

A/W Systems

Booth Number: B7218

Description:

A/W Systems manufactures a complete line of tooling for both straight and spiral bevel gearing. Most notable is our line of Face-Hob Cutter Bodies, which are available in all of the most common U.S. blade and size combinations (e.g. 11/64, 13/76, 17/88, 13/105, 19/105). Our In-House blade grinding capacity allows us to provide fully sharpened and coated stick blades, in M2 HSS, Rex 76, Ultra-fine grain Carbide, or any other customer desired substrate. Of course, a variety of coatings are also available.

Additionally, A/W Systems has entered into a partnership with Klingelnberg-Derlikon Tech Center to provide state-of-the-art hypoid gear tooling technology and services to the U.S. gear manufacturing market.

Our booth will display a wide variety of gear tooling, as well as provide technical materials.



Contact:
A/W Systems
 612 E. Harrison
 Royal Oak, MI 48067
 Phone: (248) 544-3852
 Fax: (248) 544-3922

Gleason Cutting Tools CORPORATION

BOOTH #B-6902

More lean, less leadtime. Gleason Cutting Tools Corporation is leading the industry in Lean Manufacturing methods and applying advanced equipment at its ultra-modern facility in Loves Park, IL to speed deliveries and improve efficiency. Today, with so much riding on shortening leadtimes and improving quality, Gleason Cutting Tools is your single best source for:

- Hobs • Shaper Cutters • Shaving Cutters • Bevel Stick Blades
- Plated CBN Wheels and Plated Diamond Rolls • Form-Relieved Milling Cutters

A host of contract services are available as well, including tool resharpening, advanced coatings, heat treat, metallurgical lab analysis, workholding repairs, pickup/delivery and technical gear schools.



4 week delivery on shaper cutters (2 weeks for PDQ shapers); 5 weeks for hobs (3 weeks for PDQ hobs)!



For more information, visit www.gleason.com

Gleason Corporation

BOOTH #B-6902

Keeping the World in Motion.™ Today Gleason stands virtually alone in its ability to deliver the complete array of technologically superior gear-producing solutions. You can see many of the latest breakthroughs up close and in action at IMTS '04, including:

- PHOENIX® II 275G Bevel Gear Grinding Machine, working in concert with Gleason-Mahr's new GMX 400 Gear Inspection Machine and GEMS (Gleason Expert Manufacturing System) software to 'close the loop' on bevel gear quality.
- P 600 G Profile Grinding Machine, using new patent-pending profile grinding software to greatly reduce non-productive time and improve quality.
- P 90 Horizontal Hobbing Machine, featuring improved direct-drive spindle performance.
- The 245TWG High Speed Threaded Wheel Grinder, making hard finishing in high volumes economical.



For more information, visit www.gleason.com

Star-SU

Booth Number: B6912



STAR-SU OFFERS A COMPREHENSIVE LINE OF GEAR MANUFACTURING EQUIPMENT:

Machine tools

Cylindrical gear hobbing
Bevel gear cutting
Shaping
Profile grinding
Continuous generating grinding
Shaving cutter grinding
Hob grinding
Universal tool grinding
Carbide tool grinding
Chamfering and deburring

Cutting tools and services

HSS and carbide hobs
Shaper cutters
Milling cutters
Rack and saw cutters
Shaving cutters
CBN profile grinding wheels
Master gears
Chamfering and deburring tools
Regrinding of gear cutting tools
Coating of gear cutting tools
Replating of grinding wheels

Pickup and delivery services Commodity Management Services

Round tools

Single and double flute gundrills
Solid carbide gundrills
Two-fluted milled style deep hole drills
Solid carbide drills and reamers
Pressure coolant drills and reamers
"PCD" drills and reamers
Integrated holder "PCD" tooling

Visit our website to download our complete program of products and find the match for your particular need.

