/3/2026-2/12/2026

GEARBOX CSI

Online

2/24/26

ANALYTICAL GEAR CHART INTERPRETATION

Online

2/25/26

DESIGN BASICS OF SPUR AND HELICAL GEARS

Online

2/26/26

BASIC LOADED TOOTH CONTACT ANALYSIS THEORY

Online

3/2/2026-3/6/2026

BEVEL GEAR SYSTEMS DESIGN

Online

3/24/26

HIGH PROFILE CONTACT RATIO GEARING

Online

3/26/26

TAMING TOOTH DEFLECTIONS

Online

4/13/2026-4/17/2026

BASIC TRAINING FOR GEAR MANUFACTURING

Chicago, IL

4/24/2026-4/26/2026

MPMA ANNUAL MEETING

Charlotte Harbor, FL

5/18/2026-5/21/2026

ADVANCED CONCEPTS OF BEARING TECHNOLOGY

Schaumburg, IL

5/19/2026-5/21/2026

EV AUTOMOTIVE TRANSMISSION SYSTEM DESIGN

Schaumburg, IL

6/2/2026-6/4/2026

FUNDAMENTALS OF GEAR DESIGN AND ANALYSIS

Clearwater Beach, FL

6/4/2026-6/6/2026

STRATEGIC NETWORKING AND LEADERSHIP FORUM

Indianapolis, IN

6/9/2026-6/11/2026

GEAR FAILURE ANALYSIS

Detroit, MI

6/23/26

ANALYTICAL GEAR CHART INTERPRETATION

Online

7/13/26

DESIGN BASICS OF SPUR AND HELICAL GEARS

Online

7/14/2026-7/15/2026

INVOLUTE SPLINE DESIGN AND RATING

Online

7/16/26

BASIC LOADED TOOTH CONTACT ANALYSIS THEORY

Online

7/21/2026-7/22/2026

OPERATOR GEAR GRINDING

Online

8/4/2026-8/6/2026

FUNDAMENTALS OF WORM AND CROSSED AXIAL HELICAL GEARING

Charlotte, NC

8/4/2026-8/6/2026

ESSENTIAL CONCEPTS OF BEARING TECHNOLOGY

Charlotte, NC

8/18/2026-8/27/2026

GEARBOX SYSTEMS DESIGN

Online

9/1/2026-9/2/2026

HOW TO READ AND INTERPRET A GEAR INSPECTION REPORT

Online

9/22/2026-10/1/2026

DETAILED GEAR DESIGN

Online

9/28/2026-10/2/2026

BASIC TRAINING FOR GEAR MANUFACTURING

Chicago, IL

10/5/2026-10/7/2026

FALL TECHNICAL MEETING

Rosemont, IL

10/20/2026-10/22/2026

GEAR MATERIALS

Wilmington, DE

10/20/2026-10/22/2026

LUBRICATION AND WEAR

Wilmington, DE

11/2/2026-11/3/2026

DESIGN AND PERFORMANCE RATING PROCEDURES FOR PLASTIC GEARS

Online

11/4/2026-11/5/2026

REVERSE ENGINEERING

Online

11/10/2026-11/12/2026

GEAR FAILURE ANALYSIS

Detroit, MI

In-plant trainings available! Email education@motionpower.org for a quote.

Register Now agma.org

automotive, micro-mobility (e-bikes), house appliances, aerospace, chemical, power tools and robotics sectors.

**MATERIALS SELECTION
AND HEAT TREATMENT OF
GEARS**

8:00 am–5:00 pm
**Carl Ribaudó, Sarah
Tedesco, and ASM**

Because of their unique contribution to the operation of so many machines and mechanical devices, gears have received special attention from the technical community

for more than two millennia. New developments in gear technology, particularly from the materials and heat treatment perspectives, have improved gear performance. This course, developed jointly by AGMA and ASM International, will provide an overview of materials selection and heat treatment of gears. Topics covered include: Gear material selection, heat treatment, material hardenability, allow steel selection, gear failure concerns, manufacturing considerations, material form, cast iron,

powdered metal, bronze and brass, and plastics.

BASICS OF GEARING
8:00 am–5:00 pm
**William “Mark” McVea Ph.D
P.E.**

Dramatically improve your knowledge and productivity through Basics of Gearing. This course will be presented in a two-day format and will give you a comprehensive overview of standard gearing nomenclature, gear-involute geometry, inspection procedures, and much more.

PRICING

	Member	Nonmember
Fall Technical Meeting Full Pass	\$1,450	\$1,750
Fall Technical Meeting Single Sessions	\$425	\$525
Fall Technical Meeting Student Pass	\$250	\$250
Fall Technical Meeting Professor Pass	\$500	\$500
Basics of Gearing	\$1,025	\$1,100
Integration and Trade-Offs in Gear and Bearing Systems	\$900	\$975
Design Basics for Spur and Helical Gears	\$450	\$525
Why Bearings are Damaged	\$450	\$525
Loaded Tooth Contact Analysis	\$450	\$525
Modern Automated Gear Quality Assessment Technology	\$675	\$750
Materials Selection and Heat Treatment of Gears	\$675	\$750

Let's meet @ **ASM Heat Treat | BOOTH 1311**



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SINGLE TO MULTI-PROCESS | GAS OR OIL QUENCH | ADVANCED AUTOMATION & ROBOTICS

NANO *Compact*

- 3 stacked heating cells (up to 6 with 2 heating modules)
- Gas quenching cell (up to 20 bar)

ECO *Eco-Friendly*

- Double chamber with oil or gas quenching
- Pitless oil quench design available

APEX *Adaptive*

- Configurable system integrated with robotics/tempering
- 360° or Up/Down, Bottom/Up Directional Gas Quenching

FLEX *Flexible*

- Oil (hot/cold) and/or gas (up to 20 bar) quenching
- Heating cells based on required production capacity

JUMBO *High Capacity*

- Up to 12 cells in a single row
- Multi-processing with oil and/or gas quenching

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- Workload assembly/disassembly for various load scenarios - including large automotive over 1,000kg
- Optimize workflow and dunnage management



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NETWORKING

WOMEN IN MANUFACTURING AND ENGINEERING BREAKFAST

TUESDAY, OCTOBER 21

7:00 am–9:00 am

AGMA and ASM are pleased to invite all women at MPT Expo to a networking breakfast where there will be a panel of industry experts sharing experiences and advice about how to become leaders in your field and how to avoid complacency in the workforce to advocate for your own career. Join others from all sectors of manufacturing and engineering, from new employees to high-level executives, to build new relationships, grow your network, and innovate for the future.

Who should attend: All women exhibiting or attending Motion + Power Technology Expo, the Heat Treat Conference & Exposition, or IMAT events who want to network and be inspired!

THE MATERIALS FUSION EXPERIENCE - WEDNESDAY SOCIAL NETWORKING EVENT

SOLD OUT

WEDNESDAY, OCTOBER 22

6:00 pm–9:00 pm

Join us for The Materials Fusion Experience, an exclusive social networking event, offering a dynamic and immersive environment for professionals to connect, collaborate, and explore the city's vibrant history and industry. This event seamlessly blends the city's cultural roots with modern innovation, creating a multifaceted experience designed to inspire, engage, and foster meaningful connections.

Don't miss this opportunity to engage with thought leaders, expand your professional network, and immerse yourself in Detroit's unique blend of history, culture, and industry. Whether you're looking to collaborate, discover new ideas, or simply enjoy. The event will take place at Huntington Place Convention Center.

Who should attend: All those attending or exhibiting at Motion + Power Technology Expo, the Heat Treat Conference & Exposition, or IMAT events.

FALL TECHNICAL MEETING (FTM) NETWORKING RECEPTION

THURSDAY, OCTOBER 23

6:30 pm–8:30 pm

Join us for an evening of networking, entertainment, and connection at Corktown Taphouse. This high-energy reception brings together professionals from across the gear industry in a relaxed setting, offering a chance to meet new attendees, reconnect with colleagues, and set the stage for a week of innovation and collaboration. Enjoy interactive games like augmented reality darts and duckpin bowling, designed to spark conversation and fun. With over 70 self-pour beverage options, including craft beers, ciders, wines, and non-alcoholic choices, there's something for everyone. Whether you're looking to grow your network or simply enjoy a lively evening with colleagues, this event is the perfect way to start the 2025 Fall Technical Meeting. This reception is included in FTM Full Pass registrations. Tickets are available for Single Session Passholders and MPT Expo attendees.

Who should attend: The reception is included in your registration for Full FTM attendees, but the reception is open to anyone interested in joining the fun!



Booth #537

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felsomat.com

FALL TECHNICAL MEETING

Take a deep dive into the gear industry at AGMA's Fall Technical Meeting. This meeting brings together top researchers from across the globe who will provide the latest information on their peer-reviewed gear industry research. Network with the industry experts, academics, and engineers; ask your burning questions; and see what is in the future of this industry.

WEDNESDAY, OCTOBER 22

TECHNICAL SESSION 1— DESIGN AND RATING

10:00 am–1:00 pm

- **Independent Pinion and Gear Profile Shift for Bevel Gears**
Prof. Dr. Hermann J. Stadtfeld, Gleason Corporation
- **Gear Scuffing Analysis Comparison Study**
Zhiyuan Yu, Drive System Design
- **Design and Load Capacity of Crown Gears in Comparison to Bevel Gears**
Joachim Thomas, ZG Hypoid GmbH
- **TIFF Identification and Resolution of Automotive Straight-Toothed Bevel Gears**
Caleb Gurd, Eaton Corporation

- **Local Damage Based Micro Geometry Design Method for Planetary Gears Considering Axis Misalignments and Load Deformations**

Simon Nohl, Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University

- **Special Presentation: Activities and Responsibilities of ISO/TC 60/SC 2/WG 6**
Karsten Stahl, Gear Research Center (FZG), Technical University of Munich (TUM)

- **Repair and Fabrication of Gears Using Laser Directed Energy Deposition**
Diego Montoya, Ikergune, INZU Group

TECHNICAL SESSION 2— ELECTRIC VEHICLES AND EMERGING TECHNOLOGY

2:30 pm–5:30 pm

- **Nanocomposite Coatings for Thermoplastic Gears**
Peter Schmidt, United Protective Technologies, LLC, UNCC PORTAL Borut Černe, RD Motion, d.o.o.
- **Performance-Driven Design of Multi-Stage Gear Transmissions for E-Drive Systems**
Claudio Autore, Ferrari S.p.A.
- **Investigations on the Wear Behavior of Plastic Crossed Helical Gears**
Martin Weber, Gear Research Center (FZG), Technical University of Munich (TUM)
- **Impact Load Considerations in Automotive Gear Design**
Carlos Wink, Eaton Corporation

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Grindex
INTERNATIONAL 2026
7th INTERNATIONAL EXPO ON GRINDING AND FINISHING PROCESS

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- **High-Damping Lightweight Design for Laser Powder Bed Fusion 20MnCr5 Gears**

Bruno Henrique Lima,
Aeronautics Institute of Technology

- **Interaction of Gear and Bearing Simulation for Planetary Gear Stage Optimization**

Michael Otto, Gear Research Center (FZG), Technical University of Munich (TUM)

- **Extraction of Imaged Tooth Contact Patterns by Iterative Least Squares Approach**

Tom Abraham, Rochester Institute of Technology

- **Residual Stress Evolution and Stability: Assessing Heterogeneity and Relaxation in Gear Operation**

Bruno Henrique Lima, Aeronautics Institute of Technology

- **Investigating the Effects of Wear, Lubrication and Material Pairing on the NVH Performance of Plastic Gears**

Damijan Zorko, RD Motion, d.o.o.

- **Application of PM Solutions for Optimization of Transmission Gear Noise in Battery Electric Vehicles**

Philipp Kauffmann, Johnson Electric Aachen

THURSDAY, OCTOBER 23

TECHNICAL SESSION 3— MANUFACTURING AND INSPECTION

10:00 am–1:00 pm

- **Areal Surface Characterization of Involute Gears with Microgeometry Corrections and Contact Fatigue Damage for Tooth Contact Analysis**

Tom Reavie, Newcastle University

- **Acceleration Data-Based Analysis of Tool Wear in Gear Hobbing**

Steffen Hendricks, Manufacturing Technology Institute (MTI) of RWTH Aachen University

- **Vibration Analysis for Fault Diagnosis of Cycloidal Gearbox Using Wavelet Transform**

Sandeep Thube, Sumitomo Drive Technologies

- **Hard Gear Skiving With High-Performance Tools – An Innovative Technology for Future Drivetrains**

Andreas Hilligardt, Reishauer AG

TECHNICAL SESSION 4— EFFICIENCY AND NVH

2:30 pm–5:30 pm

- **A Novel Prediction of the Transmission Accuracy by Means of the Integrated Position Error Phenomenon for a Gear Pair**

Bahadır Karba, Bursa Uludağ University

- **Efficiency of Bevel and Hypoid Gears—Calculation Approach and Comparison with Experimental Test Results**

Lorenz Constien, Gear Research Center (FZG), Technical University of Munich (TUM)

- **Holistic and Statistical Approach to the Impact of Manufacturing Deviations on the Transmission Error, Structural Vibrations and the Acoustic Behavior of Gearboxes**

Dennis Tazir, FVA GmbH

- **A Comparative Study of the Effect of Damping in the Dynamic Analysis of Drivetrains for NVH Performance Evaluation**

Adam Ata, KISSsoft AG

FRIDAY, OCTOBER 24

TECHNICAL SESSION
5—MATERIALS AND
PERFORMANCE

9:00 am–12:00 pm

- **Strategy for Accounting Residual Stresses Heterogeneity on the Stress Modelling Oriented to Tooth Root Bending Fatigue**
Caio Felipe Siqueira
Gomes, Aeronautics
Institute of Technology
- **Optimizing the Surface Integrity of Gears: Combined Effects of Peening and Superfinishing Processes**
Gilberto Martins de Oliveira
Gomes, Aeronautics
Institute of Technology
- **Twenty Years of Pulsator Tests on Helicopter Gears**
Luca Bonaiti, Politecnico di Milano
Sergio Sartori, Leonardo Helicopters
- **Surface Hardening of Gears: Current State of the Art and Prospects**
Noah Kantor, Worcester Polytechnic Institute
- **Water Spray Quenching—A New Intensive Quenching Process for Case Hardening of Gears**
Volker Heuer, ALD Vacuum Technologies GmbH

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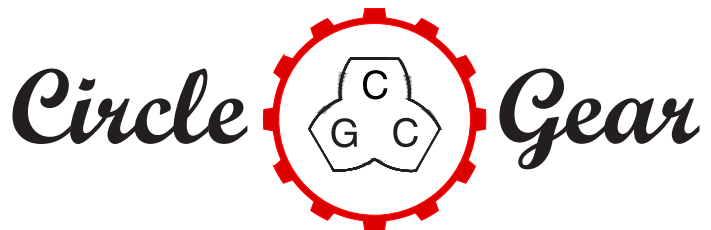
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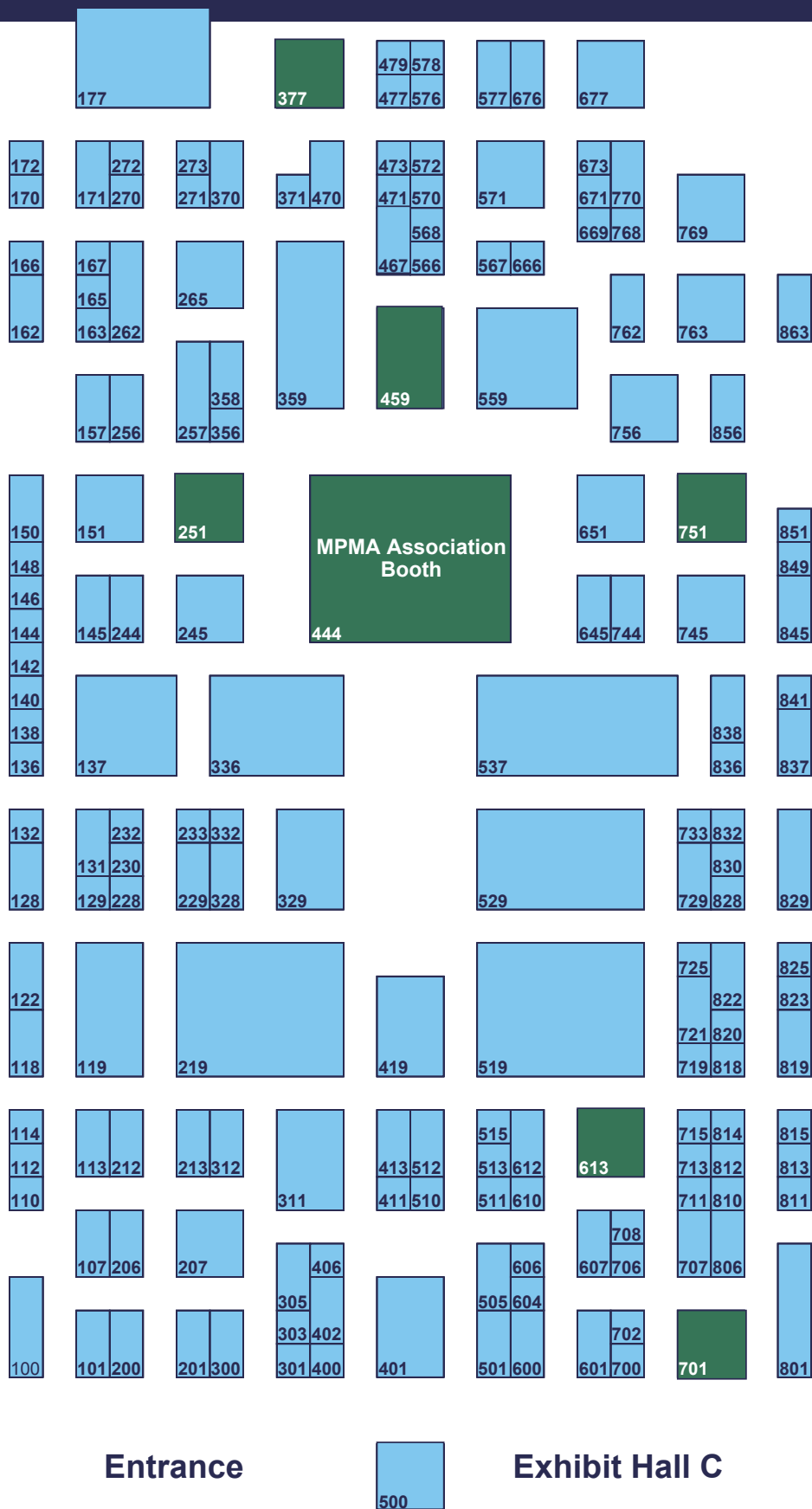
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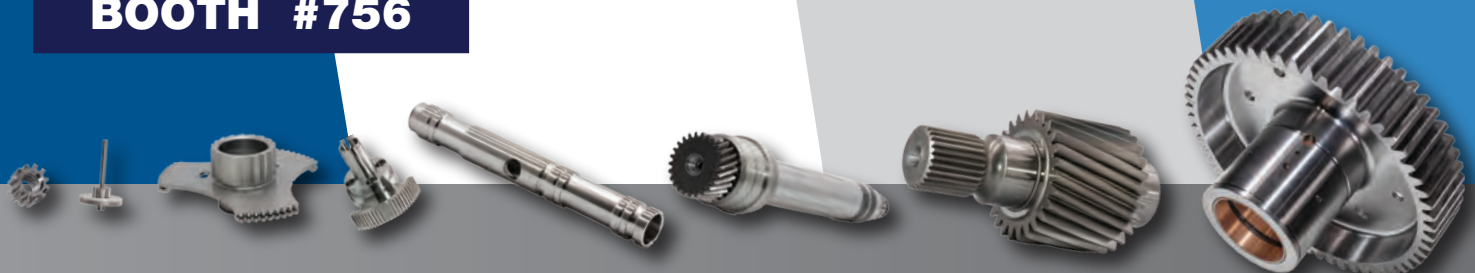


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4D Technology, an Onto Innovation subsidiary—Booth #140

4D Technology designs and manufactures optical surface gauges and surface roughness profilers for accurate 3D, non-contact, high-resolution measurement of precision surfaces. 4D's gauges measure in < 1 second with one-button operation, and can be used anywhere in the factory or lab—either handheld, combined with collaborative robots for high-volume automation, or in-situ applications.

Aalberts Surface Technologies—Booth #371

We provide complete heat treatment solutions for your gears including gas, ion, S-phase, or solution nitriding, ferritic nitrocarburizing (FNC), vacuum hardening, and more. Achieve low distortion, higher wear durability, and greater fatigue resistance.

Our Nitriding facilities are IATF 16949:2016 and AS9100/ISO 9001:2015 certified.

Aalberts surface technologies has 17 locations in the US with the resources for not just the right solutions, but the best ones.

Activation: Take a Brick Break—Booth #377

Take a pause from the show floor and give your brain a playful reset at our LEGO® tinkering station. Step into a colorful corner where you can build, tinker, and let your creativity wander—no rules, no pressure, just pure fun. It's the perfect way to recharge, spark fresh thinking, and return to the floor feeling refreshed and energized.

ADF Systems Ltd.—Booth #257



ADF is a major manufacturer of aqueous cleaning equipment. We will display several parts washer models and will have personnel available to discuss your cleaning requirements and recommend suitable equipment. For high volume requirements and automation projects, we can integrate robots into our washers. Whether large or small parts, we have a model in our line for your application, and

if not, we will custom build to meet your requirements. We offer "solutions to cleaning."

Advance Bronze, Inc.—Booth #165

Along with offering years of experience producing centrifugal castings in our on-site foundry in most castable bronze alloys, one of our biggest assets is that we can provide quick service and turn around for your requirements in the event of a breakdown. We have provided this special service, in specific instances, within hours of receiving an order. From supplying semi-finished machined bars to finished bearings and plates machined to close tolerances, in single units or production runs, Advance Bronze Inc is ready to meet your bronze requirements. Specializing in centrifugal castings our modern foundry and CNC turning/milling equipment gives us the ability to efficiently produce almost any size or shape economically and promptly. Orders are produced to your exact and individual requirements and specifications.

