

ASM HeatTreat 2015

Map and booth listings

October 21-22, 2015

**Detroit, MI
Cobo Center**

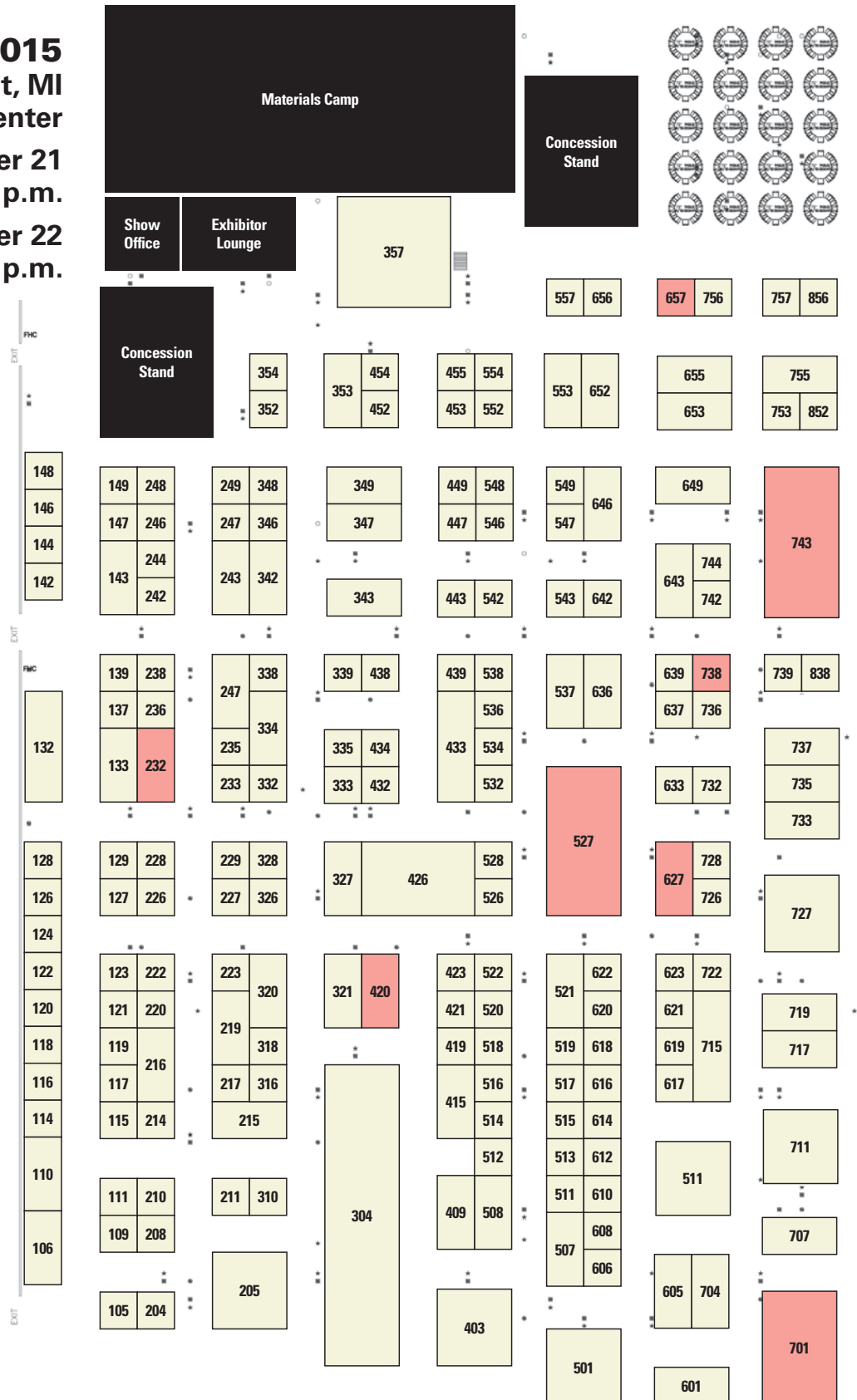
Wednesday, October 21

— 9:00 a.m. – 6:00 p.m.

Thursday, October 22

— 9:00 a.m. – 4:00 p.m.

