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Gear Technology

T H E N E X T P H A S E

PUBLISHER'S PAGE

This issue of *Gear Technology* marks another milestone in the life of our magazine. After publishing 51 issues — nearly 200 articles containing close to 2,500 pages — we're ready to try something new.

This issue contains our first-ever Buyer's Guide. This advertising directory, arranged by company name and by product/service categories, is another move on our part to provide you, our readers, with important information about the gear and gear products industries.

With that goal in mind, we have included in the guide not only information about our advertisers — some of the biggest names in gear machines and tooling, as well as other firms providing services to the industry — but also a list of gear schools and other informational and educational opportunities. We have also printed, at the request of many of our loyal readers, a complete index of articles which have appeared in *Gear Technology* arranged by subject, providing a comprehensive index of some of the most important gear research of the last decade. All this extra information was provided in the hope that The Buyer's Guide will be an important reference you will use again and again.

Please take the time to look through The Buyer's Guide carefully. Let us — and our advertisers — know whether you have found it useful. If you have suggestions about things you'd like to see included in next year's guide, or things you'd like to see us do differently, please let us know. Our goal is to make The Buyer's Guide a key source of information for the gear industry. We welcome your suggestions about ways to make *Gear Technology* and The Buyer's Guide even more useful to you.

Michael Goldstein,

Publisher/Editor-in-Chief

1993 Buyer's Guide

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Contact: Jean Ewald

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"Basic Gear Theory"
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Contact: Faydor L. Litvin

"Gear Design with Computer *Applications*"
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FAX (319) 277-4236
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"Comparing Surface Failure Modes in Bearings & Gears." Moyer, July/Aug. 1992.

"Predicted Effect of Dynamic Load on Pitting Fatigue Life for Low-Contact-Ratio Spur Gears." Lewicki, Mar./Apr. 1989.

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"Appreciable Increases in Surface Durability of Gear Pairs with a Mirror-Like Finish." Tanaka, Ishibashi & Ezoe, Mar./Apr. 1987.

"Deburring and Finishing Gears with Power Brushes." Pishek, Mar./Apr. 1989.

"Finishing Gears by Ausforming." Amateau & Cellitti, Nov./Dec. 1987.

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"Precision Forged Spiral Bevel Gears." Badawy, Raghupathi, Horvat & Ostberg, Aug./Sept. 1984.

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"Application of Miner's Rule to Industrial Gear Drives." McVittie & Errichello, Jan./Feb. 1990.

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"Achievable Carburizing Specifications." Kern, Jan./Feb. 1990.

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"White Etching Areas on Case-hardened Gears." Winter, Knauer & Gamel, Sept./Oct. 1989.

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"Practical Optimization of Helical Gears Using Computer Software." Sansalvador & Jauregui C., May/June 1993.

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R. S. # A-47

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R. S. # A-12

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R. S. # A-6

MTM KÖNIG
Main-Tauber-Maschinenbau GmbH, Am Stammholz, Wertheim, Germany D97877. (49) 9342 876 14 FAX(49) 9342 876 25. Contact: Horst König.
R. S. # A-14

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GEAR PRODUCTS INDEX

This is an advertising directory and is not to be construed as a comprehensive listing. For more information about a specific supplier, circle the reader service number on one of the response cards located on pages 9 or 41.

BROACHING EQUIPMENT

ELMASS NORTH AMERICA, INC.
N. 114 W. 19320 Clinton Dr., Germantown, WI 53022. (414) 255-5644 FAX (414) 255-6509. Contact: Markus Meinhardt.
R. S. # A-34

National Broach & Machine Co.