www.star-su.com
sales@star-su.com
Phone: 847-649-1450
Fax: 847-649-0112

www.suamerica.com
www.starcutter.com
www.bourn-koch.com

See us at IMTS 2004,
in Booth 6912, North Hall

LMT-FETTE

Booth Number: E-2873

Company Profile

LMT-FETTE blends precision German engineering with application expertise resulting in hobs that maximize quality and minimize cost per part produced. LMT-FETTE's new gearing products include:

- **Chamfer Cut:** Chamfer and deburr on a hobbing machine in one setup—no secondary operations—reducing manufacturing time, capital expenditures and tooling costs.
- **Fine Pitch Micro Hob:** Hobs down to 254 DP.
- **HDR (Broach Tooth) Hobs:** Chip breakers introduced with alternating gashes—increase tool life and feed rates, while minimizing hammering effect.
- **Expansion Chucks:** Allow shank-style tools to easily adapt to machines with tool changeable arbors.
- **Grades:** Brand new materials and coatings.

All LMT-FETTE hobs are manufactured to AGMA and DIN standards. Our broad product line of hobs includes solid, HDR, finishing, multi-gash, rotary, solid carbide, skiving, and indexable carbide hobs for roughing.



Contact

LMT-FETTE, INC.
18013 Cleveland Parkway
Suite 180
Cleveland, Ohio 44135
Phone: 800-225-0852 or 216-377-6130
Fax: 216-377-0787
E-mail: lmfette@lmfette.com
Website: www.lmfette.com



Marposs Corp.

Booth Number: D4514

Need to Check Gears?

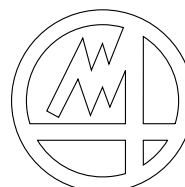
Looking for an easy, cost-effective way to check gears? The Marposs M62 bench gauge system with optional noise detection is accurate, easy to use and quickly re-toolable using ordinary hand tools. You'll save time and the cost of dedicated gauges. With the M62 you can measure:

- Radial composite deviation
- Radial runout
- Tooth to tooth radial composite deviation
- Tangential composite deviation
- Nicks
- Optional measurements include center distance, bore diameter and perpendicularity of bore to gear face.

All functional checks can be displayed on the rugged Marposs E9066 industrial PC system that offers a linear graphic display with full SPC functions.



Contact



MARPOSS

3300 Cross Creek Parkway
Auburn Hills, MI 48326-2758
1-888-627-7677 • 1-248-370-0404
Fax: 248-370-0621
E-mail: marposs@us.marposs.com
www.marposs.com

LIEBHERR GEAR TECHNOLOGY CO.



Booth Number: B7016

Sigma Pool partners Liebherr and Klingelberg will be exhibiting the following machines:

Liebherr LCS 300 CNC Generating and Profile Grinding Machine

Flexible design allows use of CBN or dressable grinding worms or wheels, *plus* an Internal grinding option

Klingelberg P26 Precision Gear Measuring Center

Increased accuracy, simpler operation and faster cycle times with an extended range of applications, including non-gear related CMM type capabilities

Klingelberg Oerlikon C 27 Spiral Bevel Gear Generator

Dry cutting excellence with extremely short cycle times, using advanced direct drive technology

Contact:

Liebherr Gear Technology Co.

1465 Woodland Drive, Saline, MI 48176

Phone: 734-429-7225 • Fax: 734-429-2294 • Email: info@lgt.liebherr.com



Liebherr LCS 300



Klingelberg P 26



Klingelberg Oerlikon C 27

GEAR TECHNOLOGY Booth Number: B7113

Get the Latest Gear Technology at the Gear Pavilion

Since 1984, the gear industry has relied on *Gear Technology* to be "The Gear Industry's Information Source," to provide top-notch technical and educational articles along with product information and news from around the world.