AFK Foundry—Booth #100

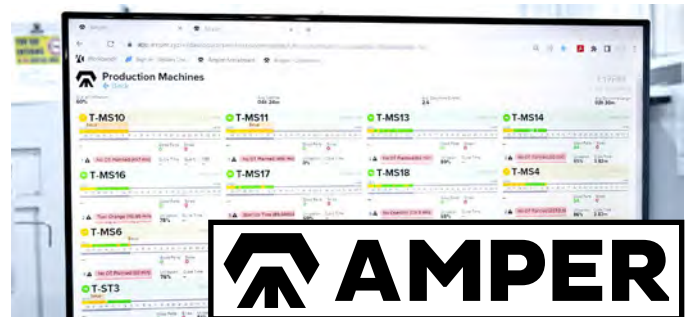


AFK Foundry (Ripon, Wisconsin) specializes in grey and ductile iron sand castings for high demand mechanical power transmission, construction, agricultural, pump, and valve applications. Machining, paint and assembly are available, as well. AFK is ready to solve your iron casting challenge!

Two 16"x20" flask automatic molding lines produce castings to 40 lb. Cope/drag molding with flask sizes up to 30"x32" and 28"x38" offers casting production to 250+ lb. AFK will expand these capabilities with 20"x24" matchplate molding planned for Q3 2026.

More important than equipment and capacity is AFK's commitment to customer service. Let AFK support your team today!

Amper Technologies—Booth #610



Whether you run a small shop or manage an entire manufacturing plant, Amper is the only production management solution that gives you the roadmap to connect your people, processes and assets in one place. Get the tools you need quickly and easily—no complex integrations or learning curves. With our deep manufacturing expertise and library of resources, we will guide you on your journey to success, helping you get real-time visibility into every corner of your shop floor—without overwhelming you with thousands of data points. Because running your shop shouldn't be so damn hard.

ANCA CNC Machines—Booth #265



ANCA is a world leader in CNC grinding machines, offering complete solutions for precision cutting tool manufacturing. The GCX Linear, enhanced with In-Process Measurement, delivers unmatched accuracy for skiving cutters with closed-loop software and onboard analog probing. The SBG Linear is the trusted choice for stick blade tooling, while the TX7 Linear leads the industry in tool and cutter grinding. With in-house design and manufacturing of CNC controls, spindles, servo drives, and mechanical components, ANCA delivers ingenious, fully integrated solutions supported by advanced, user-friendly software for high-quality, reliable, and efficient tool production.

Ancon Gear & Instrument Corporation—Booth #301

Highest Quality Manufactured Precision Gears!

Ancon Gear is a second generation family owned manufacturing facility. We supply some of the world's top companies with precision gears and machined products. We use the most modern manufacturing techniques and equipment available, such as cellular manufacturing and CNC hobbing/shaping, to ensure the highest quality product leaves our facility. Ancon Gear is an ISO9001/AS9100 registered company. If you have any questions or special manufacturing needs, please do not hesitate to call or email us.

Arobotech Systems—Booth #272

Arobotech Systems, Inc. was founded by Richard J. Lessway in 1982 in response to the need for improvement in workholding technology. From the beginning we have been dedicated to supplying simple, precise true-centering devices. The products we've developed have been awarded a number of patents with others applied for and pending. Our dedication to research and development results in continuous product improvement and innovative new technology.

Arobotech Systems Grinding Auto Rest®, Turning Auto Rest®, True-Grip® and Para-Grip® offer unique solutions

to positioning cylindrical parts for grinding, turning and general workholding. The sliding wedge design gives all of these products strength and rigidity for extraordinary accuracy and reliability.

Atlantic Sintered—Booth #707

Atlantic Sintered—The Powdered Metal Gear Specialists

Atlantic Sintered is a leading producer of precision powdered metal gearing and multi-level structural components. Combining advanced gear engineering with proprietary secondary operations, Atlantic Sintered offers precision powdered metal gears to meet demanding applications. Our process allows the customer to achieve original design tolerances, improved dimensional accuracy and reduced wear and noise characteristics while maintaining a cost advantage. We can produce AGMA class Q9 quality gears with our process.

Aurevex Technology Thailand—Booth #163

Aurevex Technology Thailand is part of the Landai Tech Group, established in May 1996, listed on the Shenzhen Stock Exchange in June 2015; main business: R&D, production and sales of transmission gear, shaft products, touch screen and touch display integration related products.

B&D Industrial—Booth #148

B&D Industrial specializes in producing high-quality, precision-crafted gears and racks for OEM manufacturing partners and industrial applications. Whether you need gears for heavy machinery, conveyor systems, or racks for motion control, we deliver reliable solutions designed for durability and performance.

Bevel Gears India Pvt. Ltd.—Booth #607



Bevel Gears (India) – The Bevel Gear Specialists!

With 49 years of experience, BGI uses the latest CNC bevel gear technology including CNC Phoenix and Oerlikon grinders or 5-axis milling options for the entire range of bevel: ground or lapped spirals, straight bevels, zerols, angular bevels, hypoids and curvics. Uniquely, we offer high ratio hypoids (HRH®) and CNC straight bevel grinding.

BGI also offers standard and custom bevel gearboxes.

Manufactured to DIN and AGMA standards using the Gleason or Klingelnberg system, customers are invited to leverage our capabilities to develop the gearing solutions they need for demanding applications.

Services:

- Spiral Bevel
 - Ground: 0.8–28 in.
 - Lapped: 0.4–64 in.
 - Hard Cut: Up to 64 in.



- Straight Bevel
 - Cut: 0.4–75 in.
 - Ground: 0.4–8 in.
- Skew / Helical Bevel: 2–40 in.
- Angular bevels & zerol gears
- Curvic couplings
- High Ratio Hypoids
- Cube Gear Boxes
- Reverse engineering

Blaser Swissslube—Booth #729



Blaser Swissslube metalworking fluids are a small investment with measurable ROI. Too often seen as a simple commodity, metalworking fluids actually have a direct impact on CNC performance, machine maintenance, and even employee satisfaction. Backed by a team of application experts from a wide range

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of industries, Blaser Swissslube helps manufacturers unlock the full potential of their equipment, extend tool life, and minimize secondary finishing operations. Visit us at Booth #729 to discover what the right cutting fluid can do for you.

Brelie Gear Co.—Booth #406



Brelie Gear is a full-service gear manufacturer, specializing in fine and medium pitch spur and helical gears, worms, worm gears, and worm shafts. We offer gear crowning and carbide re-hobbing to improve gear quality and reduce gear-box noise. Our components are produced using state of the art Koeper and Mitsubishi hobbing equipment. In addition to our gearing capabilities, we have complete in-house turning and machining capabilities for making blanks as well as any other machining needs you may have. Please give us a call to discuss your gearing and machining requirements.

Broach Masters/Universal Gear Co.—Booth #501

The quality and precision of our broaches and gears have won customers worldwide—from the smallest gear shop to NASA and the Mars Rover to the F35.

Precision manufacturing, modern equipment, and advanced technology, balanced with talented craftsmanship, means you get nothing but the very best in quality, efficiency and performance.

The Broach Masters has the ability to manufacture and repair tooling while running prototype and production parts. This gives you a distinct advantage over your competition. We do what others can't.

Broach Masters and Universal Gear are a complete source for all your tooling and production needs. We will supply you with the highest quality products and services that you and your customers expect.

Broaching Machine Specialties—Booth #511



Incorporated in 1946, Broaching Machine Specialties Company (BMS) offers customized broaching solutions for nearly any broaching requirement. Products and services

include turnkey broaching systems, broach cutting tools, production broaching services, spare parts and in field service. Our products have been shipped to satisfied customers around the globe.

BMS manufactures new broaching machines including the "Dual Drive" Electro-Mechanical Table Up machine, New large capacity single and dual ram broaching machines with electro-mechanical and hydraulic drives, the "Cruiser" single ram high speed vertical machine, and horizontal machines.



BMS maintains the "World's Largest Inventory" of pre-owned broaching machines with Over 300 broaching machines and sharpeners in stock. These machines are offered Reconditioned or Completely Remanufactured to new machine specifications. All new and used machines are available as turnkey systems including all required engineering, tooling and SPC run-off.

Canton Drop Forge—Booth #201

Canton Drop Forge specializes in closed die forgings from ten-inch OD to 47-in. OD in carbon and alloy steels. We have many power steam hammers that range up to 50,000 pounds, complete heat treat facilities, inspection department, laboratory and modern CNC-equipped die shop.

CDF is ISO Certified.

CGI, Inc.—Booth #311

Since 1967, CGI has consistently been providing customers exceptional craftsmanship and outstanding customer service. Known as a world class gear and precision component manufacturer, CGI also offers design and manufacturing of motion control subassemblies. Our team of highly skilled and diverse professionals will take your product from design through assembly. The USA based manufacturing facility is fully certified to ISO 9001, ISO 13485, and AS 9100 quality standards.

Chun Yeh Gear Co., Ltd.—Booth #768

Chun Yeh Gear (CYG) is expert with gear manufacturing experience of over 40 years that aims to provide customers with the highest quality products. CYG specializes in worms/worm gears, gearboxes, and other related mechanical parts. We do the hobbing process, thread cutting process, and thread grinding process in house.

Manufacturing capabilities range is as below:

- Worm
Module: 10
Outside Diameter: 400 mm
Length: 750 mm
- Worm Gear
Module: 7
Outside Diameter: 600 mm
- Gear
Module: 7
Outside Diameter: 600 mm

Circle Gear and Machine Company—Booth #744

Circle Gear is a leader in quality custom gearing, specializing in small to medium lot production. We are one of the only companies in the country that will reverse engineer and manufacture spiral bevel gear sets. Circle Gear services include: bevel gears (straight & spiral up to 36" diameter), spur gears, helical gears, herringbones (up to 60" diameter), internals, racks, sprockets, worm and worm gears, to all other types of power transmission products. Circle provides servicing on splines (involute & straight-sided, internal & external). We offer reverse engineering as well as breakdown services on many products. Circle Gear currently resides in a 125,000 sq. ft. full-service production facility. We also house a full-service gearbox rebuild division, QRS, Quality Reducer Service. QRS specializes in rebuilds of all major brands of gear reducers as well as manufacturing of custom designed units.

CJ Forge—Booth #600

Clifford-Jacobs is a leader in high-quality short-to-medium custom forging runs. Our forgings are produced from Timken® quality steels. Clifford-Jacobs' expert staff and CNC equipped die shop ensures quality workmanship on even the most complex designs. We are centrally located between Chicago, St. Louis, and Indianapolis—providing us access to three of the nation's largest shipping hubs so we can deliver your orders on-time. In fact, Clifford-Jacobs is routinely recognized as a #1 quality supplier for manufacturers of off-highway, mining, forestry, oilfield, rail, and aerospace products. Call us today, 217.352.5172.

Columbia Gear Corporation—Booth #719

Columbia Gear Corporation is a premier supplier of custom gearing and power transmission products including precision spur and helical gears, splined gears and shafts and

complete gearboxes. We are continually adapting to today's customer needs. We continually analyze manufacturing processes, build upon proven design solutions, streamline production and assembly schedules—always taking ground gearing quality to higher levels. Conveniently located in Central Minnesota, our facility encompasses 235,000 sq. ft.

Continental Diamond Tool—Booth #769

Expect the Best from CDT and Krebs & Riedel

For over 50 years, Continental Diamond Tool has been a leader in custom-engineered superabrasive grinding and diamond dressing solutions, with expertise in plated, resin, metal, and vitrified bond diamond and CBN wheels and diamond rotary dressers. Our vitrified CBN products deliver exceptional performance in demanding industries, such as automotive, aerospace, and power generation. CDT is also the exclusive North American source for Krebs & Riedel abrasive products in the USA, Canada, and Mexico. With more than a century of experience, Krebs & Riedel specializes in high-quality conventional abrasive vitrified and resin bond wheels for cylindrical, centerless, surface, roll, tool, and gear grinding. CDT stocks these wheels in our 200,000 sq. ft. manufacturing center, providing local inventory and responsive service. With state-of-the-art Burri PM 550 T profiling, we help manufacturers achieve tighter tolerances, longer wheel life, and superior results in gear grinding operations.

To learn more visit

CDTUSA.net

Croix Gear Headshot Lounge—Booth #613

Get your professional photo taken here!

Sponsored by Croix Gear.

From agriculture to warehouse automation, OEMs around the country rely on Croix Gear to keep their assembly lines running at maximum efficiency. Our manufacturing facility is outfitted with a vast array of the latest in high-performance machining, gear cutting, and inspection equipment, and our quality management system is certified to ISO 9001:2015.

CUMI America Inc.—Booth #838



With over 70 years of materials science expertise, Carborundum Universal Limited (CUMI) is a global leader in bonded and coated abrasives.

Trusted in 40+ countries, we deliver high-performance solutions to industries including automotive, aerospace, power, oil & gas, steel, construction, and fabrication.

Our precision-engineered ceramic grinding wheels for profile and generative grinding provide exceptional profile and lead accuracy with superior surface finish. Time-tested, they ensure seamless performance across leading gear grinding machines, including Reishauer, Liebherr, Gleason, Kapp Niles and Burri.

Through CUMI America Inc., we look forward to bringing these world-class solutions closer to you at the Motion & Power Expo.

Join us and experience precision redefined firsthand.

Curtiss-Wright Surface Technologies—Booth #271

Curtiss-Wright Surface Technologies is a world leader in providing treatment solutions for critical components operating in many industries. We provide shot peening & super finishing services to highly loaded gears and shafts of all sizes in all industries.

Through a network of 65 facilities in North America, Europe, China & India we also provide services of laser peening, analytical services & engineered coatings which include thermal spray, dry film lubrication and parylene conformal.

Should your components require enhanced performance in metal fatigue, lubricity, corrosion, wear or operate in harsh environments, please visit us.

www.cwst.com

Delta Gear—Booth #402

Providing Aerospace and Automotive OEM and sub tier customers unparalleled gear manufacturing service and satisfaction for decades.

We Deliver.

- Prototype & Development
- Production & Spares
- Detail Gearing & Assemblies
- Testing
- Outstanding Program Management
- Spiral Bevel Gears
- Curvic Couplings
- Spur & Helical Gears .5" (12mm) to 31.5" (800mm) Dia, 40" (1016mm) in Length
- 13 CNC Gear Grinders to 30" dia.
- 5 CNC Gear Shapers to 30" dia.
- 9 CNC Gear Hobbers to 20" dia.
- 10 CNC Electronic Gear Inspection Machines: Spiral Bevel, Helical & Spur.
- 17 CNC High Precision Mills. Vertical & Horizontal 3, 4, & 5 Axis to 70"
- 8 CMM Inspection Machines
- Gearbox Housing Machining to 70" (1778mm)

- 16 CNC Lathes to 30"
- CNC Jig Grinding
- Robotic Gear Cells
- 132,000 Sq Ft, state of the art, manufacturing space.
- Gear Quality to AGMA 15—DIN 1
- ISO 17025 Certified Inspection Lab
- AS9100: 2009 Rev C & ISO 9001:2008 Certified
- NADCAP: Temper Etch & Magnetic Particle Inspection

www.delta-gear.com
www.deltaresearch.com
www.deltainspection.co

Design Services Unlimited Inc.—Booth #172

We look forward to meeting you!

DSU Manufacturing is a machine shop providing complete design, engineering, manufacturing, tooling, repair solutions, and close tolerance grinding. We have an extensive background in gear arbor fixturing, collet design, gear arbors, and re-design services, as well as chuck building and repair. Offering short-run production, as well as 3D printing, and in house black oxide.

Machining the future with precision engineering and innovation.

Contact us at 586-463-3225

Didimo Zanetti Spa—Booth #129

Since 1953, Didimo Zanetti has a consolidated experience in manufacturing straight and spiral bevel gears, spur gears, shafts and gear components. We serve the most demanding applications, such as agricultural, construction, commercial and military vehicles, and high performing racing cars. Our capabilities allow us to serve other fields and markets, such as wind turbines and off-highway special applications.

Digital Way, Inc.—Booth #841

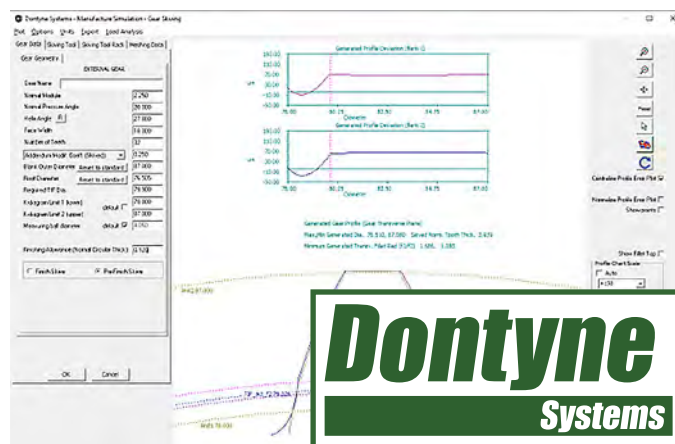


Optimize your gear machining processes.

Digital Way is a provider of real-time, in-process, tool condition monitoring (TCM), machine condition monitoring (MCM), and machine crash protection systems. Our products detect cutting-tool wear / breakage / chatter, tooling imbalance, and spindle / cross-slide damage. Our products are also used for adaptive control and metal-cutting process analysis / optimization.

When used in gear broaching, grinding, hobbing, honing, and skiving operations, our products can detect process problems such as, improper part clamping, part slippage, workholding runout, and undersize parts. Our products can verify that a grinding wheel has been properly dressed. Our products can help you to maximize tool life, while avoiding tool breakage.

Dontyne Systems Limited—Booth #213



Gear Production Suite Release 5.8.2 has improvements in design, analysis, and manufacturing modules. Loaded tooth contact analysis has been extended to hypoid design. Plunge shaving and internal profile grinding simulations have been added. The honing simulation now uses hobbing or skiving simulation as a pre-finish process to calculate the full profile. A new standalone installation called *DOMMS (Dontyne On Machine Measurement System)* is available to provide a gear measurement and evaluation system on various platforms. Measurement data is compatible with the *GPS* design and analysis tools. Join us at MPT Booth #213 to find out how *GPS* can reduce design time and improve production efficiency.

Doppler Gear Company—Booth #413

Doppler Gear has over 50 years of experience in custom gear manufacturing. Our four manufacturing facilities in the upper Mid-West United States serve the component needs of domestic and international corporations. Large organizations rely on us to provide competitively priced parts with uncompromised quality. Small companies and individuals look to us to support their projects with technical expertise and thousands of stocked standard tools.

From one piece to continual production, Doppler Gear specializes in unground commercial gearing, splines, and

broaching. Our equipment can produce a wide range of products. Depending on type and configuration, our capabilities range from 120 Diametral Pitch and 0.100" diameter to 3 Diametral Pitch and 20" in diameter, and from .25 module and 2.5mm to 8 module and 500mm. We also specialize in spline shafts and internal spline hubs and couplers. We welcome the opportunity to review your requirements!

DTR Corporation—Booth #300

DTR is one of the leading manufacturers of gear cutting tools worldwide, serving customers in over 20 countries. We were established in 1976, under the name of Dragon Precision Tools Co., Ltd, which was changed to DTR in 2008. We offer a wide variety of hobs, shaper cutters, milling cutters, master gears and broaches according to customer's demand. Also, we provide new design solutions per customer's application. Right now DTR is recognized worldwide for automobile transmission gear cutting tools which are also needed to produce the gears for all kind of industrial machines.

DVS Technology America—Booth #359

The DVS Technology Group is made up of Germany-based companies focusing on the turning, gear cutting, grinding and gear honing technologies. Besides engineering and manufacturing machine tools as well as grinding and honing tools, DVS operates two production sites where automotive parts are machined in series production exclusively on DVS machines. This adds a high degree of production know-how to the experience of the DVS machine tool and tooling manufacturers. With a unique combination of machining technologies, tooling innovation and production experience for the machining of vehicle powertrain components DVS is one of the leading system suppliers in the industry. The DVS Technology Group has more than 1,300 employees worldwide. In key markets like the United States DVS supports its clients with their own staff in service and sales. Our US company DVS Technology America, Inc. is based in Plymouth, Michigan.

See Our Ad on p. 2

ECM USA—Heat Treat Booth #1311

ECM USA provides innovative and low carbon emission furnace systems, advanced automation, services, and R&D testing in the Americas for the ECM Group. With experienced engineering and advanced manufacturing, our furnaces provide high up-time to demanding production environments all over the world. ECM's diverse systems are ideal for industrial and R&D/lab heat treating, including automotive (ask us about EV!), aerospace, crystal growth, photovoltaic, semiconductors, 3D additive & more.

We strive to reach every customer's environmental and production requirements using the latest vacuum furnace technology. Ask us about testing your parts at our in-house Synergy Center.

See Our Ad on p. 15

Dynamic Machine—Booth #328

With over 200 years of combined machine tool and manufacturing experience, we are uniquely qualified to both sell and service CNC machinery from single, stand-alone units to complex, multi-machine turn-key systems.

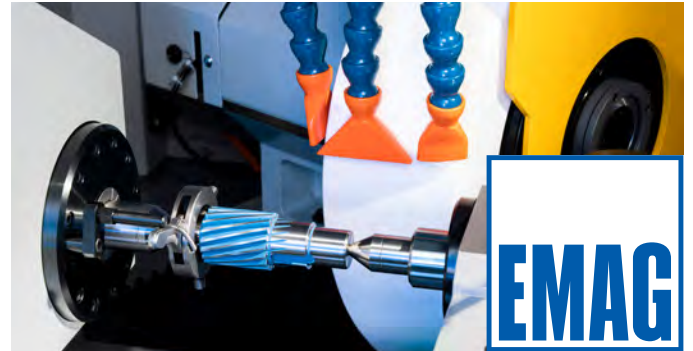
Elgeti Engineering GmbH—Booth #118

We are an independent engineering company with HQ in Germany and a branch in Indiana.

Our main services are:

- 3rd party failure analysis on gearboxes and transmissions
- Life testing of bearings and lubricants
- Design and production of test rigs for bearings, gearboxes and others

EMAG LLC—Booth #329



Optimal Manufacturing Solutions for Nearly Every Application

The EMAG Group is one of the few suppliers of manufacturing systems that cover the whole process chain, from soft to hard machining. Access to a wide range of technologies (turning, drilling, milling, gear cutting, grinding, laser welding, ECM deburring, PECM machining, induction hardening and automations) allows EMAG to implement complete process chains not only for the manufacture of gearbox, engine and chassis components but also of components for the non-automotive sector.