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NORMAC, INC.
Airport Road Industrial Park, Arden, NC 28704. (704) 684-1002 FAX (704) 684-1384. Contact: R. M. Bodie.
R. S. # A-15

GEAR BLANKS — BRONZE

ACCURATE SPECIALTIES INC.
N12 W24360 Bluemound Rd., Waukesha, WI 53188. (414) 547-5450 FAX (414) 547-5892. Contact: Greg Wilkey.
R. S. # A-38

GEAR CUTTING TOOLS

GMI
6708 Ivandale Rd., Independence, OH 44131. (216) 642-0230 FAX (216) 642-0231. Contact: Bill McElroy.
R. S. # A-51

ITW Components and Tools

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- Master Gears
- Shaper Cutters
- Spiroid Gears
- Components

ITW Components and Tools
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R. S. # A-29

Roto-Flo Spline Rolling Machines & Tools

Gear Shaving Cutters

Gear Hones

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R. S. # A-35

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R. S. # A-19

PFAUTER-MAAG CUTTING TOOLS, LIMITED PARTNERSHIP
1351 Windsor Rd., Loves Park, IL 61111. (815) 877-8900 FAX (815) 877-0264. Contact: Jerry D. Knoy.
R. S. # A-2

STARCUT SALES
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R. S. # A-4

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R. S. # A-37

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GMI
6708 Ivandale Rd., Independence, OH 44131. (216) 642-0230 FAX (216) 642-0231. Contact: Bill McElroy.
R. S. # A-51

MITSUBISHI MACHINE TOOL USA, INC.
907 W. Irving Park Rd., Itasca, IL 60143. (708) 860-4222 FAX (708) 860-4233. Contact: Rick Reenan.
R. S. # A-50

MOORE PRODUCTS CO.
Sumneytown Pike, Springhouse, PA 19477. (215) 646-7400 FAX (215) 283-6358. Contact: Matt Thompson.
R. S. # A-5

NATIONAL BROACH AND MACHINE CO.
17500 Twenty Three Mile Road, Macomb, MI 48044. (313) 263-0100 FAX (313) 263-4571. Contact: Ray Wagner.
R. S. # A-19

NIAGARA GEAR CORP.
941 Military Road, Buffalo, NY 14217-2590. (716) 874-3131 FAX (716) 874-9003. Contact: Dennis Klimko.
R. S. # A-23

NORMAC, INC.
Airport Road Industrial Park, Arden, NC 28704. (704) 684-1002 FAX (704) 684-1384. Contact: Ray Bodie.
R. S. # A-15

PARKER INDUSTRIES, INC.
1650 Sycamore Ave., Bohemia, NY 11716. (516) 567-1000 FAX (516) 567-1355. Contact: George Parker.
R. S. # A-9

PFAUTER-MAAG CUTTING TOOLS LIMITED PARTNERSHIP
1351 Windsor Road, Loves Park, IL 61111. (815) 877-8900 FAX (815) 877-0264. Contact: Jerry Knoy.
R. S. # A-2

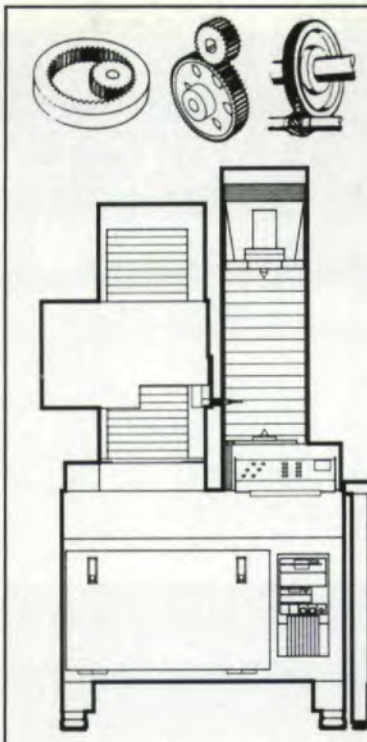
REDIN CORPORATION
1817 18th Avenue, Rockford, IL 61104. (815) 398-1010 FAX (815) 398-1055. Contact: Fred Johnson.
R. S. # A-21

REISHAUER CORP.
1525 Holmes Road, Elgin, IL 60123. (708) 888-3828 FAX (708) 888-0343. Contact: Dennis Richmond.
R. S. # A-42

ROTO-TECHNOLOGY
351 Fame Road, Dayton, OH 45449-2388. (513) 859-8503 FAX (513) 859-0656. Contact: Esther Munsey
R. S. # A-17

RUSSELL, HOLBROOK & HENDERSON
Two North St., Waldwick, NJ 07463. (201) 670-4220 FAX (201) 670-4266. Contact: Kazunobu Agu.
R. S. # A-16