Like many of the gear-industry leaders you'll find at IMTS, *Gear Technology* is constantly finding new ways to improve its products to help make you more successful. In recent years, we've introduced the following innovations:

- *The Gear Industry Home Page* at www.geartechnology.com, where 30,000 visitors per month find the gear industry's most comprehensive directory of suppliers (going strong since 1996).
- *powertransmission.com*, where 40,000 visitors per month find manufacturers of gears, bearings, motors, couplings and other power transmission components (launched in 1997).
- *E-GT*, launched in 2003, is the electronic version of *Gear Technology*, now with more than 4,000 subscribers who can download each issue for free from anywhere in the world.

Come visit *Gear Technology* at IMTS 2004. We have some exciting news to share with you, including our latest innovations—new and better ways to serve you as the Gear Industry's Information Source.

Randall Publishing, Inc.
1425 Lunt Ave.
Elk Grove Village, IL 60007
Phone: (847) 437-6604
Fax: (847) 437-6618
E-mail: sales@geartechnology.com

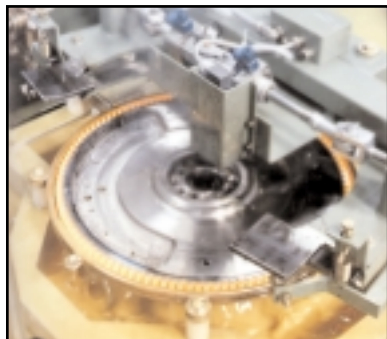
www.geartechnology.com • www.powertransmission.com





INDUCTOHEAT

An Inductotherm Group Company



Booth Number: B7153

Inductoheat Inc., Madison Heights, Michigan, and Radyne Corporation, Milwaukee, Wisconsin will showcase the latest in gear heat treating technology at IMTS 2004, including single frequency, variable frequency and Simultaneous Dual Frequency (SDF).

SINGLE FREQUENCY gear hardening for high volume dedicated applications allows for manual tuning, while VARIABLE FREQUENCY allows for tuning with a push of a button by matching frequency to a diametrical pitch.

The SDF induction gear hardening process improves quality and efficiency, yet yields better results and higher production rates than conventional heating processes. SDF is easily integrated into new or existing manufacturing lines as a flexible workcell.

In addition, Inductoheat and Radyne feature a fully functioning metallurgical laboratory and aftermarket support. They also produce induction scanners for general purpose heat treating and the Flexitune® induction heating power supply.



INDUCTOHEAT

An Inductotherm Group Company

RADYNE

An Inductotherm Group Company

Inductoheat and Radyne are Inductotherm Group companies. They will be at booth B-7153 near the Gear Pavillion.

Inductoheat, Inc.
Madison Heights, MI
Phone: 248-585-9393
Internet: www.inductoheat.com

Radyne Corporation
Milwaukee, WI
Phone: 414-481-8360
Internet: www.radyne.com



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door at

**Booth
B-6931**

2870 Wilderness Place
Boulder, CO 80301

www.kapp-usa.com

Ph: 303-447-1130
Fx: 303-447-1131

Euro-Tech Corporation

IMTS
Booth Number: E-2672

New Hydraulic Expansion Gear Arbor System

MyTec GmbH, a hydraulic expansion clamping tool manufacturer located in Germany, is pleased to introduce the new "Power Control" system for highly repeatable clamping of gears or thin-wall parts. This system consists of an internal pressure transducer and a digital readout. While all MyTec hydraulic tools are rupture proof when expanded without a part, the addition of a "Power Control" unit assures extremely repeatable clamping of thin-wall parts without distortion. The system is extremely simple to use with the operator attaching 2 magnetic "paddles" to the arbor and actuating up to a pre-specified limit on the DR0. For more information, contact Euro-Tech Corporation at (262) 781-6777 or www.eurotechcorp.com.



Contact:

N48 W14170 Hampton Ave.
Menomonee Falls, WI 53051
Phone: (262) 781-6777
Fax: (262) 781-2822
www.eurotechcorp.com
info@eurotechcorp.com