A company steeped in tradition with global headquarters in Salach, Germany, the EMAG Group capitalizes on the collective knowledge of its technology companies to offer modular and custom innovative manufacturing systems with world-class precision. Our North American plant is located in Farmington Hills, MI, providing sales, service, spare parts and training for customers in the United States, Canada and Mexico. See us in Booth #329!

See Our Ad on p. 11

Engineered Abrasives—Booth #305

Engineered Abrasives® located in Alsip, IL

Engineered Abrasives® specializes in the finest automated blast finishing and shot peening equipment designed for your specific application. Since 1935, Engineered Abra-

sives® has offered a range of custom shot peening machines to meet the requirements of all industries, from automotive to aerospace and medical to heavy equipment. Gears, turbine blades, shafts, connecting rods, engine blocks, and many other parts across various industries are shot peened with Engineered Abrasives®-manufactured machines every day.

Ernst Grob AG—Booth #763

Ernst Grob AG develops, designs and builds precision machines dedicated to the cold forming of splined and non-splined workpieces. The manufacture of slotting machines for secondary and finishing operations on cold formed workpieces is yet another core competence of the company.

- Cold forming machines for sheet metal and solid components
- Slotting machines for sheet metal components
- Subcontracting
- Engineering

Erwin Junker Machinery Inc.—Booth #370

The specialists at Junker and Zema develop and produce concepts and solutions for single or complete machining operations, from a single clamping process to complex production lines. All workpiece geometries and sizes can be ground on Junker Group grinding machines. The well-known variety of our standard machines is complemented by intelligent, customized solutions and versatile equipment options. As a complete supplier, the Junker Group supplies interlinked automation tools, application-based software developments, and the latest digital solutions.

ESGI Tools Private Limited—Booth #845



ESGI is a Precision Gear Cutting Tools manufacturing company since 1991, provides a comprehensive range of gear cutting tools to its customers with additional facilities of coating and re-sharpening. Here at ESGI, the utmost importance is given to the quality of the products, which lends an optimized performance and protracted life. The compa-

ny's prime focus is to look into the needs of entire mobility segments like automobile & non-automotive industry and therefore ESGI caters to all the mobility segments like two-wheelers, cars, commercial vehicles, railways, defence, tractors and non-mobility sector like agriculture & construction equipment, gearboxes for machines tools, windmills, shipping and Steel rolling industries. We have developed tools for most of the world's best companies in the defined segments.

Product Range:

- Gear Hobs
- ES-Cut Hobs
- ES-H Hobs
- Gear Shaper Cutters
- Milling Cutters: Rack, Worm & Form
- Hobs for Hacksaw Blades
- Shaving Cutters
- Master Gears
- Spline Rollers
- Rotary cutters

Estell Group LLC, The—Booth #100



The Estell Group supports the success of power transmission OEMs with engineered castings, precision machined components, assemblies & sub-assemblies from globally competitive sources in the U.S., Italy, India, & Vietnam. Key areas of focus:

- Machined & as-cast forgings, gray/ductile iron, ADI, steel & stainless steel castings:
 - Green sand molding to 300 lb.
 - Airset molding up to 25,000 lb.
 - Investment casting to 50 lb.
- Machined & as-cast aluminum & copper alloy castings:
 - Gravity permanent mold aluminum to 75 lb.
 - Permanent mold bronze components to 200 lb.
 - Copper alloy sand castings to 300 lb.
 - Sand cast aluminum (automated green sand & air set) to 500+ lb.
 - High pressure die cast aluminum, 400 to 1750 ton presses
- Fully machined bronze worm gear blanks, broached & ready to hob (30 mm center distance & up):
 - Solid bronze & bronze/iron/steel composites

- Specialty blanks for sector gears and other unique shapes

- A broad variety of machining capabilities supported by centuries of accumulated team experience and today's best technologies to produce gearing, racks, housings, shafts, fabrications and assemblies.

Two prominent companies represented by TEG at MPT 2025 include:

- Kupral SpA, Leno, Italy: Gravity permanent mold aluminum & copper alloys supporting power transmission, automotive, industrial & rail markets.
- AFK Foundry, Ripon, Wisconsin: Grey & ductile iron castings for power transmission, agricultural, machinery, pump & valve markets.

Supply chain management strategies, including long-term stocking agreements, are available. The Estell Group is committed to supporting high quality/high value strategies that assure your success in today's challenging markets.

Euro-Tech Corp.—Booth #708

Euro-Tech has provided high-end, custom solutions for demanding gear industry applications since 1993. We are the exclusive North American supplier of the Frenco and Mytec Hydraclamp product lines. Frenco is a globally recognized specialist in gear and spline metrology. Their INO spline gages provide a quick method of inspecting splines to ensure interchangeability of parts even between different manufacturers. Mytec Hydraclamp is the pioneer of seal-less hydraulic expansion technology. Their product line features hydraulic and mechanical arbors and chucks for balancing, grinding, inspection and gear production. Ask how we can help with your special application challenges.

Ever Sharp Tools—Booth #110

Ever Sharp Tools (EST-US) is the exclusive Sales and Service Center in North America for custom products manufactured by our parent organization, EST Tools Co. Ltd. We are proud to be one of the world's largest manufacturers of custom gear cutting tools and spline gauges. As spline experts, we provide custom-engineered, precision gear tools and spline inspection solutions. We manufacture custom spline & gear tools including broach tools, skives, hobs, shapers, spline racks & spline forming dies, thread racks & thread forming dies, spline milling cutters, as well as custom mills and drills. We also offer a full line of measuring devices including functional (Go/No-Go) gages, variable (indicating) measuring devices and precision master gears. EST provides complete spline solutions in a vertically integrated one-stop shop supplier. Our custom products meet the following spline standards; AGMA & ANSI (USA), DIN (Germany), JIS (Japan), and ISO (International). Please visit EST booth 110 to learn more about how we can apply our cost-saving solutions to meet your specific requirements.

FB&B Gear Machines—Booth #513

Supplying the gear industry for 40 years with new/re-manufactured, rebuilt, quality used gear machines.

We can provide the following services, Total turnkey (door-to-door):

- Arrange to have the machine inspected, and run off, packed/preserved, delivery C.I.F. your facility, (Door to Door). Installation and training at your facility
- FB&B buy / sell / trade / liquidate / auction
- All disciplines of gear machinery and services
- New, rebuilt, retrofitted, reconditioned, used
- Services new machines / remanufactured / services / machines

Our International Partner, *GEAR TESTERS INDIA*, provides Höfler gear testers, calibration re-certification, retrofit to windows, service, parts, & sales for Höfler, Wenzel, Peco, Klingelberg and more.

www.gear testers india.com

Fega Tool & Gage Co.—Booth #813

Fega Tool & Gage Co. has been in business since 1952 manufacturing tooling for a broad group of industries. Our specialties are spline gages, mandrels, and punches with both internal and external splines.

We are ISO 9001 certified and working towards ISO 17025 certification for summer of 2026.

Fega welcomes your inquiries at

sales@fegatool.com

Finkl Steel USA—Booth #830



Finkl Steel has over 100 years of innovation and progress

Finkl Steel® is the world's leading supplier of forging die steels, plastic mold steels, die casting tool steels and custom open-die forgings, processing over 200,000 tons of steel each year. Our products are manufactured at four production facilities in Chicago, Detroit, Houston and Quebec. With more than 100 patents, Finkl Steel® sets worldwide

standards including being the first steel manufacturer in America to receive ISO 9001 certification.

Flender Corporation—Booth #666

Why Flender? Flender Corporation is a leading global supplier of mechanical drive systems and has earned a reputation for the highest performance, innovation, quality, and reliability of mechanical components.

Flender offers a wide variety of gear units, couplings, and associated services focusing on critical industries such as wind power, cement, mining, iron/steel, power generation, and conveyor technology. Flender products and services combine the latest technology with extremely high quality and have been reliably providing the optimal transmission of power for more than 120 years.

Our vision consists of working closely with all our stakeholders, jointly shaping a sustainable future, and achieving optimum customer value.

Fluidyne Fluid Power—Booth #810

Fluidyne Fluid Power is located in Fraser, MI, and provides high quality new and remanufactured hydraulic pumps, motors and valves to the fluid power industry. We are known for our outstanding customer service and responsiveness.

With our large scale inventory, and streamlined shop, most of our products ship within one day. All of our products are always fully tested and a test report is enclosed with each shipment. All units have a warranty of 18 months. Fluidyne Fluid Power is an ISO 9001:2015 company and has 30+ year history of supply and service to the distributors, repair shops and OEM's using hydraulic components. Fluidyne can cross hydraulic pumps, valves and motors of various manufacturers such as Eaton, Vickers, Parker, Charlynn, Bosch, Rexroth, Racine, Oilgear and Veljan.

FOC Ciscato—Booth #706

FOC Ciscato Spa is the reliable partner for forged gear wheels and pinions.

Founded in 1879, it has a long experience in the production of closed die and open die forgings in carbon steel, low alloy steel, high strength steel, stainless steel, duplex, super duplex and nickel alloys.

Pieces can be open die forged up to 40 tons and closed die forged starting from 50 kg up to 2.5 tons. Those pieces are delivered to a variety of industries including power generation, railway and lifting equipment. Our expertise and high quality manufacturing means FOC Ciscato is known worldwide.

Foerster Instruments Inc.—Booth #828

Foerster-NDT Solutions for testing of Metal Components

Foerster, a leading manufacturer of nondestructive testing (NDT) equipment provides eddy current technology to detect material discontinuity and imperfections such as cracks, lam-

inations, pores etc. It also enables metal manufacturers to check for material mix-ups and heat treat conditions.

The products range from sophisticated integrated in-line material handling test systems to hand held testing instrumentation for the automotive component, aerospace, and metal manufacturing industry.

Forest City Gear Company—Booth #419



Celebrating 70 years in business this year, Forest City Gear is a third-generation family-owned precision gear manufacturer based in Roscoe, IL. Specializing in fine- and medium-pitch custom gears, Forest City Gear has become known for manufacturing and inspecting extremely precise parts for aerospace & defense, outer space, robotics, medical instruments, and more.

Forest City Gear is an avid member of the American Gear Manufacturers Association (AGMA), ITAR certified, and AS9100D/ISO 9001:2015, ISO 13485:2016, and Nadcap accredited for magnetic particle inspection (MPI) nondestructive testing. Across the main building and dedicated turning facility, Roscoe Works, Forest City Gear remains dedicated to investing in the best technology available. By constantly adding new forming and inspection machinery to their arsenal, Forest City Gear has become famous within the industry for manufacturing tiny gears at extremely tight tolerances.



Forest City Gear's high-precision capabilities extend to spurs, helicals, involute splines, sprockets, worms, worm gears, and more. These parts are relied upon worldwide—from telescopes to tractors, prosthetic limbs to aircraft landing gear, military vehicles to race cars, and power tools to dental drills. They're even employed in outer space: most notably upon the International Space Station and NASA's Mars exploration rovers. These gears, oftentimes small enough to fit on your fingertip, are trusted to withstand the harshest conditions and power systems for years.

All Forest City Gear projects fall under one of two value streams: Make Complete or Cut Teeth Only. Make Complete are custom jobs, processed from raw materials to finish. Forest City Gear engineers support customers from projects' infancy, consulting on design for manufacturability. By providing insight early on, Forest City Gear helps to design the part best suited to the customer's goals. Cut Teeth Only is operational work, in which customers provide specs and gear blanks, and Forest City Gear cuts the teeth. Thanks to Forest City Gear's state-of-the-art facilities, continuous investment in the best machinery, and an inventory of more than 7,000 hobs and 5,000 shaper cutters, Cut Teeth Only gears ship out in ten days or less.

Forest City Gear is trusted across the galaxy—literally—to manufacture and deliver parts that the most complex technologies rely upon. You can find Forest City Gear's brilliant Make Complete and Cut Teeth Only engineers at Booth #419, ready to discuss your project's unique design challenge. Cheers to gears and 70 years!

See Our Ad on the Cover and Back Cover

Formdrill USA—Booth #669

Replace weld nuts or inserts by "forming" your own insert!

Friction drilling by Formdrill USA is an easy and cost-effective application to join thin-walled materials and avoid costly weld nuts or inserts. Our drill bits are used to make a hole and create a bushing out of the parent material which increases the area available for tapping.

Visit our website for more information at

www.formdrill-usa.com

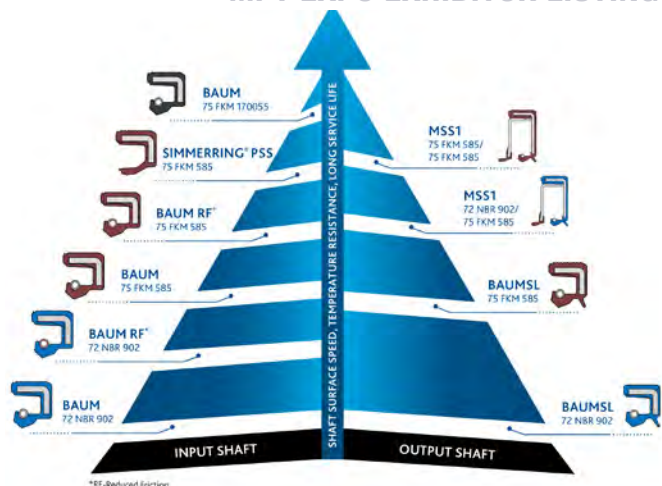
Fortech Products—Booth #851

Based in Brighton MI, USA, Fortech Products is an industry leader in the manufacturing, direct supply and management services globally of forming lubricants, metalworking fluids, industrial cleaners, lapping compounds, and rust preventives, as well as a low-VOC, water-based corrosion-resistant industrial and automotive coatings.

Freudenberg-Nok Sealing Technologies—Booth #510

FREUDENBERG-NOK
SEALING TECHNOLOGIES

MPT EXPO EXHIBITOR LISTINGS



At Freudenberg-NOK Sealing Technologies, we understand that gearbox sealing points face a wide range of operating conditions. From moderate environments to the most demanding applications with extreme loads, temperatures, and lifetime expectations, our comprehensive product portfolio offers the right solution for every requirement. Our Simmerring solutions are designed to match the specific technical and performance needs of your application. Whether you're looking for cost-efficiency or maximum durability, FNST delivers proven technology, engineering expertise, and application-specific innovation—ensuring reliable performance across the entire spectrum of gearbox designs. Have questions or want to explore our sealing solutions, meet our team at Booth #510.

FVA GmbH—Booth #230



FVA-Workbench: Leading transmission design software makes the latest drive technology research easy to apply—user-friendly, efficient, reliable.

FVA GmbH works hand-in-hand with top-level German research institutions and leading companies from the drive technology industry toward the practical application of knowledge gained from FVA research projects.

FVA-Workbench is a manufacturer-neutral software solution for the modeling, parameterization, and calculation of transmission systems. It bundles 50 years of research and development from the FVA expert network into a single platform and makes this accumulated knowledge directly available for practical application.

For more information, visit

www.fva-service.de

Galdabini Spa—Booth #144

Galdabini manufactures precision straightening machines, material testing machines and hydraulic presses. The company is composed of two corporate headquarters located in Italy and Switzerland. Galdabini provides state-of-the-art technology, crafted with the highest quality, by the most knowledgeable engineers in the industry.

Gasbarre Furnace Group—Heat Treat Booth #1146

Gasbarre Thermal Processing Systems designs, manufactures, and services atmosphere and vacuum furnace systems for a wide range of industries and processes. From engineering and manufacturing to commissioning and after-market support, our team delivers value and design flexibility backed by deep process knowledge. Gasbarre's technical expertise and customer focus ensure reliable solutions that support your success today and into the future.

See Our Ad on p. 7

Gear Motions/Autogear—Booth #745



Gear Motions is an employee-owned manufacturer providing complete precision gear solutions, including open gearing, shafts, and shaft gearing for a wide range of industries. With over 135 years of expertise, our skilled tradespeople deliver high-quality components with reliable lead times of 12 weeks or less. As part of our portfolio, AutoGear specializes in performance gearboxes for industrial/commercial and automotive applications. From inspiration to realization, Gear Motions is your full-spectrum partner dedicated to precision, performance, and customer success.

Gear Resource Technologies, Inc.—Booth #232

Gear Resource Technologies (GRT) has focused upon the precision workholding and tool mounting needs of gear

manufacturers, since 1997. We provide a highly responsive engineering and manufacturing resource, for the many specific needs of the industry. We serve over 100 N. American and overseas business, large and small, as well as providing runoff tooling to several well-known gear machine OEM's. Our engineers assemble and test all of our work at our Rochester, NY, manufacturing facility. We often model work before quoting, for customer review and comment.

Gear Solutions magazine—Booth #856

Gear Solutions offers its readers the latest, most valuable content on the multifaceted gear-manufacturing industry. Through editorial contributions from industry experts, the 12-issues-a-year print and digital magazine explores elements of the gear production process, including raw materials, design, costs, heat treating, quality control, workflow, and more.

Gear Technology magazine—Booth #444



Gear Technology, the Journal of Gear Manufacturing, is the flagship publication of the Motion + Power Manufacturers Alliance. Published since 1984, *Gear Technology* is also known as "The Gear Industry's Information Source." Every issue includes articles on gear design and gear manufacturing, along with regular coverage of topics like grinding, inspection, heat treating and more.

Stop by the MPMA booth to chat with an editor, check out the latest issue, and make sure your subscription is up to date!

Gibbs Machinery Company—Booth #601

Gibbs Machinery Company, Inc. is a machine tool dealer based in Warren, MI, USA. Competent in various types of metalworking machinery, we have served industrial markets across the world since 1946 while maintaining a strong domestic presence. We specialize in gear & production machinery, gear accessories & tooling, CNC machining, turning, and grinding.

We offer a full suite of industrial solutions to our customers including; machine sales from inventory, certified appraisals, auctions, liquidations, brokerage & commission sales, private treaty sales, machine reconditioning and warehousing. Come visit our Warren, MI, facility and view any of the hundreds of gear machines we have in stock.

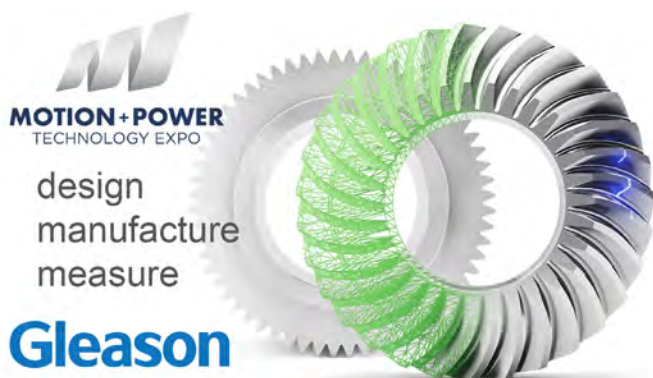
GKN Automotive—Booth #576



GKN Automotive is the global leader in drive systems and trusted partner to 90% of the world's global automotive companies. It specialises in market-leading propulsion agnostic drive system technologies, from sideshafts to advanced torque management systems and devices, with core capabilities in systems integration. The business has a clear purpose to 'drive a cleaner, more sustainable world' and is committed to leading the transition to net zero whilst delivering ambitious sustainability goals related to its people, its approach to responsible sourcing and the impact it has on local communities around the world.

GKN Automotive is at the forefront of innovation, with origins dating back to 1759. Today, it operates in 21 countries employing around 24,000 people across its core business and joint ventures and is part of Dowlais Group plc, a specialist engineering group focused on the automotive sector.

Gleason Corporation—Booth #529



Gleason offers its customers "total gear solutions" including latest design, manufacturing and metrology solutions, optimizing precision, efficiency and overall quality in a Smart Loop System.

Highlights at MPT include 100C Bevel Gear Cutting Machine for the manufacture of small robotic and similar parts and 300GMSP nano for sub-micron gear inspection. At MPT, Gleason also hosts its Intra brand for the first time, promoting new SFTX Single Flank Gear Tester with twin spindle and integrated gear noise analysis, as well as special gear services to the aerospace and defense industries.

See Our Ad on Back Cover

GMTA - German Machine Tools of America—Booth #470

Tooling & Production Systems for Gear Manufacturing.

GMTA = Your SINGLE SOURCE FOR:

- One-and-only scudding (skiving) machine from Profilor GmbH
- CNC cylindrical grinding solutions OD/ID from MAR srl
- Horizontal & vertical turning machines for hard turning

MPT EXPO EXHIBITOR LISTINGS

- Gear generating grinding from Toyo Advanced Technologies
- Horizontal & vertical hobbing solutions from Seiwa G-Tec
- Broaching and rack rolling solutions from Ekin
- Laser welding machines made by Arnold Ravensburg
- Multi-spindle horizontal machining centers made by Samag
- The "super-clean" industrial washing systems from BvL
- Cutting tools & abrasives for gear production

www.gmtamerica.com

Great Taiwan Gear Ltd.—Booth #725

Great Taiwan Gear has an experienced team and modern equipment capable of handling orders for prototype gears or orders for thousands of pieces. Great Taiwan Gear specializes in production of gears and gear related parts.

We produce gears for automotive hoists, precision gears, gear pumps, and other power transmissions systems. We also provide aerospace gear, EV gears and gearboxes. Listed below are just a few of the many items we offer.

- Aerospace/Medical treatment
- High-precision gear
- Gears and shafts
- EV transmission system gear set
- Automated integrated production

Growing Groves—Booth #515



Growing Groves helps motion and power transmission manufacturers build stronger teams by recruiting technical sales, engineering, and executive leaders.

With careers in mechanical engineering and international leadership roles, our recruiters know the industry inside out. Instead of scanning resumes for keywords, we translate engineering and business so hiring managers and candidates truly connect.

We also support owners in leveraging corporate partnerships or PE-backed exit strategies while quietly strengthening leadership teams ahead of a transition.

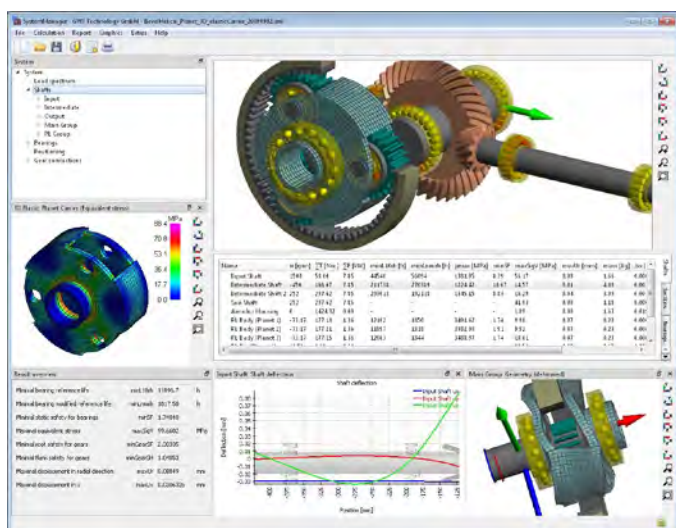
If you're hiring or planning ahead, we'd love to connect.