 **Gear Technology
Advertisers in
this issue**





ECM USA INC.
VACUUM FURNACES

ECM TREATED GEARS DRIVE THE WORLD

Low Pressure Vacuum Carburizing Systems

VISIT US AT ASM'S HEAT TREAT 2015 OCT. 21-22, 2015: BOOTH 420



Innovation

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- **Oil Quenching**
- **Carbonitriding**
- **Neutral Hardening**

ECM USA, INC. 9505 72nd Ave, Suite 400
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Company	Booth#	Ad Page
Abbott Furnace Company	204	
Across USA, Inc.	542	
Advanced Corporation for Materials & Equipments Co.	119	
Advanced Energy	210	
Advanced Technology Services, Inc.	354	
AFC-Holcroft	627	34
AFFRI, Inc	235	
Aichelin Heat Treatment Systems, Inc.	655	
Air Liquide Industrial, US	434	
Air Products and Chemicals, Inc.	508	
Airflow Sciences	512	
Ajax Tocco Magnethermic	733	
Alcon / Cast Alloy	553	
Allegheny Alloys	516	
Allied High Tech Products	115	
Ametek	716	
Atmosphere Engineering Company	711	
Avion Manufacturing Company	237	
Bay Composites, Inc.	137	
Bodycote	334	
BTU International, Inc.	449	
Busch Vacuum Pumps and Systems	347	
C&L Development Corp.	526	
C.I. Hayes	433	
Can-Eng Furnaces International Ltd.	605	
Castalloy	106	
Chemtool Incorporated	205	
Clemex Technologies Inc.	522	
Cleveland Electric Labs	227	
CMI Industry Americas	614	
Connert Industrial Solutions, LLC	453	
Conrad Kacsik Instrument Systems, Inc.	332	
Contour Hardening Inc.	105	
Control Concepts Inc.	236	
Cooley Wire Products	518	
CoorsTek Technical Ceramics	532	
Cornerstone Systems, Inc.	838	
Criterion NDT	208	
Custom Electric Mfg.	744	
Daniels Fans North America	616	
Dante Solutions Inc.	620	
Datapaq, Inc.	726	
Dekker Vacuum Technologies, Inc.	547	
DF Fan Services, Inc.	621	
DIAS Infrared Corp	536	
DixiTech CNC	534	
Dowa THT America, Inc.	349	
Dry Coolers Inc.	415	
ECM USA Inc.	420	65
Edwards Vacuum	214	
EFD Induction	232	63
Elmet Technologies, Inc.	318	
Ernst US	612	
Eurotherm by Schneider Electric	217	
Flame Treating Systems, Inc.	722	
Fluxtrol Inc.	717	
Fraunhofer USA- Center for Laser Applications	548	
Friedr. Lohmann GmbH	129	
Furnacare Inc.	454	
The Furnace Belt Company Limited	147	
Furnace Control Corp.	501	
Furnace Parts LLC	439	
Furnaces, Ovens & Bath, Inc.	109	
G-M Enterprises	320	
G.N.R. S.R.L.	610	
Garden City Fan I Flaktwoods	513	
Gear Solutions	517	
GeoCorp, Inc.	321	
GH Induction Atmospheres LLC	652	

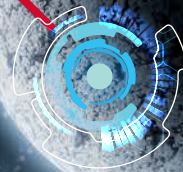
Company	Booth#	Ad Page
Graphite Machining, Inc.	552	
Graphite Metallizing Corp.	228	
Guntner US LLC	220	
H.C. Starck	215	
Harry Major Machine	549	
Hauck Manufacturing Company	223	
Heat Treating Services Unlimited, Inc.	149	
Heatbath I Park Metallurgical Corp.	601	
Heavy Carbon Co	114	
Heess GmbH & Co. KG	226	
Herakles (Safran Group)	328	
Hind High Vacuum Company (Pvt) Ltd.	146	
Houghton International	426	
HTS	357	
Idemitsu Lubricants America	148	
IHEA	116	
Induction Tooling, Inc.	443	
Inductotherm Group	303	
Industrial Heating	120	
INEX Incorporated	622	
Inland Vacuum Industries, Inc.	739	
Innova Techno Products (P) Ltd	335	
Interpower Induction USA	243	
Ion Heat S.A.S	618	
Ipsen	701	67
J.L. Becker Co.	433	
Jackson Transformer Co.	343	
Jensen Industries Inc.	633	
Jiangsu Fengdong Thermal Technology Co., Ltd.	753	
Johnstone Co., Inc.	538	
KGO GmbH	111	
Kowalski Heat Treating Co.	732	
Kurt J Lesker	642	
L&L Special Furnace Co., Inc.	852	
Lapmaster International LLC	216	
Laserline, Inc.	514	
LECO Corporation	326	
Lindberg/MPH	519	
Linde LLC	248	
LumaSense Technologies	557	
Marathon Monitors Inc.	501	
Material Interface, Inc.	346	
Materials Camp	165	
McDaniel Advanced Ceramic Technologies	133	
McLaughlin Services LLC	649	
Measuring Instruments I Beijing Dragon Electronics	246	
Mersen USA Greenville-MI Corp	126	
Metal Treating Institute	122	
Metallurgical High Vacuum Corp.	704	
Mitutoyo America Corporation	117	
Nabertherm, Inc.	637	
Nanmac, Inc	242	
Neftec Corporation	528	
Nitrex	452	
Nitrex Metal Inc.	511	
North American Cronite	132	
Noxmat GmbH	142	
NWL, Inc.	247	
Oerlikon Leybold Vacuum	755	
Park Thermal International	211	
Phase II	742	
Phoenix TM	238	
Pillar Induction	735	
Power Parts International	110	
Praxair, Inc.	608	
Preco, Inc.	619	
Premier Furnace Specialists I BeaverMatic Inc.	353	
Pro-Tech Company Inc.	143	
Procedyne Corp.	118	

