



# HIGH NOON

\* WESTERN COLLECTIBLES \*

Bought & Sold:

★ Bridles	★ Belts
★ Buckles	★ Bolos
★ Clothing	★ Chaps
★ Bits	★ Spurs
★ Books	★ Saddles

(310) 202-9010 by appointment  
(310) 202-1340 (fax)

CIRCLE A-8 on READER REPLY CARD

## BALZERS

### TiCN Performance Case History

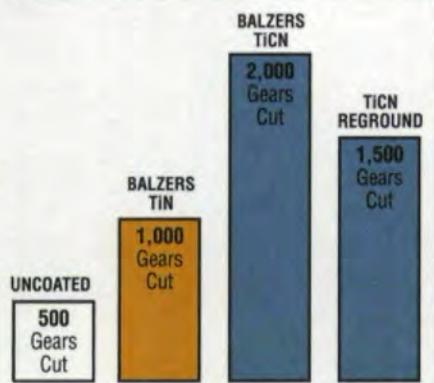
#### HOBBING

Tool:  
HSS Hob

Workpiece Material:  
AISI 5115

Performance: (Gears Cut)

Uncoated .....	500
TiN Coated .....	1,000
TiCN Coated .....	2,000
TiCN Reground ..	1,500



You've Seen The Power Of TiN Gold . . .  
Now Experience The Added  
Performance Of TiCN Blue!

Balzers Titanium Carbonitride coating (TiCN) is a high performance PVD thin film coating that represents the technology of the 90's. TiCN has features similar to TiN but with enhanced hardness, toughness and lubricity which provides many tooling applications with increased tool life and efficiencies.

The outstanding high performance of Balzers TiCN coating can clearly be seen in the gear cutting example shown here. As significant is the performance of the reground tool without the need to recoat.

#### TRIAL EVALUATION

Balzers can provide a trial evaluation coating to analyze the potential performance benefits that TiCN can provide for your gear cutting application.

Call us toll free for details at:

**800-435-5010**

Or request Balzers Application Guidelines and Case History Folder.

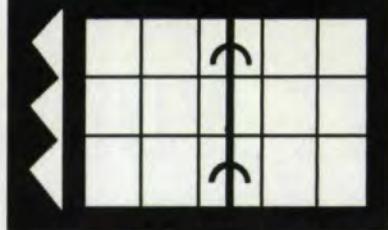
**BALZERS**  
TOOL COATING INC.

661 Erie Avenue, North Tonawanda, NY 14210  
Phone: 716-693-8557 • Fax: 716-695-1995



**Improving Your Productivity Is Our Business!®**

CIRCLE A-9 on READER REPLY CARD



## CALENDAR

### AGMA Technical Meetings

July 7-8 Flexible Couplings, Pittsburgh, PA; July 9-10 Fine Pitch Gears, Alexandria Bay, NY; July 22-23 Marine Gears, Milwaukee, WI; Aug. 27-28 Helical Rating, San Francisco, CA  
Call (703) 684-0211, AGMA Headquarters, for more details.

### JULY 22-23

CIATEQ 1st Seminar for Gear Users and Manufacturers. Holiday Inn, Queretaro, Mexico. Technical meetings, plant tours, opportunities to contact Mexican gear manufacturers. Seminars run by Dudley Technical Group covering gear failure, rating practices, heat treating, lubrication, noise, etc. For more information, contact Rodrigo Lopez (52) (42) 16 38 08 at CIATEQ A.C.

### SEPTEMBER 9-11

Gear Noise Symposium. Ohio State University, Columbus, OH. Contact Carol J. Bird, Conference Coordinator, (614) 292-3204 or Dr. Donald R. Houser at (614) 292-5860 for more information.

### OCTOBER 20-22

SME Advanced Gear Processing & Manufacturing Clinic. Ritz Carlton Hotel, Dearborn, MI. Seminars on gearing subjects. Tabletop exhibits. Contact Mike Traicoff at SME for details: (313) 271-1500, ext. 596.

### OCTOBER 26-28

AGMA Fall Technical Meeting. Baltimore, MD. For more information call (703) 684-0211.