Be Human. Talk Tech.

Design – Optimization – Manufacturing – Made in Germany

Our scalable product portfolio covers a wide range of applications:

- **Standard software** for machine elements such as shafts, gears, bearings, involute splines, parallel keys, interference fits, and more
- **Web-based solution** *eAssistant* and **desktop application** *TBK*
- **Powerful 3D CAD integrations** for seamless design workflows
- **SystemManager** complete gearbox design as a true multi-shaft system

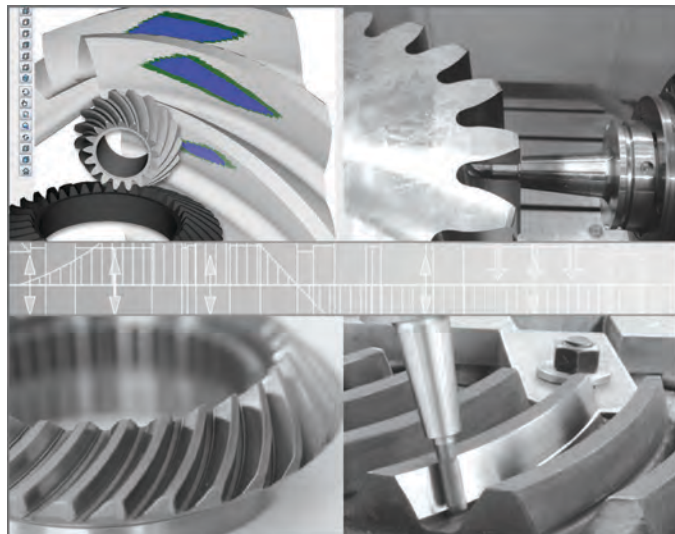


- **GearEngineer** advanced software for gear manufacturing via 5-axis milling, forging, molding, additive manufacturing, and more

- Save time with intelligent layout features, automatic recalculation, and convenient undo/redo functions

- Work efficiently with intuitive, user-friendly interfaces
- Accelerate development with perfect integration of calculation and 3D CAD
- Reduce costs through our comprehensive, cost-effective web solution
- Optimize gears according to the latest international standards
- Speed up product development with complete gearbox design capabilities
- Reuse gear data seamlessly from design to manufacturing to quality control
- Unlock new manufacturing possibilities, such as 5-axis milling, forging, molding, or additive manufacturing—based on accurate digital twins
- Expand your know-how with training and support from our highly experienced engineers

GearEngineer delivers precise, real 3D geometries for gear production on multi-axis CNC machining centers or via alternative manufacturing methods. The digital twin includes tolerances and microgeometry and is based on a mathematical simulation of the manufacturing process—fully analogous to traditional gear cutting methods.



With customers in over 45 countries across 6 continents, GWJ Technology is one of the global leaders in calculation software for mechanical engineering—especially for gears and gearboxes.

Founded in 1951 by Frida and Wilhelm Hainbuch, Hainbuch GMBH has a long history of innovation beginning with the

original quick change collet system, first patented in the USA in 1980. This invention has now been copied many times and is the de facto industry standard. Today, Hainbuch boasts over 150 patents worldwide and continues to revolutionize the field of precise, adaptable and quick change collet chucks and workholding.

Recently Hainbuch introduced the G-211, a mandrel specifically designed for low volume, high mix production of gears. It is similar to our conventional turning mandrels, except it has a longer taper, allowing customers to have clearance for either their hob or their grinding wheel. We offer sizes to accommodate clamping diameters ranging from 20 mm up to 120 mm, and it uses our standard off-the-shelf bushings and end stops. The mandrel is also designed to accommodate three separate end stop positions. These features combine to allow manufacturers to quickly tool up jobs and to easily reconfigure the set ups between jobs.

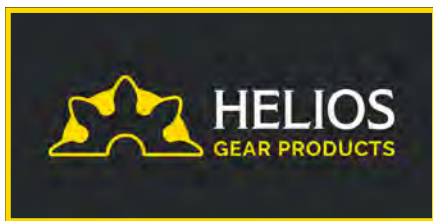
Hanel Manufacturing—Booth #814

Hanel Manufacturing is a U.S.-based precision machining company specializing in high-tolerance hydraulic components—including spools, cartridge valve bodies, and manifolds. With over 50 years of experience, Hanel supports OEMs and Tier 1 suppliers in mobile and industrial hydraulics with consistent quality, competitive lead times, and full traceability.

Located in New Berlin, Wisconsin, Hanel is investing in advanced Tsugami CNC technology and expanding its capacity to meet the reshoring demand across the fluid power industry. Whether it's prototyping or long-term production, we deliver reliability at scale.

Looking to strengthen your supply chain with domestic manufacturing? Visit our booth to learn how Hanel can support your next precision project.

Helios Gear Products—Booth #137



Helios Gear Products is the North American factory sales and technical support organization for global gear machine and tool manufacturers. Gear manufacturers work with Helios for industry-leading service and support backed by a dedicated team of engineers to ensure each application is profitably productive. Manufacturers in the automotive, aerospace, construction, energy, and medical markets rely on Helios manufacturing solutions every day.

As Helios grows beyond our Koeper America legacy and the 150-year reputation of Koeper machine tools, our customers are delighted with full access to expanding gear manufacturing capabilities. This includes Helios Hera gear

hobbing machines for parts under an inch to over 500 mm (19.685") diameter, Neo power skiving (NEOPS) machines, and pre-owned Koeper hobbing equipment. Our machines enable the profitable production of spur and helical gears, internal and external gears, splines, worms, straight bevels, rotors, long shafts, and more.

Lastly, Helios cutting tools and grinding tools enable the day-to-day success of manufacturers across the continent.

Hexagon Design & Engineering—Booth #578

Hexagon is a global leader in advanced engineering and manufacturing solutions, combining cutting-edge simulation, design, and optimisation technologies to drive innovation. Within Hexagon's portfolio, Romax is a world-class solution for drivetrain and transmission simulation, offering tools for gear, bearing, and electric drive system design. Engineers use Romax to analyse durability, noise, vibration, and efficiency, enabling faster prototyping and optimization for high-performance, reliable systems.

Complementing this is Adams, the industry-leading multibody dynamics simulation software, which focuses on system-level analysis. Adams allows users to simulate real-world motion, loads, and forces across mechanical systems, optimising designs for durability, safety, and performance.

Together, Romax and Adams integrate seamlessly into Hexagon's ecosystem of engineering solutions, combining component- and system-level insights to help businesses design smarter, innovate faster, and deliver sustainable outcomes.

HobSource Inc.—Booth #700



Custom cutting tools for cylindrical and bevel gears

Whether you hob, shape, skive, shave, broach or mill, Hob-Source delivers the quality tools and personal service you expect. Each and every tool is manufactured to exacting quality standards in ISO/QS facilities from the latest grades of high-speed steels and carbides using CAD/CAM technology and state-of-the-art CNC equipment. If you demand performance, reliability and dependability from your tools and vendors, we challenge you to stop our booth for more information. Your bottom line will be glad you did.

See Our Ad on p. 7

Hoffmann Filter Corporation—Booth #651

Hoffmann Filter Corporation manufactures a wide line of coolant filtration products, including our popular vacuum and suction band filters. We also offer a wide line of accessories to further customize your filter system to meet your exact needs.

Visit our website at

www.hoffmannfilter.com

**to learn more about how we can serve
you as "your partner in filtration."**

Hommel Etamic—Booth #815

As a leading manufacturer of metrology systems, Hommel Etamic offers a broad portfolio of measurement solutions for industrial manufacturing processes. Our technologies include pneumatic measurement, tactile or optical measurement of roughness, contour, form and dimensional features, as well as optical inspection of machined surfaces.

Hommel Etamic offers both standard and custom metrology solutions that are flexible and versatile for production in automotive, aerospace, medical technology and other precision manufacturing industries. Our custom systems are individually designed to precisely meet the customer's part specification requirements, degree of automation and process location to ensure the quality of the workpiece throughout the entire production process.

Horn USA, Inc.—Booth #113

At Horn Group, we pioneer innovative cutting tool technology to continuously improve manufacturing applications. We provide standard and custom engineered solutions for our customers. From idea to execution, our focus remains on achieving maximum quality, precision, accuracy, and repeatability with every tool, every time.

What Makes the Horn Group different?

Our Quality: Our tools embody precision, perfection, elegant and intelligent design that begins with our unmatched carbide grade and finishes with our unrivaled coating technology.

Our Product Range: 25,000+ Standards & 150,000+ Specials

Our Sales Engineers: Our field service team supports users face-to-face with unparalleled technical expertise to help you achieve the best results.

Our Global Synergy: Our global family has over 1,500 employees, we have manufacturing facilities in 5 countries and 51% of items sold are produced in the USA.

Hydra-Lock Corporation—Booth #645

Hydra-Lock Corporation has designed and built custom precision hydraulic work holding devices for over 72 years.

Our work holding products include all types of arbors, chucks, fixtures and part supports. We hold parts for gaging, assembly and machining. We build products for harsh environments: those exposed to the outdoors, EDM tanks, laser welding and an assortment of chemical exposures. We hold any array of shapes. We excel in holding thin-walled parts without distorting them. Our products hold on splines: major diameter, minor diameter or pitch diameter.

Hydra-Lock holds over 90 patents worldwide.

We service many industries: automotive, aerospace, defense, heavy equipment, energy, dental and medical.

We build special hydraulic tool holders. Our design uses a replaceable sleeve that allows us to service and repair our tool holders to extend their usable life cycle. We work with customers to design multi-purpose tool holders that can include milling cutters or multiple cartridges with the accuracy of hydraulic clamping.

If you have tried mechanical work holding and cannot achieve your desired goals let us propose a solution to your problem.

IM Gears Private Limited—Booth #820

IM Gears has been at the forefront of engineering for over 40 years. We specialize in delivering high-quality manufacturing solutions for global clients across automotive, aerospace, industrial, and hydraulic markets.

Imfapart USA Corp.—Booth #229

Imfapart is a family business, specializing in industrial filters and advanced lubrication systems, that has been dedicated to supply and maintenance in the oil and gas industry for more than 25 years. At Imfapart we strive for efficiency and make sure that all systems have the right product for their needs.

Index Technologies Inc.—Booth #473

Index Technologies Inc. was formed in 1999 to service gear manufacturers' hob sharpening needs. Since our humble beginning with one hob sharpener we have added seven hob sharpeners, four shaper sharpeners, conventional, skiving and a CNC inspection machine, enabling us to have the most rapid turnaround time in the industry: edge prepared, coated and ready for your gear cutting machine. We routinely surpass the specified quality tolerance of the tools we sharpen, and we guarantee our workmanship. Our customers' investment in gear tools is significant. We help our customers maintain that investment to meet or surpass your specified AGMA or DIN tolerance every time we sharpen a tool. We have sharpened thousands of hobs and shaper cutters in the last 20 years, so let our experience be to your advantage.

Industrial Machinery Digest—Booth #162

The extensive industrial machinery resource for manufacturing. Covering solution-based articles, new products, emerging market trends, automation solutions, white papers, profiles across the diversified manufacturing segments of job shops, machine shops, fabricating shops, production line manufacturing plants, large industrial facilities, including services for retrofit, rebuilding, and machine maintenance.

IPM, Inc.—Booth #358

International Precision Machining (IPM) is an AS9100D & ISO 9001:2015 certified, ITAR-registered contract manufacturer specializing in high-precision machined components. Located in Waite Park, Minnesota, IPM offers advanced capabilities in turning, milling, gear cutting, and gear grinding—utilizing modern CNC equipment to ensure exceptional quality and consistency.

Founded in 1992, IPM operates from a 32,000 sq. ft. facility and employs approximately 45 highly skilled machining technicians. We proudly serve a diverse range of industries, including aerospace, defense, off-highway, construction equipment, high-performance automotive, agriculture, fluid power, and more.

To meet growing demand for precision components, IPM continues to expand its gear grinding and inspection capabilities. Our commitment to consistent reinvestment in cutting-edge technology and advanced inspection systems underscores our unwavering dedication to quality, precision, and long-term customer satisfaction.

J. Schneeberger Corp.—Booth #577

Schneeberger, a company with over 100 years of history and based in Switzerland, has been a trusted partner to the gear industry worldwide. Leveraging its extensive range of CNC grinding machines, Schneeberger supports a wide variety of applications across different sizes.

From sharpening to the manufacturing of hobs, shaper cutters, skiving cutters, stick blades, and more, Schneeberger remains at the forefront of grinding technology. Its machines offer advanced features such as probing for pitch, lead, and rake angle, along with compliance to standard quality grades A, AA, and AAA. Comprehensive report generation after sharpening ensures quality and traceability, making Schneeberger a complete and reliable solution.

aries NGP—right size for the toolroom!

- Floor space as low as 39" x 65" & work envelope up to 12" diameter x 10" long

norma NGC—the workhorse!

- Floor space as low as 53" x 87" & work envelope up to 14" diameter x 24" long

gemini NGM—you name it!

- Floor space as low as 63" x 91" & work envelope up to 15" diameter x 15" long with more horsepower.

Kapp Niles—Booth #219

Kapp Niles is a globally operating group of companies with high-quality and economical solutions for finishing gears and profiles and is partner for companies from numerous industrial sectors in the mobility, automation and energy segments. The perfect interaction between machine, tool, technology and metrology enables extremely precise machining to a thousandth millimetre.

We will showcase our latest solutions — including the new U.S.-made diamond dressers — at MPT Expo 2025. Our dedicated team is looking forward to meeting you at booth 219. Visit us to learn more about innovations from Kapp Niles and our growing portfolio of precision grinding and measuring solutions.

See Our Ad on p. 4

KHK USA Inc.—Booth #170

Founded in 1935, Kohara Gear Industry Co., Ltd. is a leading manufacturer of gearing in Japan. Having been a company solely devoted to the manufacture of gears for 90 years, Kohara Gear Industry (KHK) is world-renowned for its KHK brand of gears. In 2005, KHK completely rebuilt its headquarters and factory location in Kawaguchi, Japan, to the latest earthquake standards. KHK's latest catalog, KHK 2025, contains approximately 200 styles of metric gearing in more than 27,000 configurations.

Throughout its 90-year history, KHK has remained strictly a manufacturer of gears and has offered its prod-

ucts for sale only via distribution. Beginning July 1st, 2015, KHK ventured into direct sales by creating KHK USA Inc., Based in Mineola, New York; this operation is a wholly owned subsidiary of Kohara Gear Industry. KHK USA is a factory direct, full-service distributor of KHK gears with a large selection of products available off-the-shelf and via frequent replenishment to meet your gearing needs. On-staff application engineers can assist you with selecting gears for your design, or they can produce custom gear quotations for you. KHK USA offers convenient web-based shopping, free 3D CAD models for download, a free print catalog, and the ability to download the entire catalog in PDF format.

Kohara Gear Industry is certified ISO 9001:2015 and ISO 14001:2015.

With the largest selection of standardized metric gears in North America, KHK USA's team of professionals looks forward to assisting you with your gearing needs.

Klingelnberg America—Booth #177

The Klingelnberg group is a world leader in the development, manufacture and sale of machines for bevel gear and cylindrical gear production, measuring centers for gearing and axially symmetrical components as well as customized high-precision gear components. The Company's products are used by customers in automotive, truck, aircraft, agriculture, construction, power tool and marine industries and by a diverse set of customers serving various industrial equipment markets.

The activities of the Klingelnberg Group, whose origins date from 1863, is managed today, in the seventh generation, by Jan Klingelnberg.

Kupral S.p.A.—Booth #100



Kupral S.p.A. (Leno, Italy) offers copper and aluminum alloy gravity permanent mold casting and CNC machining to sup-

port the most demanding customer requirements and new market opportunities.

Established in 1976 and serving North American markets for 25+ years, Kupral is well-positioned to manage projects through concept, design validation, value analysis and production supporting lowest total cost/highest total value solutions.

Producing millions of worm gear blanks annually, Kupral is also focused on automotive, truck, motorcycle, rail, agriculture, construction and mobility applications. From gearing to engine to transmission to pump and valve applications, Kupral offers value supporting your success.

Leistritz Advanced Technologies Corporation—Booth #837

Leistritz Production Technology proudly delivers a comprehensive range of cutting-edge machinery and high-precision components, meticulously designed to address the unique demands of the automotive, aerospace, energy, and medical industries. Our commitment to innovation and unwavering dedication to quality have solidified our reputation as the industry benchmark. Our precision products play a pivotal role in transforming manufacturing operations by optimizing production processes, significantly reducing downtime, increasing efficiency, and reducing costs. With a rich history of pioneering solutions, Leistritz offers custom machinery solutions that empower businesses to achieve levels of productivity and precision that set them apart in their respective fields. Leistritz is more than a supplier, we are your partner in metalwork precision success.

Liebherr Gear and Automation Technologies, Inc.—Booth #519

Liebherr Gear and Automation Technologies, Inc. offers a complete program of gear technology and automation solutions. Liebherr manufacturing machines include gear hobbing, shaping, skiving, chamfering, and gear grinding machines, as well as gear metrology solutions. These machines feature the LHGearTec control system, an intuitive interface that streamlines machine operation and efficiency. In addition, Liebherr manufactures gear cutting tools and clamping fixtures, to provide comprehensive application support in gear machining to the North American customer base. Liebherr automation systems offer a wide range of solutions that are cost-effective, user-friendly, high-quality, and offer the flexibility to expand retrospectively. As a system supplier, Liebherr makes use of our broad product portfolio consisting of gantries, robots cells, pallet handling systems, conveyor systems, 3-D vision software technology for random part picking, and innovative new technologies to design the best solution for our customer's automation needs.

See Our Ad on p. 5

Linqcase Industrial Solutions—Booth #146



Linq provides non-destructive electromagnetic inspection for hardening or grinding processes.

With Linq, reduce destructive inspections of your metal parts up to 80% and optimize the efficiency of your manufacturing processes.

Linq supplies equipment that:

- Reduces inspection costs.
- Increases productivity.
- Minimizes non-quality incidents and costs.
- Enables the implementation of new part types on demand.

Applications—heat treatment or grinding inspection of:

- Gears
- Pinions
- Ring gears
- Splined shafts
- Rackbars

Machine Tool Builders Inc.—Booth #119



Established in 1995 as a machine tool service organization, MTB is today renowned as the gear industry's leading source for a complete array of machine rebuilding, recontrols and service of all popular gear manufacturing machine makes and models. Most recently, MTB has added to its total product offering, with the addition of worldclass new machine brands for the complete production of fine and medium pitch cylindrical gears.

MPT EXPO EXHIBITOR LISTINGS

Since our inception MTB has been dedicated to providing top quality, highly reliable solutions to the machine tool industry. Machine Tool Builders, Inc. is an engineer owned company built on complete customer satisfaction. A unique mix of capabilities gives MTB a strong foundation for meeting your needs ... whether you're an OEM or a user of machine tools.

As a technology driven firm, the staff of MTB offers a wide array of experience in mechanical and electrical engineering, electronic controls, and software design. This knowledge is coupled with an eye for innovation and a genuine desire to provide the service you need when you need it.

Marposs—Booth #138

Marposs sets the standard for NVH (Noise, Vibration & Harshness) gear inspection, delivering the precision and speed manufacturers need for quiet, reliable transmissions. Our in-line systems combine Single Flank Transmission Error testing with high-speed NVH analysis to catch defects before they reach the customer. From detecting pitch, profile, and runout issues to pinpointing micro-defects at operational speeds, Marposs ensures every gear meets the strictest noise and vibration targets, on both drive and coast flanks. Smart statistical self-learning adapts to your production, setting optimal pass/fail thresholds and reducing false rejects. Whether for EV e-drives or traditional gearboxes, Marposs helps you achieve the perfect balance of performance, quality, and acoustic comfort, keeping your production flowing and your customers satisfied.

McInnes Rolled Rings—Booth #721

McInnes Rolled Rings specializes in seamless rolled rings from 4"–144" diameter and forged discs up to 70" diameter in carbon, alloy & stainless steel. Our AS9100 & ABS certified plant in Erie, PA, combines the latest in ring rolling technology with experienced people, resulting in the best value and the fastest deliveries in the industry.

mcinnesrolledrings.com

Meadville Forging Company—Booth #811

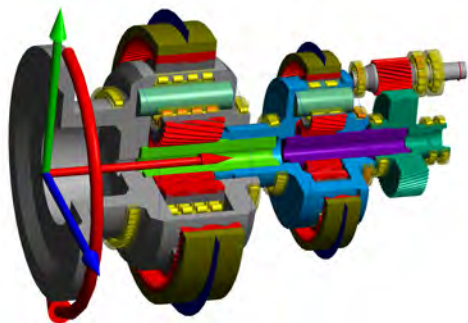
Forging & Machining Plants located in NW PA!

Producing high quality gear & shaft forgings for the automotive, heavy truck, and oil & gas industries. One stop shop for tool & die, forging, heat treating, & machining!

MESYS AG—Booth #568



MESYS offers software for mechanical engineering. The shaft system calculation is a fully coupled system calculation and supports following features:



- Shafts connected by bearings, cylindrical gears, bevel gears, worm gears, couplings or belts
- 3D-FEA based planet carriers and housings using STEP import
- Support for elastic bearing rings and elastic gear bodies
- Support for load spectra and parameter variations
- Gear strength calculation according to ISO 6336
- Bearing life calculations according to ISO 16281
- Shaft strength according to DIN 743
- Line load distribution for cylindrical gears and load distribution for bearings
- Natural frequencies and harmonic response on system level

MicroTek Finishing—Booth #112



High Precision Control of Surface Roughness

Our super-finishing process, MMP Technology® (Micro Machining Process), utilizes a unique physical-catalytic mechanical treatment of parts and selectively filters the surface roughness to achieve our customers' specific objectives (a 1.6 μm / 63 μin Ra or 0.254 μm / 1 μm Ra) while maintaining the parts' geometry.

