

# Can We Use It If We Don't Abuse It?

Gear Technology is looking for some possible cover art. If you have anything that may look good on the next issue of Gear Technology please send it to us for review:

Gear Technology  
1401 Lunt Ave,  
Elk Grove Village, IL 60007



## CALENDAR

### MAY 14-16

AGMA Annual Meeting, Hyatt Regency Scottsdale, Scottsdale, AZ. This year's new workshops include "Financing a Growing Company" and "Using the Baldrige Award Criteria for TQM." For more information, contact AGMA Headquarters, (703) 684-0211.

### JUNE 3-4

AGMA Technical Education Seminars. Radisson Hotel Detroit Airport, Romulus, MI. June 3 - Gear Failure Analysis, led by Bob Errichello. June 4 - Bearing Failure Analysis, led by Chuck Moyer. For more information, contact AGMA Headquarters, (703) 684-0211.

### SEPTEMBER 9-11

Gear Noise Symposium. Ohio State University, Columbus, OH. Three-day course covering all aspects of gear noise. For more information, contact Carol J. Bird, Conference Coordinator, (614) 292-3204 or Dr. Donald R. Houser at (614) 292-5860.

### INFAC COURSE MATERIALS

Based on a course in gear design taught at Illinois Institute of Technology, this material is designed for use by instructors to develop a variety of courses, depending on time available and type of students. Materials include a detailed outline of the course, homework, examination questions and answers, viewgraphs, hard copy of texts, and other materials on the course and its presentation. For more information, contact Cynthia Spoor, INFAC, (312) 567-4615 or fax (312) 567-4329.

## BALZERS

### TiCN Performance Case History

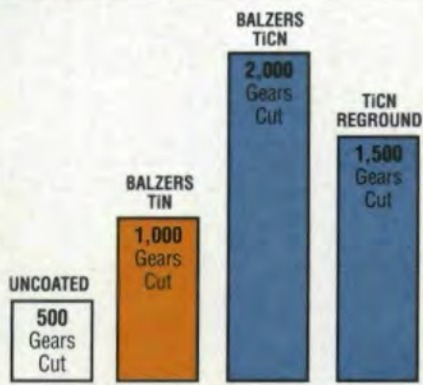
## HOBBING

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**  
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