STAR CUTTER COMPANY
23461 Industrial Park Drive, Farmington Hills, MI 48335. (313) 474-8200 FAX (313) 474-9518. Contact: Bill Maples.
R. S. # A-4



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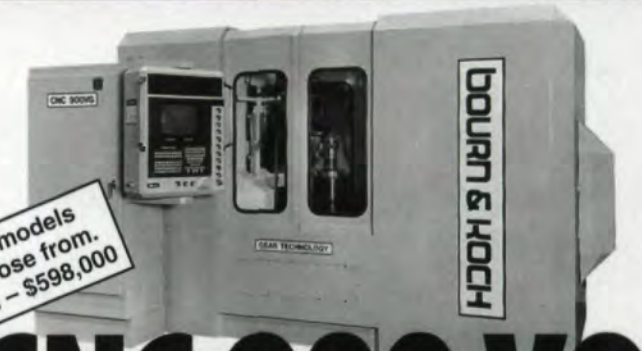

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Holland, MI 49423
Ph: 616-392-1461

R. S. # A-52

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1351 Windsor Rd., Loves Park, IL 61111-4294. (815) 282-3000 FAX (815) 282-3075. Contact: Robert A. Dunlap.
R. S. # A-1

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1351 Windsor Rd., Loves Park, IL 61111-4294. (815) 282-3000 FAX (815) 282-3075. Contact: Robert A. Dunlap.
R. S. # A-1

CHUN YANG INDUSTRIAL CO., LTD.
No. 10 Lane 126, Sec. 3, Chung Yang Rd., Tu-Cheng Shiang, Taipei Hsien, Taiwan, R.O.C. 886-2-2603681 FAX 886-4-532-0394, 886-2-262-3025. Contact: Victor Wang.
R. S. # A-39

MITSUBISHI MACHINE TOOL USA, INC.
907 W. Irving Park Rd., Itasca, IL 60143. (708) 860-4222 FAX (708) 860-4233. Contact: Rick Reenan.
R. S. # A-50

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R. S. # A-49

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R. S. # A-6

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1351 Windsor Rd., Loves Park, IL 61111-4294. (815) 282-3000 FAX (815) 282-3075. Contact: Robert A. Dunlap.
R. S. # A-1

MITSUBISHI MACHINE TOOL USA, INC.
907 W. Irving Park Rd., Itasca, IL 60143. (708) 860-4222 FAX (708) 860-4233. Contact: Rick Reenan.
R. S. # A-50

GEAR TESTERS

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R. S. # A-6

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2925 Huntleigh Drive, #200, Raleigh, NC 27604. (919) 954-1752 FAX (919) 954-1869. Contact: Caroline Ellison.
R. S. # A-40

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R. S. # A-24

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R. S. # A-41

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ABAR IPSEN INDUSTRIES
3260 Tillman Drive, Bensalem, PA 19020. (800) 374-7736, (215) 244-4900 FAX (215) 244-7954. Contact: Tom Farrell.
R. S. # A-47