The precision profiles of high-performance gears require extreme control of material removal during surface finishing. The process uses a unique roughness filtration method that provides unprecedented control and precision, ensuring exceptionally targeted material removal with incomparable homogeneity and reproducibility.

MPMA Association Booth—Booth #444

MOTION + POWER MANUFACTURERS ALLIANCE™

The Motion + Power Manufacturers Alliance was formed in May 2025 from the merger between the American Gear Manufacturers Association (AGMA) and the American Bearings Manufacturers Association (ABMA).

Welcome Home

We'd like to welcome everyone from the entire supply chain of the mechanical power transmission industry to visit Booth #444 to understand that even though our name has changed, we still offer all the comforts of home that you're accustomed to from AGMA and ABMA.

We encourage you to come visit with our staff to learn about all the incredible activities of the association, including great events like MPT Expo and the Fall Technical Meeting, our comprehensive offering of education courses (including in-plant training), our dedication to emerging technology, and our two publications, *Gear Technology* and *PTE*.

Last but not least, please stop by and meet our new mascot so you can help us pick out a name!

Nagel Precision Inc.—Booth #233

Excellence in honing, finishing & clamp bore face grinding.

- ECO 20: Vertical hone for up to 20 mm bore diameter
- ECO 40: Vertical hone for up to 40 mm bore diameter
- ECO 80: Vertical hone for up to 80 mm bore diameter
- ECO 120: Vertical hone for up to 120 mm bore diameter
- ECO 180: Vertical hone for up to 180 mm bore diameter
- TF4-20: Tape and stone superfinishing machine
- DM 50: Deep hole drilling machine up to 1/2" bore
- DM 75: Deep hole drilling machine up to 3/4" bore

Nagel SPV 150 clamp bore face grinders for gear face grinding, generates excellent bore to face perpendicularity and better alternative to double disk grinding.

BF Series inner and outer bearing race finishing machines.

Nanjing High Speed & Accurate Gear Group Co., Ltd.—Booth #411

NGC was founded in 1969. It has become the most competitive partner and comprehensive supplier for gearbox & drive technology solutions for wind energy, industrial, robot reducer and new energy vehicle transmission applications.

NGC provides products, technologies and services to the global market. During the past ten years, tremendous investment has been made in the fields of clean energy and high efficiency-low consumption applications. With its state-of-the-art technology, reliable quality and excellent service, NGC has become a competitive partner in the global drive technology market.

Napoleon Engineering Services—Booth #303



NES: Your One-Stop Shop for Engineered Bearing Products

As it relates to bearing services, one might consult an array of companies, or exhaust several different resources, depending on need.

You might turn to a large manufacturer for the bearing itself. You could confer with a company that exclusively focuses on inspection and testing for such projects. You could go to a nearby machine shop for a modification job.

But what if there was a company that provided all those services and more ... and did so with impeccable customer service, boasting a team of dedicated bearing engineers, technicians, quality personnel and machinists, answering the phone within two rings, and priding itself on beating established industry lead times?



Enter Napoleon Engineering Services.

NES, located in Olean, NY, is your one-stop shop for engineered bearing projects, specializing in custom bearing

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manufacturing (CBM), testing, inspection and modification services. Indeed, from its humble origins through the last 28 years of reinforced professional expertise, Napoleon Engineering has provided valuable products and services to an array of industries, including aerospace, agriculture, electric motor, space technology, automotive and heavy equipment.

NES focuses on small lot sizes with highly specialized requirements. In most cases, our customers need an optimal bearing design to work in a specific application. And NES, historically, has not only met that expectation, but exceeded it.

Our team of engineers is highly knowledgeable in the areas of bearing design and application engineering and understands all universal and internal manufacturing standards. As a result, our expansive CBM facility is structured to emphasize optimized bearing design to create maximum bearing performance.

Though its capabilities are many, NES has become a premier solution-provider for the aerospace and aviation industries. Stressing a fully comprehensive approach, NES offers the complete design, development and manufacturing of custom-made, high-precision aerospace ball and roller bearings. It also features reverse engineering expertise for FAA-PMA approval on aircraft bearings and First Article Inspections. More than that, NES boasts the largest independent bearing inspection and testing facility in North America, boasting over 100 testing platforms, superior condition analysis services and its renowned Source Qualification Inspection (SQI) program. This allows it to provide OEMs with leading technical information to make informed decisions about product quality, supplier quality and the technical development of bearing products.

NES utilizes unique materials and design, allowing for high fatigue life, corrosion resistance and temperature and environmental extremes. And all products are engineered and manufactured right here in the United States.

See Our Ad on p. 1

National Tube Supply—Booth #863



National Tube Supply is a leading distributor of carbon and alloy mechanical tubing to industrial customers across North America. Founded in 1990 south of Chicago, NTS has steadily grown its footprint and capabilities. The company now operates more than 450,000 square feet of warehouse space across six locations: University Park, IL; Hemet, CA; Baytown, TX; Beaver, WV; Millet, AB; and Mississauga, ON. In 2023, NTS acquired Commercial Fluid Power, adding three facilities focused on turnkey fluid power solutions in North Canton, OH; Dover, OH; and Rome, GA. Backed by Bianco Group, NTS ensures the right supply, right on time.

Nichiei Co. Ltd.—Booth #136

Nichiei Company is a micro-molder, specializing in all types of precision gears. We have designed and manufactured many JGMA Grade O/1 gears, including metal/plastic insert molded gears that maintain their tight co-axial tolerances. We work with all the engineering polymers as well as super high-performance plastics, and often make prototype parts prior to full-scale production. Nichiei understands the critical relationship between mold making and micro-molding, and therefore also designs and manufactures our own molds. This insures an integrated approach to meeting and exceeding customer expectations.

Nidec Machine Tool America, LLC—Booth #336

Nidec Machine Tool America Legendary Reliability

Manufacturer of a broad spectrum of machine tools including gear hobbing, shaping, shaving, honing, broaching and grinding machines.

[See Our Ad on p. 3](#)

Nordex, Inc.—Booth #823

Manufacturer of Precision Custom Made to Print Parts & Assemblies. Serving many Industries around the World.

Our specialty is gear cutting—quality gears, racks and pulleys for over 60 years. We are ISO 9001 & AS9100D registered, Nist compliant and ITAR registered. Many customers in the medical industry, robotics, defense, servo, printing just to name a few.

Many added value features and services allow us to give our customers a complete part or assembly.

Noritake USA—Booth #812

Noritake USA aims to be the best manufacturer of grinding and polishing tools.

Diamond, CBN, conventional, resin, and electroplated products play a major role in supporting industry leaders of global manufacturing. Aerospace, automotive, bearing, heavy machinery and medical facilities are exceeding their production demands due to Noritake's global engineering support coupled with our comprehensive range of engineered abrasives.

Norton Saint-Gobain—Booth #505

Norton, a brand of Saint-Gobain, is the world leader in abrasive products for industrial markets ranging from heavy stock removal in foundry, steel and metal fabrication to precision applications in aerospace, automotive and gear grinding. Our industrial abrasive products are engineered to give you the best performance for your specific application and are supported by an industry leading team of engineered field sales and application specialists whose job it is to bring users the optimum process solution with cost efficiency.

With more than 1,000 subsidiaries in 64 countries, Saint-Gobain is the world's largest manufacturer and distributor of building materials, and a leader in the production of high performance materials, glass and abrasives. Founded in 1665 and headquartered in Paris, Saint-Gobain has over 265 locations throughout North America.

Oelheld U.S., Inc.—Booth #206

Oelheld is a leader in innovative fluid technology and announces the availability of domestically manufactured DiaGrind 535 series. The multifunctional DiaGrind 535-15 is been used successfully on gear hobbing, gear grinding and even for gear shaping applications on machines like Reishauer, Gleason Pfauter, Klingelnberg and Hoefler among others.

Ask about our DiaGrind, SintoGrind and DiaMill lines for gear grinding and gear hobbing.

Human technology is not just a trademark at Oelheld—it is our guiding principle for a better future.

Omni Gear & Machine Corp.—Booth #122

Since 1988, starting out in a 500-square-foot space, Omni Gear has been committed to quality work, excellent service, and a quick turnaround time with competitive prices.

Today we serve customers across North America from our state-of-the-art 20,000-square-foot facility, yet we remain a small business with the same goals we had at the beginning: to provide our customers with incomparable service and to stand behind everything we make.

Overly Hautz Company—Booth #711

Overly Hautz Company is a leading designer and U.S. manufacturer of electric motor and gearbox mounting systems, serving the Power Transmission industry for over 90 years. Based near Cincinnati, OH, we offer the most complete line of fabricated metal bases, rails, platforms, and custom mounts available.

Our off-the-shelf solutions include pivoting mounts, shaft mounted gearbox bases, fixed and automatic tensioning styles—with options in stainless steel and galvanized finishes—ready for quick turnaround.

We also specialize in custom-engineered builds for gearboxes, designed to meet your exact specifications and conform to current AGMA standards.

Founded in 1934, Overly Hautz has evolved from a job shop into a leading Power Transmission manufacturer with multiple patents, in-house engineering, advanced fabrication capabilities, and a deep commitment to quality and service.

Let us support your next project with mounting solutions that move power forward.

PAI Manufacturing LLC—Booth #713

PAI takes a complete product approach that encompasses engineering, manufacturing, quality control, testing and assembly. We offer our customers scalable production solutions. PAI's recent investments in new technology, automation, new equipment and state of the art in-house heat treating now provides open production capacity and the opportunity to take on new customers.

At PAI Engineering, we push the boundaries of innovation to deliver cutting-edge solutions that drive our industry forward. With a commitment to precision, quality, and reliability, we specialize in designing and manufacturing high performance components tailored to meet the evolving demands of the market.

PAI Certified Quality never stops with the implementation of Lean concepts like 5S, Kaizen, SMED, WPO, we continue to make improvements by using new methodologies in our processes.

If your business needs a long standing, USA Manufacture with the ability and the resources to deliver OEM quality production, PAI Manufacturing may be the solution your business needs to succeed.

Patodia Forgings and Gears Ltd.—Booth #400

Patodia Forgings & Gears specializes in hot & cold forging products, along with high-end machining of components.

Segments we cater to include automotive (ICE & electric), farm equipment & earth movers, aerospace & railway, solar, power tools, heavy equipment, braking systems, etc.

We have a tool room department for manufacturing of die and tool using integrated machines. Best tools are the heart of any forging industries.

We have a facility of normalizing, stress relieving & phosphating in-house.

Our Machine Shop caters to all type of CNC operations:

1. CNC Turning
2. CNC Milling
3. Deep Hole Drilling
4. Broaching
5. Shaping
6. Hobbing
7. Shaving
8. Tooth Rounding & Chamfering

Our facility also boasts of a fully adequate heat treatment section along with metallurgical lab. Heat-treatment capabilities of case carbonizing, hardening & tempering.

Post heat treatment machining includes

1. Single pass Honing
2. ID Grinding.
3. Hard Turning.
4. Center less Grinding.
5. Cylindrical Grinding.

Thus the entire facility is Integrated to produce any Component, under one roof.

Penn Machine Company LLC—Booth #825

For over 120 years Penn Machine Company has established itself as a leading manufacturer of gears and power transmission components, serving industries that demand performance and durability. With advanced in-house capabilities, we specialize in complex machining and heat treatment processes.

- Manufactured in USA
- Can manufacture to OEM specifications
 - Max. turning diameter—50"
 - Max. shaft length—120"
 - Max. hobbing diameter—72"
 - Max. tooth grinding diameter—65"
 - Max. sprocket, worm gear & bevel gear tooth diameter—30"
- Reliable supply chain
- Flexible for small & large production runs
- Established brand known for consistent durability & reliability
- Highly capitalized—A member of Marmon Holdings, a division of the Berkshire Hathaway Group

Perfect Gears (Chennai) Pvt Ltd.—Booth #849

Since its inception in 1977, we at Perfect Gears constantly strive to improve and update ourselves in order to embrace the evolving techniques. We emphasize quality and customer service delivered in the most cost-effective manner. Our ability to manufacture gearing products which meet the latest industry standards and demanding customer requirements has paved the way for a diverse list of customers.

We are committed to continuous improvement, 100% customer satisfaction, and look forward to working with you to solve your demanding needs. We do believe we can start building a history with your company and include your name to our list of many satisfied, privileged customers, continuing to be the best source for all your gearing needs.

Philadelphia Gear, Power Systems by Timken—Booth #114

We now supply and service the complete industrial drivetrain

Drawing on a global pool of engineering expertise and technological advancements, our newest offering provides a comprehensive suite of industrial repair, upgrade and service solutions. When viewed as an integral part of your operations, these solutions can reduce downtime and your total cost of operation.

From electrical to gearbox to bearing repair solutions, trust our key brands under Timken Power Systems to help maximize your powertrain and rotating equipment's reliability and performance.

- Greater Reliability & Performance
- Advanced Technologies
- Aggregate Cost Savings Achieved with a Comprehensive Service Partner
- Comprehensive Repair, Upgrade and Service Solutions for Industrial Powertrains
- Engineering Expertise
- In-depth Knowledge Base
- Network of Regional Manufacturing and Service Centers

Piselli Enterprises Inc.—Booth #401



Piselli Enterprises Inc. – Excellence in Used & Rebuilt Gear Machinery

When it comes to high-precision industrial equipment, not all machines are created equal. Manufacturing operations demand reliability, accuracy, and durability—and when those qualities are combined with cost efficiency, the result is a winning formula. For decades, **Piselli Enterprises Inc. of Statesville, NC**, has been a trusted name in the field of **used and rebuilt gear machinery for over 30 years**, offering some of the finest equipment available to manufacturers across the United States and internationally.

Piselli Enterprises Inc. has built its reputation on more than just supplying machines. The company is deeply committed to **quality refurbishment, rigorous inspection, and customer satisfaction**, ensuring that every piece of ma-

chinery leaving its facility is capable of meeting the highest industry standards.

A Focus on Quality and Reliability

The rebuilding process goes far beyond basic cleaning or cosmetic upgrades. Piselli Enterprises' skilled technicians strip down machines where needed, repair or replace critical components, and re-test the unit to deliver the best machine possible & comparable to new equipment in some instances. Electrical systems, hydraulic lines, lubrication networks, and control panels are all tested and, if necessary, upgraded to meet modern safety and efficiency standards. The result is a piece of gear machinery that not only looks refreshed but also operates with the consistency and accuracy required in demanding production environments.

Wide Range of Gear Machinery Inventory

Piselli Enterprises Inc. specializes in supplying a broad inventory of used and rebuilt gear equipment. The company's offerings include, but are not limited to:

- **Gear Hobbing Machines**—Ideal for producing spur and helical gears with precision. Piselli Enterprise stocks models from leading global brands, rebuilt to exacting standards.
- **Gear Shapers**—Known for their ability to cut both internal and external gears, these machines are restored to deliver maximum versatility.
- **Gear Grinders**—For finishing gears to exact tolerances, rebuilt grinders ensure surface quality and accuracy are maintained at the highest level.
- **Gear Testers and Inspection Equipment**—To guarantee that production runs meet stringent quality control standards.
- **Specialized Support Machinery**—From lathes to milling machines, Piselli's range covers much of the ancillary equipment required to support a gear manufacturing operation.





This variety allows us to serve manufacturers in diverse industries out of our 100,000 sq foot warehouse, from automotive and aerospace to heavy equipment and general engineering.

Cost-Effective Investment

One of the greatest advantages of buying from Piselli is the **cost efficiency** it provides. New gear machinery often requires a substantial capital investment that not every manufacturer can justify. Rebuilt machines offer a way to access the same level of performance at a fraction of the cost.

By extending the lifecycle of top-tier machines from leading OEM's, Piselli Enterprises helps customers reduce

overhead while maintaining productivity. Each machine is backed by the company's reputation for excellence, ensuring that customers never have to compromise on quality while achieving meaningful savings.

Expertise Rooted in Statesville

Located in **Statesville, NC**, Piselli Enterprises operates in the beautiful south-east growth triangle. The company is able to serve clients throughout the United States and abroad. Statesville itself has a long history of industrial innovation, and Piselli Enterprise carries that spirit forward by combining traditional engineering skill with modern techniques.

Our team is well versed in servicing and repairing the older gear equipment as well. Several team members with well over 25-30 years' experience with Gleason, Pfauter, G&E, Fellows, Liebherr, Barber-Colman, Reishauer, Klingelnberg, and so many other manufactured machines, in the shop or in the field that give us the extra edge in finding a solution for your needs.

Building Long-Term Relationships

More than just a supplier, Piselli Enterprises sees itself as a **partner in manufacturing success**. The company works closely with customers to identify the right machines for their needs, often customizing its offerings to fit unique production goals or requirements. By listening carefully to customer requirements and standing behind the quality of its work, Piselli Enterprises has cultivated long-term relationships with clients who return again and again.

Looking Toward the Future

In a manufacturing landscape that is constantly evolving, the role of reliable gear machinery is more important than ever. By combining **engineering tradition with forward-thinking innovation**, Piselli Enterprises is not only preserving the value of proven machinery but also creating opportunities for manufacturers to grow and compete in global markets.

Our **"Give back Program"** donates back 2% of its qualified inventory sales from AGMA member companies, directly to the AGMA scholarship fund. This helps support students in our fields with the high costs of education. Our hope & goal is to keep young talented individuals to graduate and remain in our industry and give back as well down the road!

Come visit us in Booth #401 to learn more about our machines and service as well as our "give back program" and how you can help!

Podcast Studio—Booth #251

The MPT Expo Podcast Studio is back again and this time with the incredible influencer, writer, CNC expert, Podcast Host Tony Gunn, Director of Global Operations, MTD CNC. Live interviews will be held on the show floor throughout the three-day show and those who want to walk by and take a look are welcome to see the different industry leaders being interviewed. The Podcast will be shared out on multiple platforms and to hundreds of thousands of viewers and listeners.

**Power Transmission Engineering magazine—
Booth #444**



Power Transmission Engineering is the magazine of mechanical components, serving a wide audience of design and plant engineering professionals. *PTE* is the only B2B trade publication focusing exclusively on gears, bearings, gear drives, motors and other mechanical power transmission components, and our articles are aimed at both OEM design engineers and plant and maintenance professionals in the MRO sphere. So if your customers buy gears, they're probably reading *Power Transmission Engineering*. *PTE* is owned and published by the Motion + Power Manufacturers Alliance, and we'd love to have you stop by to learn more about what we do.

Power Transmission Group—Booth #107

Hy-Tech's Power Transmission Group, formerly known as Quality Gear, Blazman Gear, Gear Products and Jackson Gear, is a custom gear manufacturer located in Punxsutawney, PA, and a member of the American Gear Manufacturers Association (AGMA).

Our 52,000 square foot facility contains well over 200 CNC and manual machines used in production with extensive inventory of custom and specialized tooling. The quality verification lab ensures that all products meet exacting specifications dictated by the AGMA.

In addition to being a custom gear manufacturer, we can reverse engineer old gears or design new gears or gearboxes utilizing CMM, SolidWorks 3D and KISSsoft modeling software.

Pragati Transmission Pvt. Ltd.—Booth #801

PRAGATI TRANSMISSION PVT LTD is an ISO 9001:2015 certified company, a Bangalore based company is an Indian leading manufacturer of precision gears, gear shafts, worm gears, starter motor shafts, power tool components known for its best quality & performance of its components. We are specialized in producing gears for all sectors such as machine tools, power tools, hydraulic pumps & gearboxes, defence & aerospace, agriculture & surgical field, transmission gears, worm & worm wheel, bevel gears, sprockets and ratchets.

The Company is expert in producing gears up to

- DIN 6 level by skiving process.
- DIN 4 / AGMA 12 by gear grinding process.
- Fine pitch spur & helical gears up to 0.2 module.

- Fast, reliable high production of spiral bevel & hypoid gears quality of DIN 4
- Duplex worm gears & worm cutting & grinding at a single machine.
- Internal gears spur, helical quality up to DIN 7
- Spur & helical master gears up to DIN 4

For more details visit,

www.pragatigears.com

Preco, Inc.—Booth #702

Preco is a leading provider of processing services and manufactured systems for the metals industry, offering solutions for laser heat treating, welding, cladding and cutting. We can provide you with all of the resources needed to integrate laser processing into your manufacturing stream. With our proprietary laser and die cutting manufacturing capabilities, we've become one of the largest contract manufacturing service (CMS) providers in North America. The extensive design, testing, and manufacturing capabilities of Preco can help you answer today's challenges—enhancing product design, improving quality, lowering unit cost, and shortening lead times.

Profiroll Technologies USA, Inc.—Booth #151

The Profiroll business concept is strongly oriented on customers sophisticated technical requests for profiling rotationally symmetric parts using the most modern cold-forming technology, leading finally in a development of an efficient manufacturing with profile rolling.

The customer will be served with machines, handling and conveying systems, rolling dies as well as reliable processes from one source.

Additionally Profiroll carries out development until SOP-phase of a prospective serial production.

Profiroll is having a very successful history of innovations based on our experienced and competent engineers.

Quality Gears—Booth #132

Quality Gears specializes in custom gear solutions catering to a diverse array of applications. Our expertise encompasses a comprehensive range of gear cutting processes and associated support activities, ensuring the delivery of precisely tailored end products.

Our Capabilities include:

- Gear Hobbing
- Gear Shaping
- Thread Milling
- Gear Grinding
- Thread Grinding
- Surface and ID Grinding
- Turning and Machining solutions

Our product line comprises:

- Gears (Spur, Bevel, Helical)
- Sprockets
- Timing Belt Pulleys
- Worm and Wheel set
- Rack and Pinion set
- Gearbox & Gear sub-assemblies

Our trusted US representative:

Accurate Module LLC
28188 Golf Pointe Blvd,
Farmington Hills, MI 48331

Radiac Abrasives, a Tyrolit Group—Booth #128

Radiac is a leading manufacturer of Conventional Bonded and Superabrasive cutting wheels in North America. Since its founding in 1891, Radiac has delivered innovation and quality in grinding tools and service.

Headquartered in Oswego, IL, with manufacturing plants in Salem, IL; Marysville, WA; and Warren, MI; Radiac is the leading full-line producer of grinding wheels. Radiac offers precision-built products for high quality, performance, and repeatability for virtually every possible manufacturing application. Radiac's industry team approach combines sales and engineering expertise to determine the most cost-effective and expedient solution for your grinding needs.