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- Atmosphere furnace
- Easy integration
- Compact footprint
- Ease of maintenance
- Energy-efficient combustion system
- Variable-speed quench agitation



TITAN[®] 2.0

Target Acquired:

- Vacuum furnace
- Compact design
- Predictive maintenance diagnostics
- Integrated framework
- Touchscreen and scrolling marquee
- Available for immediate delivery



PdMetrics[™]

Engaged:

- Software platform for predictive maintenance
- Monitors critical system elements
- Stand-alone interface screen
- Smart connectivity
- Predicts and schedules service
- Technical support via Ipsen's Service Cloud

PdMetrics[™] is only available with certain furnace models

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...because quality is critical

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- » High Pressure Gas Quenching (HPGQ)
- » Vacuum Stress Relieving

Advantages

- » Uniformity of case depths
- » Minimized distortion
- » No IGO (Intergranular Oxidation)
- » Parts returned clean, free of soot – eliminating downstream cleaning processes



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VACUUM PROCESSING
Heat Treating • Brazing
Carburizing • Nitriding

Company	Booth#	Ad Page
Proceq USA, Inc.	127	
Process-Electronic GmbH	501	
Protection Controls, Inc.	543	
Proton OnSite	229	
Pyradia	249	
Qual-Fab, Inc.	233	
Raytek Corporation	728	
Rock Valley Oil & Chemical Company	520	
Rohde GmbH	421	
Rolled Alloys	507	
Saet S.p.A.	737	
Sandvik Heating Technology USA	139	
SBS Corporation	636	
Schunk Graphite Technology	316	
Scientific Forming Technologies Corp.	352	
Seco/Warwick	527	69
Selas Heat Technology	219	
Sente Software Ltd.	121	
SGL Group-The Carbon Company	338	
Shijiazhuang Zhongqing	639	
Siemens Industry, Inc.	123	
Signature Vacuum Systems, Inc.	736	
Sinterite	433	
Solar Atmospheres	738	63, 68
Solar Manufacturing	743	62
South-Tek Systems	348	
Spectro Analytical Instruments	554	
Struers Inc.	611	
Sun-Tee Corporation	537	
Super Systems Inc.	727	
Surface Combustion, Inc.	403	
Taylor - Winfield Technologies	546	
TE Wire & Cable	617	
Tech Induction	643	
Televac	222	
Tenova Core	409	
Thermal Care, Inc.	342	
Thermcraft, Inc.	128	
Thermo Transfer Inc.	333	
Thermo-Calc Software	423	
Throughput/Bluestreak	438	
Tinius Olsen	339	
Toyo Tanso USA	310	
Toyo-Ro American Inc.	244	
Tucker Induction Systems	447	
Ulvac Technologies, Inc.	719	
United Process Controls	501	
Vac Aero International Inc.	606	
Verder Scientific, Inc.	455	
W.S. Tyler	124	
Warner Power	653	
Waukeg Engineering Co. Inc.	501	
Wellman Furnaces Inc.	327	
Williams Industrial Service	623	
Wirco Inc.	646	
WS Thermal Process Technology Inc.	419	
Yokogawa Corporation of America	521	
YRC Freight Inc.	144	
Zijiang Furnace (Nanjing) Co., Ltd	707	
Zircar Refractory Composites, Inc.	432	