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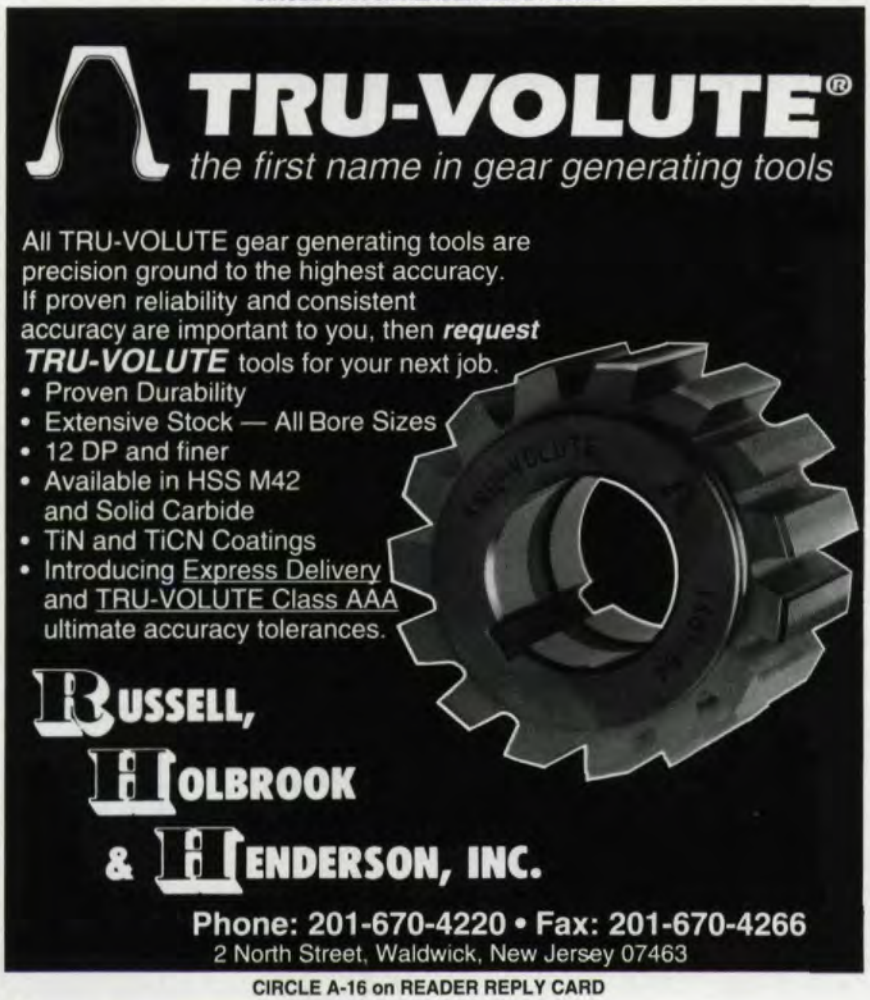

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GEAR PRODUCTS

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32251 N. Avis Dr., Madison Heights, MI 48071. (800) 624-6297, (313) 585-9393 After Dec. 1, 810 area code. FAX (313) 589-1062. Contact: Sales Dept.
R. S. # A-44

PILLAR INDUSTRIES
N92 W15800 Megal Drive, Menomonee Falls, WI 53051. (414) 255-6470 FAX (414) 255-0359. Contact: Frank Wilson.
R. S. # A-45

SURFACE COMBUSTION, INC.
1700 Indian Wood Circle, Maumee, OH 43537. (419) 891-7150, (800) 537-8980 FAX (419) 891-7151. Contact: David L. Hughes.
R. S. # A-46

METRIC GEAR CATALOG

R. S. # A-48

MILLING CUTTERS

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R. S. # A-4

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SERVICE INDEX

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CONSULTANTS

ACCU-PROMPT INC./
KLEISS ENG.
100 83rd Ave. NE, Suite 101, Fridley, MN 55432. Phone/FAX (612) 483-0461.Contact: Rod Kleiss.
R. S. # A-26

FORGINGS

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R. S. # 19

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R. S. # A-7

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ELTECH INC.
9841 York Alpha Dr., North Royalton, OH 44133. (216) 582-8195 FAX (216) 582-8226. Contact: Ernst A. Loffelmann or Harry D. Salverson
R. S. # A-31

IMPORT AGENTS

Lorenz Shaper Cutters:
STARCUT SALES
P.O. Box 376, Farmington, MI 48332-0376. (313) 474-8200 FAX (313) 474-9518. Contact: Pat Drumm.
R. S. # A-32

INSPECTION EQUIPMENT REPAIRS

PRECISE INSPECTION
27380 Gratiot Ave., Roseville, MI 48066. (313) 445-6959, (313) 775-3334 FAX (313) 775-3334 #7. Contact: W. Schippert.
R. S. # A-28

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SERVICE INDEX

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Our contact in Finland
ATA Osakeyhtiö
Mr. V-M. Kosmaa
P. O. Box 210
SF-33101 Tampere, Finland
Tel +358-31-620100, Fax +358-31-620457

R. S. # 33

HALIFAX RACK & SCREW CUTTING CO.
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