RB Forgings Pvt. Ltd.—Booth #157

R.B. is a group of companies with manufacturing excellence in forging, machining, gear cutting and assemblies. Our product portfolio contains reliable and quality products for OEM and ancillary support. R.B. group has achieved voluminous growth and has plants in India and the United Kingdom. Group's first company, R.B. Forging was started in 1993 and through targeted investment keeping in view the interests of the customers, the company expanded and built another plant under the name R.B. Gears. The group has recently acquired a forging company in the U.K. under the name Shakespeare Forgings. R.B. Group caters to the needs of customers from diverse sectors like automotive, farm and tractors, containers and commercial vehicles and mining and railways.

RD Motion, d.o.o.—Booth #570

RD Motion offers dedicated gear and powertrain testing equipment, as well as gear design, consultancy and testing services. RD Motion is a world leader in the development and production of test benches dedicated for plastic gear transmissions. RD Motion's test benches are designed and manufactured with the highest quality standards providing reliable and highly accurate measurements.

The Company's internal testing facility offers a wide range of gear testing capabilities, along with that more than 100 standard testing procedures are available. Some of the most common testing procedures we conduct are: gear

durability testing, material characterization (S-N curves, wear, friction), NVH measurements, performance testing.

Company's highly skilled engineers work on a daily basis with customers from automotive, chemical, medical, aerospace, house appliances, power tools and robotics sectors, showcasing a wide range of experience and an in-deep knowledge on gear technology.

More information on RD Motion is available at:

rdmotion.com

Reishauer Corporation—Booth #537

As a leading worldwide supplier of CNC gear grinding machines for workpieces up to 1,000 mm in diameter, Reishauer employs approximately 700 engineers, technicians, and administrative staff dedicated to excellence in machine tool manufacturing, diamond or CBN tools, grinding wheels, and clamping fixtures.

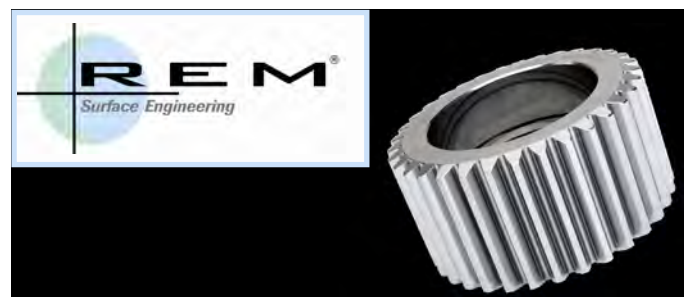
Our main manufacturing plant is located in Wallisellen, Switzerland with subsidiaries in China, England, France, Germany, Japan, Russia, and the United States. From our facility in Elgin, Illinois we provide pre-profiled grinding wheels, spare parts, diamond or CBN tools, clamping fixtures, and technical support for the NAFTA market.

See Our Ad on p. 17

Reliance Gear Corporation—Booth #832

Reliance Gear specializes in the manufacturing of custom precision gears and assemblies for a wide variety of industries, including defense, aerospace, agriculture, mining, marine, oil and gas, printing, construction, industrial and commercial markets. We leverage technology, expertise, and production versatility to offer flexible solutions and provide our customers with precision gearing that meets some of the toughest specifications, with fast turnaround and the highest level of customer service. Reliance Gear is a subsidiary of Ashot Ashkelon Industries, manufacturer of advanced systems and components for the international aerospace and defense industries.

REM Surface Engineering—Booth #356



REM Surface Engineering, inventor of the ISF® Process, is the world's leader in isotropic superfinishing. REM's ISF Technology is used in gearing applications in the aerospace, electric vehicles, and heavy-axle/off-highway indus-

tries to generate low Ra surfaces with isotropic textures and ultra-high bearing ratios, ideal for high load/speed gear applications. ISF Surfaces outperform essentially all other surfaces in contact fatigue, scuffing, extreme conditions, break-in, and efficiency testing. Contact REM to start your project today.

Renk Group, formerly Cincinnati Gearing Systems (CGS)—Booth #245

Renk Group is a recognized leader in precision component gear manufacturing and design engineering. More than just a gear manufacturer, Renk offers customers over 100 years of experience in producing high-quality, reliable, and cost-effective component gearing and gear units for a wide range of power transmission applications. Configurations include epicyclic gear units, multiple pinion gear units, parallel shaft designs, vertical and horizontal offsets, dual and single input, single & double helical, and hybrid designs. Renk has in-house full-service manufacturing, design engineering, testing, and heat-treating capabilities. Whether it is a clean-sheet design or a standard design, Renk is the single source to satisfy your specific gearbox requirements.

Riley Gear Corporation—Booth #145

Riley Gear manufactures custom gearboxes and precision ground spur and helical gears. Manufacturing capabilities range from 0.25 inches to 40 inches in diameter. Our precision ground gears can meet AGMA Class Q15 or DIN 2 specifications. Precision is our business. For more than 75 years Riley Gear has partnered with original equipment manufacturers worldwide to create custom solutions for a variety of industries including:

- Aerospace and Defense,
- Machine Tools
- Centrifugal and Turbo Compressors
- On Highway Automotive
- Off Highway Vehicles
- Marine Propulsion
- Alternative Energy and Power Generations
- Pumps,
- Transportation
- Robotics

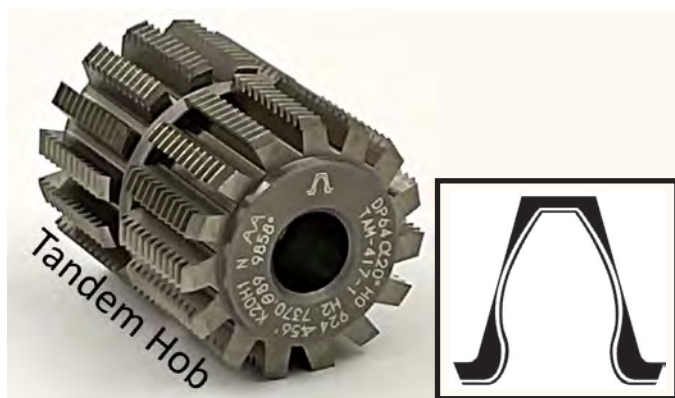
Our world class collaborative design and engineering services deliver prototype to production support for the most sophisticated of applications. Riley Gear is a registered TS 16949, AS9100, ISO 9001 and ISO 14001 manufacturing facility. With 100,000 square feet of manufacturing facility between Buffalo, NY, and St. Augustine, FL, Riley Gear is ready for your next project.

Rotec Tools Ltd.—Booth #762



At Motion+Power in Detroit, visitors to Rotec Tools stand 3522 will experience the debut of the Affolter AF140, the new benchmark in high-precision gear hobbing. Compact yet powerful, the AF140 is designed for machining small parts up to 40 mm with maximum versatility, combining the strengths of the AF90 and AF100 in a streamlined footprint. Attendees will see how its next-generation automation options, including a robotic arm for seamless loading and unloading, enable reliable 24/7 production. With cutting speeds up to 16,000 rpm and full digital integration, the AF140 sets a new standard for precision industries from watchmaking to aerospace.

Russell, Holbrook & Henderson—Booth #228



RHH specializes in precision fine pitch gear tooling for industries where accuracy, durability, and performance are critical. With a deep commitment to engineering excellence, we deliver high-quality hobs, shapers and ground gears tailored to meet the demanding requirements of aerospace, automotive, robotics, medical devices, and other high-precision applications.

What sets us apart is our ability to produce custom fine pitch hobs and shapers with exceptional accuracy, fast turnaround times, and a focus on long-term reliability. Whether you're building complex mechanical systems or developing next-generation devices, RHH is your trusted partner for precision gear solutions.

Precision Driven. Performance Guaranteed—Since 1915

S.L. Munson & Co.—Booth #312



SL Munson offers gear manufacturers abrasives and diamond dressing solutions needed to make gears. We share with our partners a relentless commitment to excellence. We offer more than just products—we deliver dressing and grinding solutions as a system supplier. From automotive to aerospace, off-road to sea, wind to rail, and everything in between; our team of experts is well-versed in the unique demands of each sector, ensuring you get a system that meets and exceeds your expectations.

Our global Gear partners are:

- Dr. Kaiser—Diamond Gear Dressing Products
- Sitab Abrasives—Conventional Gear Grinding Wheels

S.S. Tools—Booth #171

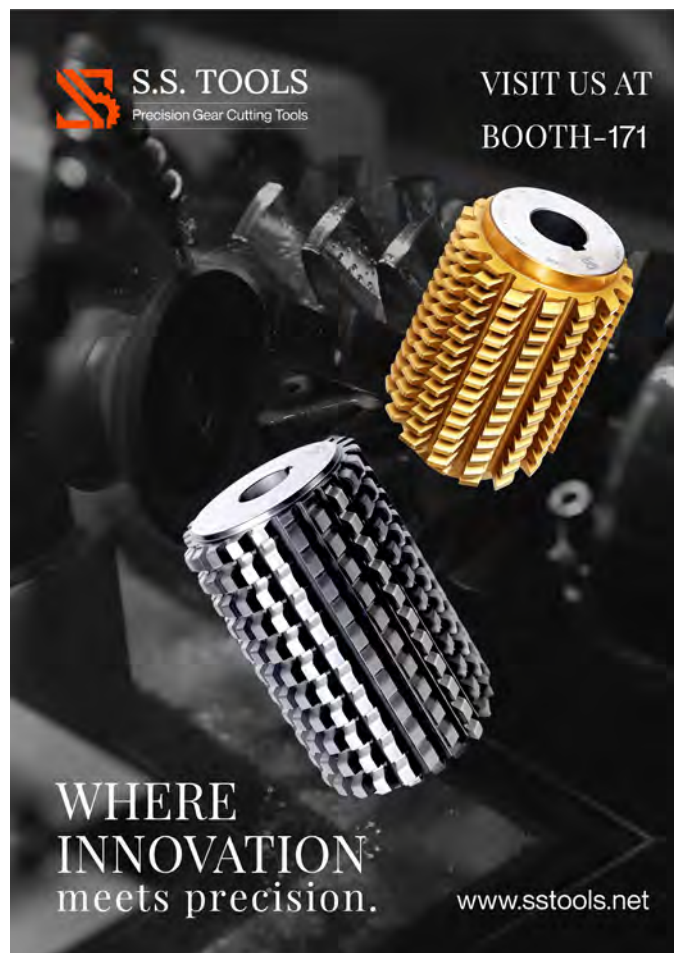


Discover the future of gear cutting tools with S.S. Tools at the Motion + Power Technology Expo—visit us at Booth #171!

As pioneers with decades of expertise, we bring unmatched precision, CNC-driven innovation and reliability to industries worldwide. Our refreshed brand represents

MPT EXPO EXHIBITOR LISTINGS

a new era of sharper, faster and more advanced gear manufacturing solutions. From gear hobs, shaper cutters, shaving cutters, power-skiving tools and master gears to regrinding and coatings—we deliver performance that powers automotive, aviation and diverse industrial gear applications.



Don't miss the chance to explore our innovations and discuss how S.S. Tools can accelerate your success.

Learn more:

www.sstools.net

Schafer Industries—Booth #756

Thank you for visiting us at the 2025 MPT Expo Booth 756.

When you need a gear or driveline solution, this is where you will get it.

Unlock precision and reliability with Schafer Industries. With three specialized divisions—Schafer Gear Works, Schafer Aerospace, and Schafer Driveline—we bring unmatched expertise, innovative designs, and top-tier manufacturing capabilities to meet your gear and driveline challenges.

See Our Ad on p. 25

Scot Forge—Booth #244



As an American manufacturer, Scot Forge has a 130+ year track record of success and is recognized as the industry leader in open-die and rolled-ring forging. As the premier provider of high-quality metal forging solutions, we have experts in your specific industry to help deliver the largest range of open die forging capabilities.

With experts on various AGMA committees, we understand your material specification requirements and can provide more reliable and accurate quotations, faster. Using our in-stock tooling, we can quickly manufacture near-net-shape forgings, torch-cut gear blanks and deliver a variety of other configurations to meet your needs.

Seco/Warwick Corporation—Booth #822

Seco/Warwick: The 1st Choice in Gear Heat Treatment Solutions

When precision, reliability, and productivity matter most in gear manufacturing, Seco/Warwick is the partner of choice. As a global leader in vacuum heat treatment technologies, we deliver advanced solutions that help manufacturers control distortion, scale production, and optimize throughput.

At the Motion + Power Technology Expo, Seco/Warwick will showcase its most advanced systems for gear heat treatment—technologies trusted worldwide for their ability to combine performance, flexibility, and sustainability.

4D Quench Furnaces & Systems: Distortion Control with High-Volume, Continuous Throughput



Distortion control is one of the most pressing challenges in gear heat treatment. Seco/Warwick's **4D Quench®** system is a proven solution, delivering oil-free, high-pressure nitrogen quenching from all directions. This breakthrough process eliminates the surface contamination, safety hazards, and fixture costs tied to traditional quenching methods—while achieving exceptional dimensional accuracy.

When integrated into the **UniCase Master** single-piece flow vacuum furnace, 4D Quench® provides:

- High-volume gear hardening with true continuous throughput
- Near-zero distortion, minimizing or eliminating post-heat-treatment machining
- Fixture-free, automated operation with compact footprint
- 100% traceability and repeatable, consistent results

The combined system supports lean, automated production environments—helping manufacturers cut costs, reduce rework, and ensure superior quality.

Multi-Chamber Vacuum Furnaces with Oil or Gas Quench



For operations that demand flexibility with high-output capability, the **CaseMaster Evolution** two- and three-chamber vacuum furnaces deliver semi-continuous batch throughput. By separating the heating, processing, and quenching functions into dedicated chambers, the system eliminates bottlenecks and maximizes productivity.

Ideal for gears, shafts, and transmission components, CaseMaster Evolution supports processes such as:

- Low-pressure carburizing (LPC)
- Oil or gas quenching
- Hardening, annealing, and brazing

The result is reliable, high-volume processing with built-in adaptability—an ideal fit for demanding automotive, aerospace, and energy applications.

Single-Chamber Gas Quench Furnaces



The **Vector vacuum furnace** is Seco/Warwick's most versatile single-chamber system, designed for batch processing across a wide range of applications. Available in horizontal and vertical configurations, Vector furnaces offer:

- Excellent process flexibility (hardening, tempering, annealing, sintering, brazing, LPC, nitriding)
- High temperature uniformity for consistent results
- Clean, efficient operation with advanced gas-quench options

Vector furnaces are a proven choice for manufacturers who require adaptability in their production mix while maintaining high standards of efficiency and repeatability.

Expanded Gear Heat Treatment Portfolio

Beyond flagship systems, Seco/Warwick offers a broad spectrum of dependable gear heat treatment solutions:

- **Pit Low-Pressure Carburizing Furnaces** – for large gear components; significant throughput improvements over traditional pit-type furnace.
- **Gas Nitriding Furnaces** – precise surface hardening for wear resistance, typically following hardening cycle
- **Gas Generators** – atmosphere control for carburizing and nitriding processes

This breadth of technology makes Seco/Warwick the industry's **1st choice supplier of gear heat treatment solutions.**

Why Visit Seco/Warwick at Booth #822

At the Motion + Power Expo, gear manufacturers will discover how Seco/Warwick delivers on three critical needs:

- **Distortion control** with 4D Quench® Furnaces and Systems
- **High-volume output** with multi-chamber semi-continuous systems
- **Process versatility** with high pressure gas quench batch and pit furnace portfolio

With installations in over 50 countries and decades of innovation, Seco/Warwick is redefining gear heat treatment with systems built for lean, efficient, and sustainable manufacturing.

Transform Your Gear Heat Treatment

From distortion-free quenching to high-volume semi-continuous batch furnaces, Seco/Warwick provides the technologies that elevate quality, streamline operations, and scale production.

Visit us at Booth #822 at the Motion + Power Technology Expo and discover how Seco/Warwick can help you unlock new levels of precision and productivity.

Sinto America—Booth #150

Sinto Surface Treatment, a division of Roberts Sinto Corporation, is a part of Sinto America, Inc. With over 80 years of experience providing state of the art systems to industries worldwide, Sinto Surface Treatment is well positioned to provide the optimum solution to your finishing challenges, offering a complete line of shot blasting machines and surface treatment systems. Sinto also provides contract blasting and precision shot peening services through our National Peening and Technical Metal Finishing divisions.

Sinto offers surface evaluation technology for after the blasting, peening and die-casting processes. The PSMX-II is the fastest, non-destructive, in-process stress measurement device on the market! It allows for immediate, non-destructive measurements providing the fastest X-ray diffraction residual stress measurement device on the market. Measure the residual stress on the surface of parts, after they have been peened, in just 10 seconds!

Sinto America offers a wide assortment of consumables to meet your requirements through Frohn NA. These range from mass finishing media and compounds to blasting and peening abrasives. Learn more!

Smalley—Booth #332

As the inventor of the edgewound wave spring and spiral retaining ring with over 100 years of manufacturing excellence, Smalley is the Engineer's Choice® in providing wave springs, retaining rings, and constant section rings for all of your application needs. Smalley stocks over 11,000 standard parts across 30 configurations and over 400 sizes, ready for delivery.

SMT—Booth #733

SMT provides leading engineers with the expertise and tools to deliver innovative powertrain technology.

MASTA is a Single Software Solution for the design, analysis and optimisation of transmissions, electric machines and electrified powertrains, from concept through to manufacture.

Features include durability analysis for gears, bearings, shafts and splines, system NVH analysis and optimisation, advanced loaded tooth contact analysis, multibody dynamics, power loss, motor analysis and more.

Specialty Steel Treating—Booth #829

Specialty Steel Treating is a leader in the precision heat treating industry. Since 1956, SST has grown to six operating facilities in two states serving the aerospace, industrial, automotive, and taper bearing markets. We pride ourselves on our three business principles: Outstanding Performance, High level of Integrity, and Continual Process Improvement.

Speedgrip Chuck Company—Booth #572

Workholding You Can Trust!

For over eighty-80 years, Speedgrip Chuck Company has manufactured a large variety of standard and special workholding products. Our product offering includes, but is not limited to, a full line of in stock standard internal and external collet chucks, actuation methods, and Madison face drivers for shaft turning. Along with our extensive standard in-stock product offering our specialty is our custom design and build solutions for your unique and most difficult workholding applications. Some of our specialty products include variations of our internal and external collet chucks, diaphragm and finger chucks, between center mandrels, close tolerance hydraulic chucks and arbors and multi-part fixturing for machining centers.

Our products are used in a large array of metalworking industries for turning, drilling and milling, pitch diameter location for gear hobbing and grinding, balancing and inspection equipment, as well as subplate and upright fixturing designed to hold multiple parts for high production machining.

Star SU, LLC—Booth #559

Star SU LLC—part of the Star Cutter family of companies—offers a wide variety of gear cutting machinery, tools and services including vertical hobbing and chamfering and deburring machines; hob sharpening machines; hobs, milling cutters, shaper cutters and shaving tools; chamfer and deburring tools; gundrills and reamers; form tools; and tool life cycle management services.

Star SU brand and technology partners include Star Cutter Company, FFG Modul, Louis Belet Swiss Cutting Tools, and GMTA, Inc./Profilorator.

See Our Ad on Inside Front Cover

Stresstech—Booth #606

Visit booth 606 for a hands-on demonstration!

Stresstech is headquartered in Finland and has offices in Germany (Rennerod) the United States (Pittsburgh) as well as sales and service representatives around the world. Since 1983, Stresstech has been providing non-destructive and destructive testing solutions for process control and quality inspection. The inspection equipment and turn-key solutions serve the automotive, aerospace and other manufacturing industries as well as universities and research institutes.

Barkhausen noise analysis is a non-destructive testing method involving the measurement of a noise like signal in-

duced in a ferromagnetic material by an applied magnetic field. Ideal for detection of grinding burn damage and heat treatment defects, customers can test optimize their manufacturing process and deliver the highest quality components.

Stresstech's line of diffractometers are designed for residual stress and retained austenite measurements. This non-destructive technology can provide customers with reliable, unmatched data for quality control assessment. The Xstress product line of diffractometers is suitable for use in the field, factory, and laboratory settings.

SuperAbrasives, Inc.—Booth #273

At SuperAbrasives we specialize in the design, manufacture and application of diamond and CBN grinding and finishing products and services for a wide range of industries. These include: Automotive, Aerospace, Medical, Electronics, Energy, Agriculture, Heavy Equipment, Custom Job Production, Cutting Tool Fabrication, Wood Working, Bearing, Gear and many others. We pride ourselves on effectively providing our customers with the most cost-efficient solution for the job and our product line includes Vitrified Ceramic, Resin, Metal and Electroplated bond systems along with accessory items like metal bond dressing wheels, wheel adapters, quills and dressing sticks all designed for both manual and CNC machines. Our goal is to educate our customers on who we are, the services we offer and the products we manufacture. Our application engineers all have years of hands on experience in all types of grinding applications and are available for consultation any time problems occur to ensure the solutions we provide meet all of your needs.

Supfina Machine Company, Inc.—Booth #836



Functionally perfect surfaces—customized for your needs.

With locations in Germany, the USA and China, Supfina Grieshaber is one of the world's leading providers of surface finishing solutions. More than 200 highly qualified specialists develop machines and equipment for superfinishing, double-disk grinding, fine grinding and flat finishing, complemented by attachments, tools, robotics and automa-

ThermTech's Expansion into Press Quenching

tion. In our technology centers, we test your workpieces under real conditions and create tailor-made processes. A climate-controlled metrology lab with state-of-the-art equipment ensures precise and reliable results. Drawing on decades of experience, Supfina delivers integrated systems and comprehensive services—enabling functionally perfect surfaces that set new standards in quality and efficiency.

TASA Micro SPM Pvt. Ltd.—Booth #471

Tasa Micro SPM was started in 1995 to provide high-precision machine tool systems for the small and medium-scale automotive and aerospace manufacturing industries. Over the last two decades, the idea of building machine tool design and developing new economical manufacturing processes has helped bring precision manufacturing into the Indian automotive industry.

Over the last two decades, we have developed bespoke solutions like broaching—internal/external broaching, helical broaching and surface broaching, post hobbing solutions—gear tooth deburring, chamfering, rounding, pointing, swaging, CNC/PLC metal cutting special purpose machines that include automation, drilling, turning, milling, boring and robotic material handling systems.

Texas A&M Turbomachinery Lab—Booth #818

The Turbomachinery Laboratory is a center of the Texas A&M Engineering Experiment Station (TEES), located in College Station, Texas. Founded in 1971, the Turbo Lab conducts theoretical and applied research on the reliability and performance of turbomachinery—rotating machinery that extracts or adds energy to fluids. Turbo Lab faculty and staff are proud to continue Texas A&M's land-grant charter and tradition of answering industry needs in basic and applied research, undergraduate and graduate education, and continuing education and professional development. Its numerous activities are sponsored by both industry and government agencies. The Turbo Lab's acclaimed Turbomachinery and Pump Symposia (TPS) is held annually in Houston, and its sister event, the Asia Turbomachinery and Pump Symposia, biennially in Singapore. Both feature a world-class exhibit hall and cutting-edge technical program.

Thermtech—Booth #142

In 2023, ThermTech introduced Press Quenching (also known as Die Quenching) to its suite of heat treatment services. This expansion included three advanced press units, one capable of handling gears and bearings up to 48 inches in diameter—placing ThermTech among the top providers in North America for large-scale commercial heat treating. The press quenching cell also includes two rotary reheat furnaces to boost throughput and ensure redundancy.

**Expertise & Team Strength**

ThermTech backs its cutting-edge equipment with a highly skilled team of press quench technicians, collectively bringing over 40 years of specialized experience. This combination of technology and talent enables ThermTech to deliver industry-leading quality and turnaround times for gear and bearing press quenching.

Technical Advantages of Press Quenching

- **Distortion Control:** Unlike traditional quenching, press quenching applies mechanical force during cooling, minimizing warping and ensuring dimensional accuracy—critical for precision components.
- **Cost Efficiency:** Reduced distortion lowers the

need for post-treatment machining, saving time and money.

- **Versatility:** Applicable to a wide range of gear and bearing types—bull, ring, spur, bevel, helical gears, and inner/outer race bearings. It's also suitable for any part requiring flatness and roundness, provided it fits within the press size limits.

Typical dimensional outcomes include:

- Gear tooth taper: < .005"
- Flatness: < .003"
- Out-of-round: < .005"
- Step alignment: within .003"
- Involute spline taper/roundness: < .003"

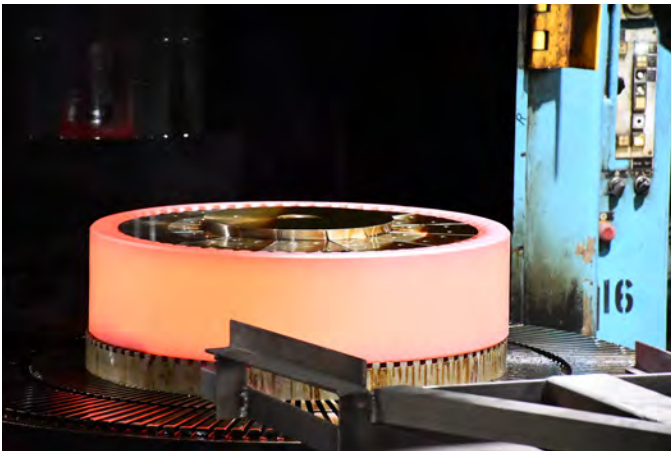
Tooling & Setup Process

Each press-quenched part requires custom tooling. ThermTech offers three tooling options:

1. Customer-Owned Tooling: Can be adapted to ThermTech's presses.
2. Existing Inventory: ThermTech may already have compatible tooling based on part drawings.
3. Custom Tooling: Designed and built in collaboration with local toolmakers.

ThermTech also maintains a vast database of press quenching process data, enabling them to develop effective solutions even for parts with no prior press quenching history.

Before processing, ThermTech works with customers to understand dimensional expectations and final specifications. This ensures optimal press setup and consistent results.



Processing Workflow

- **Direct Press Quenching:** Used for through-hardening alloys like 52100.
- **Carburizing Grades:** Alloys such as 8620, 4320, 9310, and 3310 undergo carburizing in specialized furnaces with tailored recipes and fixturing plans. After cooling, parts are reheated and press quenched.

The press quenching process involves:

- Heating parts to ~1550°F in rotary reheat furnaces under controlled atmosphere
- Transferring parts to press quench units via hydraulic manipulators
- Executing a controlled quench cycle with parameters like oil temperature, flow rate, hydraulic pressure, and quench time

Post-quench, parts are cleaned and measured with calibrated instruments. Technicians use real-time data to fine-tune the process for consistent quality.

Carburizing + Press Quenching = Optimal Results

ThermTech also offers carburizing for gears up to 54" in diameter. This process enhances surface hardness and wear resistance. When combined with press quenching, it yields parts that are both durable and dimensionally precise—ideal for high-performance applications.

Nitriding Gears to AMS2759/6 and AMS2759/10 Standards

In addition to carburizing and press quenching, ThermTech offers precision nitriding services for gears and components requiring enhanced surface hardness, wear resistance, and fatigue strength. Nitriding is a low-temperature (~975°F) thermochemical process that diffuses nitrogen into the surface of steel parts in an ammonia based atmosphere, forming a hard nitride layer. This process induces minimal distortion—making it ideal for precision gear applications.

Benefits of Nitriding Gears

- **Minimal Distortion:** Ideal for precision gears where dimensional integrity is critical.
- **Enhanced Surface Hardness:** Improves wear resistance and fatigue life.
- **No Post-Quench Machining Required:** Unlike carburizing, nitriding does not require quenching, reducing the need for post-treatment grinding.
- **Customizable Case Depths:** ThermTech can tailor the nitriding cycle to meet specific depth and hardness requirements based on gear geometry and application.

New in 2025, ThermTech has launched a state-of-the-art gas nitriding system that can run product to the most stringent industry standards by use of continual nitride potential control. This allows for optimal cycle control and repeatability from part-to-part and load-to-load.

Whether you're working with aerospace-grade components or high-performance industrial gears, ThermTech's nitriding capabilities—combined with press quenching and carburizing—offer a comprehensive heat treatment solution tailored to your exacting standards.

Why ThermTech?

ThermTech's investment in advanced equipment, experienced personnel, and comprehensive process control makes it a top choice for heat treatment services. Whether you need carburizing, press quenching, nitriding and more ThermTech delivers precision, reliability, and excellence.

Thors, LLC—Booth #819

Increase your organization's Manufacturing IQ with the Thors Online Training Courses and Productivity Tools! The Manufacturing Industry is knowledge-intensive, where profitability is highly dependent on the technical acumen of your workforce across manufacturing fundamentals, materials, manufacturing processes, and manufactured products. In many cases this knowledge is not institutionalized or easily accessible. With Thors Digital Tools it is now possible to digitize this knowledge, measure it, and use this data to educate, enlighten, and empower your entire workforce, increasing the value of your business.

Tianjin Santroll Electric Technology Co., Ltd.—Booth #806



SANTROLL®



Founded in 2001, Tianjin Santroll Electric Automobile Technology Co., Ltd. Our 60-acre campus is home to 720+ employees—including 260+ R&D engineers—and is capitalised at CNY 73.22 million.

As a dedicated electric motor supplier, Santroll focuses on the development of innovative motor and control solutions for a wide range of applications. The company has filed over 1,200 patents and offers advanced electric motor solutions tailored to both industrial and commercial needs.

Its core offerings include electric drive controllers and flat wire motor components, widely applied in electric commercial vehicles, construction machinery, marine vessels, and other sectors requiring high-performance electric drive systems.

Toolink Engineering Inc.—Booth #200

Toolink Engineering, Inc., based in Boulder, CO, is dedicated to serving the gear industry as the exclusive North American distributor, sales & service center for Wilhelm König precision workholding devices.

Wilhelm König specializes in advanced hydraulic and mechanical workholding devices designed for gear and rotor grinding, hobbing, shaping, shaving, honing, and in-

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spection. König tooling is engineered for compatibility with most modern machine tools and inspection systems.

In addition, Toolink Engineering offers complementary gear manufacturing technologies, including robust, heavy-duty CNC gear hobbing machines, deburring/edge prep solutions, as well as automation/machine tending solutions.

With two locations in Colorado and Ohio, Toolink Engineering is committed to delivering innovative solutions and outstanding customer service to gear manufacturers across North America.

Tool-X, LLC—Booth #256



**Nano
FLUID TECH**

Nano Fluid Technologies, LLC provides Tool-X's space aged nanofluids by re-introducing physics & science back into manufacturing. Tool-X's military grade nanoparticle-based fluids combat the primary enemies of metal cutting: friction and heat in an environmentally friendly way. Our oil and water-based nanofluids deliver significant improvements across all operations and applications. We improve tool life (+100%), increase throughput, improve finishes, and decrease cycle times (10%-40%). Free of additives & paraffins, Tool-X eliminates common issues like staining, foaming, smells & odors, bacteria, and product breakdown. The self-cleaning nanoparticles maintain machine cleanliness, leading to a more efficient and reliable cutting process lasting years.

Triumph Geared Solutions—Booth #512



Triumph Geared Solutions, your one stop shop for complete aerospace and defense geared solutions. Come see us at Booth #512. Triumph Geared Solutions provides complex geared solutions including design, development, manufacture and support of complete transmission and gearbox assemblies as well as complex gears and housings.

Unit Drop Forge Co., Inc.—Booth #166



Unit Drop Forge manufactures forged steel components that range from 10 pounds up to 325 pounds in net weight. Over nine different sized hammers, we are able to provide a wide variety of forged products in complex shapes and sizes. Our experienced staff of forging experts will make sure everything is covered down to the smallest detail. We design and manufacture all of our tooling in house using the latest technologies to shorten manufacturing time and reduce cost. You can be confident we will deliver the highest quality forged components quickly and competitively. We have been doing it since 1918.

United Gear & Assembly, Inc.—Booth #212

United Gear and Assembly offers a totally integrated gear company. UGA manufactures precision gears and shafts for engines, generators, transmissions and drive trains used by OEM manufacturers world-wide, including custom gear and shaft products designed to meet rigid specifications. UGA produces products that include parallel axis gears, bevel gears, helical gears, cluster gears, splined shafts, splines, pinions, and sprockets. Heat Treating capabilities include batch carburizing, continuous carburizing, gas nitriding, carbonitriding, induction hardening, through-hardening, normalizing, stress relieving, tempering, press quench, and a complete metallurgical laboratory. United Gear is IATF 16949 & ISO 9001 certified.

United Protective Technologies, LLC (UPT)—Booth #604

At UPT we engineer and apply high-performance protective coatings for critical components, like gears, splines,

and other moving parts. Our coatings have been designed to provide enhanced characteristics like:

- Increased Wear Resistance—Abrasion & Adhesion
- Greater Corrosion Resistance
- Super-low Friction
- Lubricity
- Increased Hardness

Our customers also benefit from the fact that our coatings are:

- Ultra-thin: 1.5-5 microns, preserves part tolerances
- FDA Compliant & Food Safe
- Applied using an Eco-friendly process (unlike hard chrome)

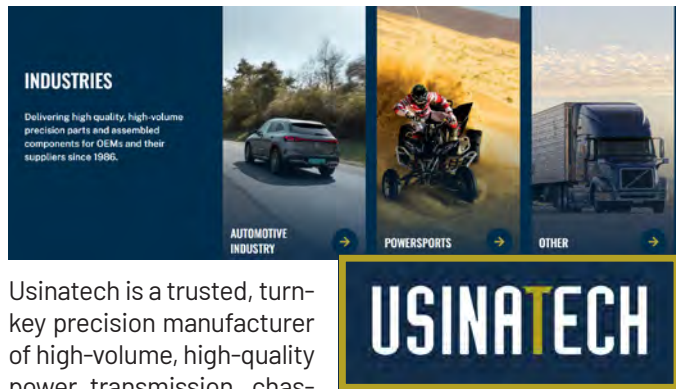
You'll enjoy better up-time, less maintenance, and greater reliability. From military to medical, aerospace to automotive, our coatings are trusted to perform and protect.

United Tool Supply—Booth #101



United Tool Supply, located in Cincinnati, OH, is proudly going on their 52nd year of business building and supplying quality gear gauges to multiple industries across the globe. The family-owned business is home of the Unite-A-Matic™; Roll-A-Matic™, And Surf-A-Matic™ line of industry leading gear and surface finish gauges. United Tool also represents major gauge manufacturers and prides itself in superior sales and customer service with its growing metrology supply business and on-site machine shop. Please swing by our Booth #101 to meet the team and learn about our products.

Usinatech—Booth #567



Usinatech is a trusted, turn-key precision manufacturer of high-volume, high-quality power transmission, chassis, steering and suspension parts for OEMs and Tier 1 suppliers of hybrid, electric and gas-powered vehicles.

Our services are Manufacturing and assembly management for all phases of production—fully integrated custom and precision manufacturing management services spanning all phases of production, from product development to delivery. See why leading OEMs and Tier 1 parts suppliers of hybrid, electric and gas-powered vehicles across North America and Europe have been relying on our one-stop shop custom and precision manufacturing expertise since 1986.

VDP SPA—Booth #677

VDP Fonderia Spa is a specialized company in the manufacturing of grey and nodular cast iron castings from few kg up to 100.000 kg for over three generations.

Three interactive sites which employs almost 370 people with their total productive capacity of almost 45.000 tons, lead the VDP Group to occupy a prominent position on the national and international market.

Humanly and technologically modern foundry, filled with numerous environmentally and operationally safe systems to ensure that our castings have outstanding structural integrity and reliability.

Strong passion and constant innovation are continuously involved in the discovery, research and development of new melting processes with the goal of creating a high-quality cast iron casting.

Vector Companies—Booth #571

Vector Companies is a global platform of gear, shaft, and custom component manufacturers.

Through our brands—The Adams Company, Atlas Global, and Atlas Gear Company—global innovators can tap into over 250 years of combined expertise in industrial motion control and power transmission. We offer a single-source solution for low-volume, high-volume, and custom manufacturing. Backed by extensive experience in manufacturing, logistics, and gearbox assembly, our expert team works collaboratively with global innovators to deliver comprehensive, tailored solutions that meet the unique needs of every project.

Viking Forge—Booth #715

Viking Forge LLC is a precision forger utilizing the latest technologies to advance the science of forging. Our 3-D solid modeling package is the foundation upon which our CNC tool making equipment and CMM inspection systems are based. Material flow simulation, computer aided design and manufacturing, advanced process controls, and our automated inspection system are fully utilized to reduce development cost and lead times for new programs. Viking Forge produces both flashless and near net shape forgings as large as 14" in diameter, ranging from 1-95 pounds, featuring 1-2 mm of clean-up-stock. Typical program volumes suiting our equipment/process range from 5,000 to 500,000 pieces per year. Viking Forge LLC is ISO 9001:2015 certified with complete in-house toolmaking capability.

Virgo Communications & Exhibitions—Booth #479

Publishers of *Gear Technology India* and producers of IP-TEX, to be held February 26-28, 2026. Don't miss out on this extraordinary event, where industry pioneers converge to share knowledge, discover groundbreaking solutions, and drive the power transmission sector forward. Mark your calendars and be prepared to be part of the Power Transmission Trade Fair Exhibition in Pune 2026. Experience innovation, forge connections, and unlock endless opportunities at IPTEX 2026.

See Our Ad on p. 19

Vollmer of America Corp.—Booth #477

Vollmer of America Corp is a sales and service subsidiary of the Vollmer Group and is located in Pittsburgh, PA, with a state-of-the-art showroom and facility. With its comprehensive range of machinery, the Vollmer Group enjoys global success as a specialist in tool machining in Production and Service divisions.

The product range from the technology leader comprises the latest in grinding, erosion and machining tools for rotary tools, circular saws and metal cutting band saws in the wood-processing and metal-processing industries. Latest addition to the Vollmer Group is the startup company UltraTEC, offering exciting innovations in ultrasonic deburring systems.

The Vollmer Group currently employs approx. 800 workers worldwide, including more than 50 trainees. As a provider of technology and services, the Vollmer Group is a reliable partner to its customers.

WD Bearings America LLC—Booth #612

The WD Bearing Group is a technology-oriented bearing company specializing in research & development, manufacturing, sales, and service of high-quality bearings.

We manufacture our bearings in our Global Headquarters located in Wuxi, China.

Our North American and European divisions facilitate native engineering support, local warehousing, and general administration for each respective region!

Weiler Abrasives Group—Booth #131

As an industry leader and global manufacturer of surface conditioning solutions, Weiler Abrasives Group is dedicated to forging collaborative relationships with our customers. We are committed to providing our customers with world-class service and the most advanced gear grinding and deburring technology in the world.

People who take work seriously partner with Weiler. We work collaboratively to help solve our customers' biggest challenges. We understand that every production operation is different, so is every production challenge. One solution does not fit all. Weiler experts can examine your specific production and product challenges and develop customized solutions that optimize your operation. Together we will maximize productivity enabling your business to be more efficient and ultimately more profitable.

Wenzel America Ltd.—Booth #262

Wenzel America is an innovative provider of customized metrology and styling solutions, built on a solid foundation of German precision engineering and strong partnerships as a family-owned company.

With thousands of customers around the world using Wenzel machines, we are considered a leader in the metrology industry. Our focus is on solving the toughest measuring requirements for our customers, wielding our longtime expertise in German engineering, which dates back to 1968. Parent company Wenzel Group GmbH was founded by Werner Wenzel as a provider of testing equipment and precision measuring tools.

Wenzel provides a full line of metrology solutions for gear inspection through its dedicated gear inspection equipment as well as its CMM-based solutions. Both have the ability to inspect helical, spur, bevel, worm, worm wheel, and synchronization gears, as well as cams, racks, rotors, hobs, shapers, shavers, and broaches. We also have reverse engineering and GDE capabilities.

Wenzel's customer philosophy is based on developing personal relationships and meeting customer needs.

WFL Millturn Technologies—Booth #270

Combining all machining and measuring operations into a single Millturn complete machining centre from WFL massively increases the efficiency of your manufacturing. The unique Millturn machine concept and turning-boring-milling unit with gearbox guarantees unparalleled chipping performance with the highest level of precision. An investment that pays dividends very quickly.

Find the right Millturn for your application:

WFL currently has over 20 different Millturn models available: With turning lengths from 1000 to 14000 mm and turning diameters from 520 to 2000 mm, an extensive range of workpieces can be machined completely. Almost all Millturn models are also available as counter spindle variants (with the identification—G).

Millturn stands for:

- Wide range of machining technologies
- Highest level of productivity
- Highest stability and precision
- Highest flexibility in manufacturing

Xinzhou Bearing Industrial Inc.—Booth #770

CERAMIC BEARING

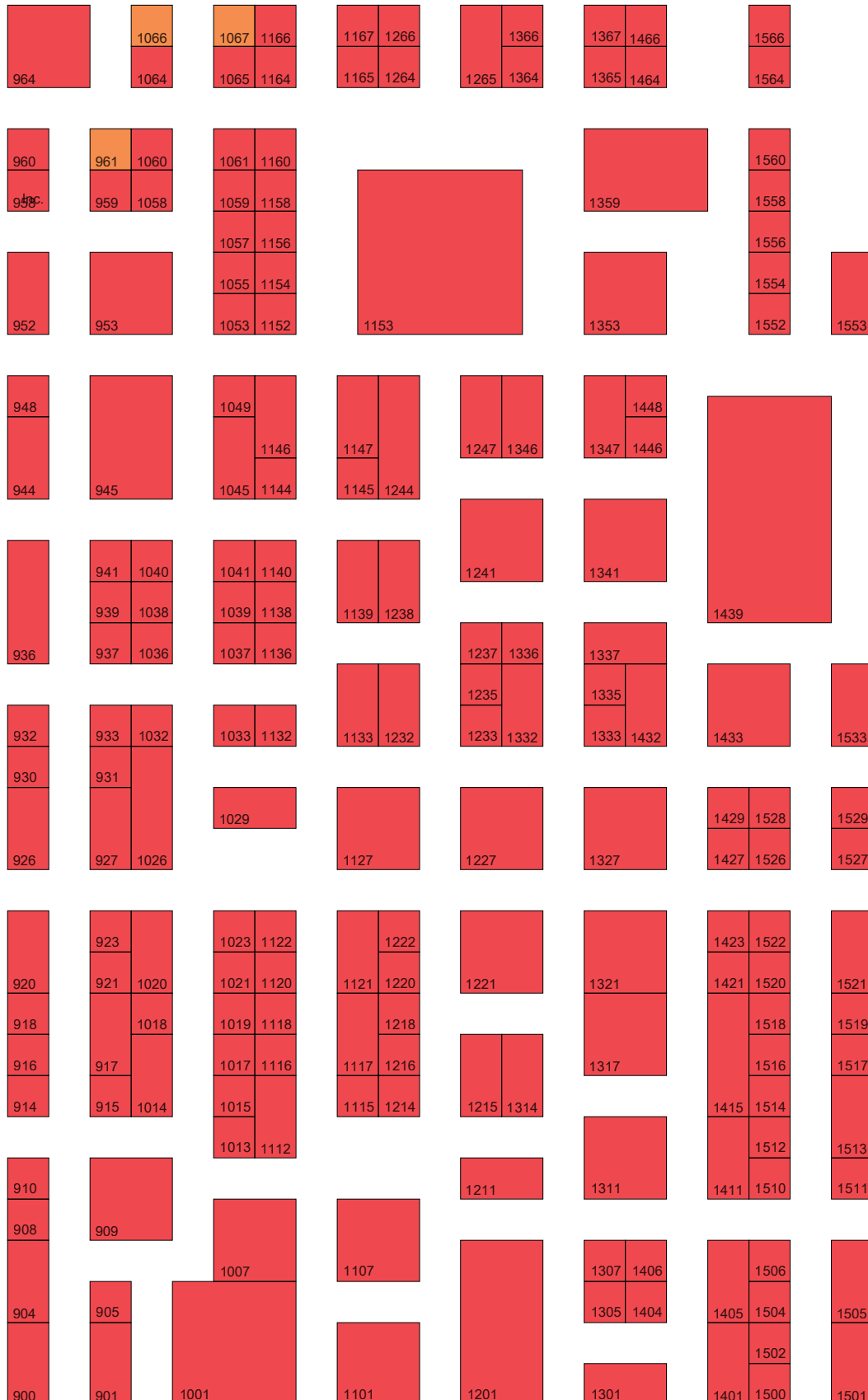
For special bearings, we have also made that some bearings are not normally used in applications that can be used in other bearings. They have good in resistant corrosion resistance depending on the material and the chemical composition of the material, support these advantages. They are investigated and manufacturing, single pieces, several in different quantities. The bearing bearings have 100% or 100% capacity in the capacity in the capacity of the material. They are also used in high speed applications.

LNG CRYOGENIC PUMP BEARING

The bearing bearings are made in the size of 100 mm, 150 mm, 200 mm, 250 mm, 300 mm, 350 mm, 400 mm, 450 mm, 500 mm, 550 mm, 600 mm, 650 mm, 700 mm, 750 mm, 800 mm, 850 mm, 900 mm, 950 mm, 1000 mm, 1050 mm, 1100 mm, 1150 mm, 1200 mm, 1250 mm, 1300 mm, 1350 mm, 1400 mm, 1450 mm, 1500 mm, 1550 mm, 1600 mm, 1650 mm, 1700 mm, 1750 mm, 1800 mm, 1850 mm, 1900 mm, 1950 mm, 2000 mm, 2050 mm, 2100 mm, 2150 mm, 2200 mm, 2250 mm, 2300 mm, 2350 mm, 2400 mm, 2450 mm, 2500 mm, 2550 mm, 2600 mm, 2650 mm, 2700 mm, 2750 mm, 2800 mm, 2850 mm, 2900 mm, 2950 mm, 3000 mm, 3050 mm, 3100 mm, 3150 mm, 3200 mm, 3250 mm, 3300 mm, 3350 mm, 3400 mm, 3450 mm, 3500 mm, 3550 mm, 3600 mm, 3650 mm, 3700 mm, 3750 mm, 3800 mm, 3850 mm, 3900 mm, 3950 mm, 4000 mm, 4050 mm, 4100 mm, 4150 mm, 4200 mm, 4250 mm, 4300 mm, 4350 mm, 4400 mm, 4450 mm, 4500 mm, 4550 mm, 4600 mm, 4650 mm, 4700 mm, 4750 mm, 4800 mm, 4850 mm, 4900 mm, 4950 mm, 5000 mm, 5050 mm, 5100 mm, 5150 mm, 5200 mm, 5250 mm, 5300 mm, 5350 mm, 5400 mm, 5450 mm, 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HEAT TREAT | 2025

FLOOR PLAN



HEAT TREAT EXHIBITOR LIST

Green Indicates MPMA Member company

BOOTH	COMPANY
1120	Across Usa, Inc. (CFC Design)
1518	Advanced Nitriding Solutions
909	AFC Holcroft
936	AFC-Holcroft Mobile Operations
1233	Airflow Sciences Corporation
1314	Ajax Tocco
1147	Alcon Industries, Inc.
1241	ALD Vacuum Technologies North America, Inc.
1041	Alfing Corporation
1154	Algas-SDI
1017	Allegheny Alloy, Inc.
1411	Allied High Tech Products, Inc.
1502	Alloy Engineering Co.
1466	Amazemet
1421	AMBD
921	Americarb Inc.
1055	AMPP
1144	Ardleigh Minerals, Inc.
1057	ASM Materials Education Foundation
1153	ASM Membership Lounge
1032	AvCarb Material Solutions
958	AVS, Inc.
1038	Azbil North America
1053	Beta Diamond Products & Supplies
1365	Bodycote
1216	BOINSA
1067	bp Energy Retail Company
1446	Bronco Blast Equipment
1433	C3 Data, LLC
1227	Can-Eng Furnaces International Ltd.

1029	Cast Alloy Products / Qual-Fab, Inc.
1235	CCEWOOL Thermomax Inc.
1529	CCG Group
1333	Chiz Bros: Refractory and Insulation Specialists
1164	Christy Industrial Services
1533	Cleveland Electric Laboratories, Inc.
916	Codina
1238	Combustion OS
1156	Consolidated Engineering Company
1506	Contour Hardening
1301	Control Concepts, Inc.
1019	Cooley Wire Products
1049	CVD Equipment Corporation
1132	DANTE Solutions Inc.
1036	Deep Cryogenics International
1059	Delamin Nitriding Salts
1158	Detroit Flame Hardening Co.
960	DMP CryoSystems
1439	Domesday
1112	Dry Coolers Inc.
1115	DuBois Chemicals
1311	ECM USA
1516	EFINEA
959	Ei6
1429	Eltropuls
1404	Eurotherm USA
970	Exhibitor Lounge / Show Office
1061	Expanite Inc.
1060	Fab-Alloy Company
1167	Firewheel Industrial Co., Ltd.

932	Fives North American Combustion, Inc.
1021	Fluid Dynamics
933	Fluke Process Instruments
945	Fluxtrol & HTS Strong Bar Posters
1211	Fluxtrol Inc.
1406	Fort Wayne Metals
1015	Fraunhofer IWS / Fraunhofer USA
953	Fuji-Denshi US Corp.
1514	Furnaces International
1146	Gasbarre Thermal Processing Systems
1066	GBZ Mannheim GmbH & Co. KG
1118	Gefran, Inc.
1116	Genco Ltd.
1001	GeoCorp, Inc.
961	GF-ELTI S.r.l.
910	Graphalloy
1517	Great Lakes Vacuum
1505	Heat Treat Furnaces (a TTX Company)
944	Heat Treat Today
1133	HEMO Cleaning Systems USA Inc.
1556	Hill Engineering
1527	Himmelwerk Induction, Inc.
1528	Hitachi High-Tech America, Inc.
1353	Honeywell
1553	ICRS Posters
952	IDEA Induction
914	Idemitsu Lubricants America
1423	IGE FANS (Industrial Gas Engineering)
1327	IMAT Posters
1359	IMS - IMC Contest & General Posters
1522	Induction Tooling
1201	Inductoheat / Consarc
971	Industry Forum
1023	INEX Incorporated

1264	Interpower Induction
1335	Ion Heat
1401	Ipsen
1432	IVA Schmetz GmbH
905	Jackson Transformer Co.
1520	Journal of Thermal Spray Technology (JTST)
1136	Kowalski Heat Treating Company
941	L&L Special Furnace
1026	LECO Corporation
1336	Leybold USA, Inc.
1307	Lincotek Equipment
1512	Lindberg/MPH
1247	Linde
926	LINK Induction LLC
1370	Materials Camp
917	McLaughlin Services LLC
937	Mend Tech Inc
1033	Metallurgical High Vacuum Corp.
1448	Miracle Steel LLC
1366	Moffitt Corporation
1519	Morgan Advanced Materials
1341	MTS Systems Corporation
1139	MUT Advanced Heating
1160	Nel Hydrogen
1560	Netzsch Instruments North America
1464	Newton Heat Treating
1152	Nippon Kornmeyer Carbon Group
1346	Nitrex
1020	North American Cronite
1145	Noxmat Industrial Heating Technology
1415	Olstrad Corporation
1367	Omega Castings, Inc.
1332	Optris Infrared Sensing, LLC
1427	PhoenixTM

1244	Premier Furnace Specialists / Beavermatic
1040	Process Cooling Systems
1521	Pro-Tech Company Inc.
1037	Protection Controls, Inc.
908	Proto X-ray Diffraction
930	PSNERGY LLC
1552	Pulstec Industrial Co., Ltd
1064	Purdue Heat Treating Consortium
1138	PVA TePla America LLC
1500	Pyromaitre Inc.
1215	Quaker Houghton
923	Refractory Service, Inc.
1513	Rockford Combustion
1405	Rolled Alloys
904	Rübig Industrial Furnaces
1232	Safechem Europe GmbH
900	Sajjan, LLC.
918	SBS Corporation
1526	Schunk Carbon Technology
1039	Schwing Technologies
1140	SciAps Inc.
1317 1321	Seco/Warwick Corporation
1117	Selas Heat Technology
927	Shinning Alloy
1218	Signature Vacuum Furnaces
1045	Simplex Metals Ltd.
1166	SMS-Elotherm
948	SNS/HFIR Neutron Scattering Facilities of ORNL
1127	Solar Manufacturing
1018	South Tek Systems
920	Springer Nature
1566	Steelhead Technologies

1121	Steeltech LLC
1501	Sun-Tec Corporation
1107	Super Systems Inc.
1101	Surface Combustion
931	Surface Flow Technology, Inc./LSN Diffusion
1221	TAV Vacuum Furnaces / Furnacare
1058	TEC Materials Testing
1222	Televac - The Fredericks Company
1122	Tenova Inc.
1504	Thermcraft, Inc.
1305	Thermo-Calc Software Inc.
1165	TK Engineering / Yuasa International
1558	Trimble Combustion Systems, Inc.
901	Tucker Induction Systems
939	Ultraflex Power Technologies Corp.
1364	Upton Industries, A Kolene Company
1220	Vac Aero International Inc.
1564	Veqter Ltd.
1013	Verder Scientific, Inc.
1337	Vesco
1214	Viking Engineering
1007	VOLTAGE LOUNGE Sponsored By GEOCORP
1266	Weldaloy Metallurgical Laboratory
1014	Williams Industrial Service, Inc.
1347	Wirco Inc.
1510	Wisconsin Oven Corporation
915	WS Thermal Process Technology Inc.
1265	Wuxi Junteng Fanghu Alloy Casting Co. Ltd.
1511	Xinghua Tongbu Casting Co., Ltd.
1554	X-Sight s.r.o.
1065	Zircar Ceramics, Inc.
1237	Zircar Refractory Composites, Inc.

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Fega Tool & Gage Co.	813
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Hainbuch America Corp.	207
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Speedgrip Chuck Company	572
Toolink Engineering Inc.	200

Broaches

Broach Masters/Universal Gear Co.	501
Broaching Machine Specialties	511
DTR Corporation	300
ESGI Tools Private Limited	845
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Oelheld U.S., Inc.	206

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ESGI Tools Private Limited	845
Ever Sharp Tools	110
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GMTA—German Machine Tools of America	470
Horn USA, Inc.	113
Index Technologies Inc.	473
J. Schneeberger Corp.	577
Leistritz Advanced Technologies Corporation	837
Russell, Holbrook & Henderson	228
S.S. Tools	171
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Diamond Dressing Tools

Continental Diamond Tool	769
CUMI America Inc.	838
GMTA—German Machine Tools of America	470
Kapp-Niles	577
Norton/Saint-Gobain	505
Radiac Abrasives, a Tyrolit Group	128
Reishauer Corporation	537
S.L. Munson & Co.	312

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Grinding Wheels

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GMTA—German Machine Tools of America	470
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Norton/Saint-Gobain	505
Radiac Abrasives, a Tyrolit Group	128
Reishauer Corporation	537
Rotec Tools Ltd.	762
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SuperAbrasives, Inc.	273
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Index Technologies Inc.	473
J. Schneeberger Corp.	577
Machine Tool Builders Inc.	119
Russell, Holbrook & Henderson	228

Hobs

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ESGI Tools Private Limited	845
Ever Sharp Tools	110
Helios Gear Products	137
HobSource Inc.	700
Rotec Tools Ltd.	762
Russell, Holbrook & Henderson	228
S.S. Tools	171
Star SU, LLC	559

Honing Dressing Tools

CUMI America Inc.	838
Radiac Abrasives, a Tyrolit Group	128
S.L. Munson & Co.	312

Honing Wheels

DVS Technology America	359
GMTA—German Machine Tools of America	470
Helios Gear Products	137
Radiac Abrasives, a Tyrolit Group	128
S.L. Munson & Co.	312

Milling Cutters

DTR Corporation	300
ESGI Tools Private Limited	845
Ever Sharp Tools	110
HobSource Inc.	700
Horn USA, Inc.	113
Russell, Holbrook & Henderson	228
S.S. Tools	171
Star SU, LLC	559

Precision Mandrels

Fega Tool & Gage Co.	813
Hainbuch America Corp.	207
Hydra-Lock Corporation	645
Speedgrip Chuck Company	572

Rack Type Cutters

ESGI Tools Private Limited	845
HobSource Inc.	700
S.S. Tools	171

Shaper Cutters

Broach Masters/Universal Gear Co.	501
DTR Corporation	300
ESGI Tools Private Limited	845
Ever Sharp Tools	110
Helios Gear Products	137
HobSource Inc.	700
Index Technologies Inc.	473
J. Schneeberger Corp.	577
Russell, Holbrook & Henderson	228
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Star SU, LLC	559

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ESGI Tools Private Limited	845
HobSource Inc.	700
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Gear Resource Technologies, Inc.	232
Gleason Corporation	529
Hainbuch America Corp.	207
Hydra-Lock Corporation	645
Reishauer Corporation	537
S.L. Munson & Co.	312
Speedgrip Chuck Company	572
Toolink Engineering Inc.	200

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Bar Stock

Advance Bronze, Inc.	165
Finkl Steel USA	830
National Tube Supply	863
Scot Forge	244

Ductile Cast Iron

Advance Bronze, Inc.	165
The Estell Group LLC	818
VDP SPA	677

Forgings

Advance Bronze, Inc.	165
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Finkl Steel USA	830
FOC Cisco	706
IM Gears Private Limited	820
IMT Forge	229
McInnes Rolled Rings	721
Meadville Forging Company	811
Patodia Forgings and Gears Ltd.	400
RB Forgings Pvt. Ltd.	128
Scot Forge	244
The Estell Group LLC	818
Unit Drop Forge Co., Inc.	166
Viking Forge, LLC	715

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Advance Bronze, Inc.	165
Finkl Steel USA	830
FOC Cisco	706
IMT Forge	229
McInnes Rolled Rings	721
Meadville Forging Company	811
RB Forgings Pvt. Ltd.	128
Scot Forge	244
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Near Net Forgings

Finkl Steel USA	830
FOC Cisco	706
McInnes Rolled Rings	721
Scot Forge	244
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Plastics/Polymers

Nichiei Co. Ltd.	136
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Bevel Gears

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Croix Gear	769
Delta Gear	402
GKN Automotive	576
Gleason Corporation	529
IM Gears Private Limited	820
IMT Forge	229
Klingelnberg America	177
Nordex, Inc.	823
Patodia Forgings and Gears Ltd.	400
Penn Machine Company LLC	825
Philadelphia Gear, Power Systems by Timken	114
Power Transmission Group	107
RB Forgings Pvt. Ltd.	128
United Gear & Assembly, Inc.	212
Vector Companies	571

Bevel Gears – Spiral, Hypoid, Zerol

Bevel Gears India Pvt. Ltd.	607
Circle Gear and Machine Company	744
Croix Gear	769
Delta Gear	402
Great Taiwan Gear Ltd.	725
Pragati Transmission Pvt. Ltd.	801

Bevel Gears – Straight

Bevel Gears India Pvt. Ltd.	607
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Croix Gear	769	Penn Machine Company LLC	825	Schafer Industries	756
Quality Gears	132	Schafer Industries	756	Usinatech	567
Couplings		Usinatech	567		
Croix Gear	769	Vector Companies	571	Internal Splines	
Doppler Gear Company	413			CGI, Inc.	311
Flender Corporation	666	Helical Gears		Croix Gear	769
Nordex, Inc.	823	Ancon Gear & Instrument Corporation	301	Doppler Gear Company	413
Vector Companies	571	Atlantic Sintered, Inc.	272	Fega Tool & Gage Co.	813
		Aurevex Technology Thailand	162	IM Gears Private Limited	820
Crown Gears		Brelie Gear Co.	406	IPM, Inc.	358
Meadville Forging Company	811	CGI, Inc.	311	Usinatech	567
RB Forgings Pvt. Ltd.	128	Chun Yeh Gear Co., Ltd.	768		
Custom/Prototype Gears		Circle Gear and Machine Company	744	Master Gears	
CGI, Inc.	311	Croix Gear	769	Broach Masters/Universal Gear Co.	501
Chun Yeh Gear Co., Ltd.	768	Flender Corporation	666	ESGI Tools Private Limited	845
Doppler Gear Company	413	Forest City Gear Company	419	Euro-Tech Corp.	708
Forest City Gear Company	419	Gear Motions, Inc.	745	Ever Sharp Tools	110
Gear Motions, Inc.	745	GKN Automotive	576	Penn Machine Company LLC	825
Nichiei Co. Ltd.	136	Great Taiwan Gear Ltd.	725	Pragati Transmission Pvt. Ltd.	801
Nordex, Inc.	823	Hexagon Design & Engineering	578	S.S. Tools	171
Power Transmission Group	107	IM Gears Private Limited	820	United Tool Supply	101
United Gear & Assembly, Inc.	212	IPM, Inc.	358		
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		Meadville Forging Company	811	Aurevex Technology Thailand	162
Double Helical Gears		Nordex, Inc.	823	Brelie Gear Co.	406
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Philadelphia Gear, Power Systems by Timken	114	Penn Machine Company LLC	825	GKN Automotive	576
		Power Transmission Group	107	Great Taiwan Gear Ltd.	725
Fine Pitch Gears		Pragati Transmission Pvt. Ltd.	801	Hexagon Design & Engineering	578
Ancon Gear & Instrument Corporation	301	Schafer Industries	756	IM Gears Private Limited	820
Bevel Gears India Pvt. Ltd.	607	Usinatech	567	IPM, Inc.	358
Brelie Gear Co.	406	Vector Companies	571	Nanjing High Speed & Accurate Gear Group Co., Ltd.	411
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Forest City Gear Company	419	Internal Gears		Penn Machine Company LLC	825
Great Taiwan Gear Ltd.	725	Ancon Gear & Instrument Corporation	301	Philadelphia Gear, Power Systems by Timken	114
Nichiei Co. Ltd.	136	CGI, Inc.	311	Renk Group (formerly Cincinnati Gearing Systems)	245
Nordex, Inc.	823	Croix Gear	769	Schafer Industries	756
Star SU, LLC	559	Delta Gear	402	Usinatech	567
Vector Companies	571	IM Gears Private Limited	820		
		Nanjing High Speed & Accurate Gear Group Co., Ltd.	411	Plastic Gear Transmissions	
Ground Gears		Nordex, Inc.	823	Aurevex Technology Thailand	162
Columbia Gear Corporation	719	Omni Gear & Machine Corp.	122	RD Motion, d.o.o.	570
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Forest City Gear Company	419	RB Forgings Pvt. Ltd.	128	Plastic Gears	
Gear Motions, Inc.	745	Renk Group (formerly Cincinnati Gearing Systems)	245	Aurevex Technology Thailand	162
IPM, Inc.	358			Hexagon Design & Engineering	578
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Omni Gear & Machine Corp. 122

Patodia Forgings and Gears Ltd. 400

Power Transmission Group 107

Pragati Transmission Pvt. Ltd. 801

Schafer Industries 756

The Estell Group LLC 818

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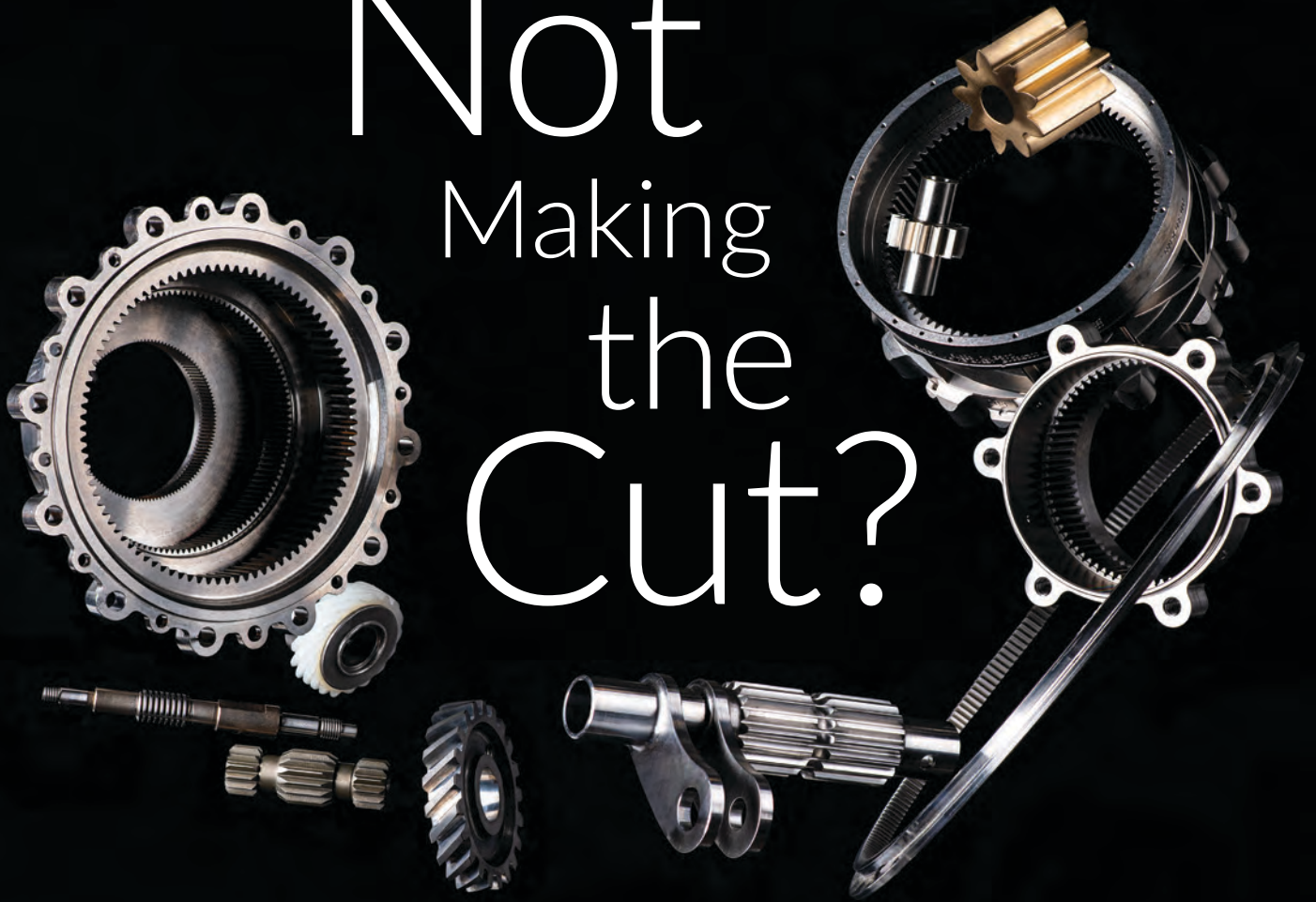
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