“I don’t always buy workholding but when I do, I prefer König”

“Stay Productive, My Friends”

konig
Innovative Workholding

Toolink Engineering, Inc.
www.toolink-eng.com
6595 Odell Place, Suite I
Boulder, CO 80301
303-776-6212
GREAT IDEA!
Precision Products for Gear Manufacturing

Toolink Engineering, Inc.
www.toolink-eng.com
303-776-6212
Don’t Settle for Less

The Phoenix® 280G Bevel Gear Grinding Machine is the industry benchmark for the ultra-fast production of high-quality automotive and light truck bevel gears. It’s reliable and easy to operate, available with high-speed loader, and can be directly networked through Gleason Closed Loop.

www.gleason.com/280G
When it comes to gear manufacturing, it’s not just about what you do, but also who you know. Identifying quality sources for equipment, services, and tooling is a critical component of your overall business plan, but it can be a time-consuming task. That’s why we publish the Gear Solutions Buyer’s Guide each year: to help you connect with the suppliers you need as well as to steer companies who require the machines, materials, products, and capabilities you provide. We have compiled the most complete source listing available and presented this information in a way that is accessible, convenient, and informative.
Manufacturers of:

**Broaches**
- Spline Broaches
- Fine Pitch Gear Broaches
- Form Broaches
- Serration Broaches
- Bearing Cage Broaches

**Shaper Cutters**
- Disk Shapers
- Shank Shapers
- Hex and Square Cutters
- Special Form Cutters

**Inspection**
- Master Gears
- Go-No Go Gages
- Posiloc Arbors
- “Quick Spline” Software
ARTICLES

NOVEMBER 2019 • VOLUME 16, NUMBER 11

HELLER MACHINE TOOLS

MACHINES PROFILE  Heller Machine Tools develops and produces state-of-the-art machine tools and entire production systems for metal-cutting processes that are designed “to last forever.”

DONTYNE GEARS

SERVICES PROFILE  Dontyne Gears pursues principles in design and machining techniques that are not yet part of the main-stream industry in order to gain a competitive advantage.

ADVENT TOOL & MANUFACTURING

TOOLING PROFILE  Advent Tool & Manufacturing supplies machine shops and manufacturers across the globe with solid carbide, inserted thread mills, and custom form mills designed and manufactured to specifically meet its customers’ machining needs.

ADAM GIMPERT

Q&A  The business manager for Helios Gear Products says “Helios means equipping manufacturers with machines and tools to make profitable gears … We strive to ‘shed light’ on the path to profitable production for gear manufacturers, so they can compete in the global arena.”

RESOURCES  MARKETPLACE  ADVERTISER INDEX

COVER PHOTO: SHUTTERSTOCK / ILLUSTRATION BY RICK FRENNEA

Gear Solutions (ISSN 1933 - 7507) is published monthly by Media Solutions, Inc., 266D Yeager Parkway, Pelham, AL 35124. Phone (205) 380-1573 Fax (205) 380-1580 International subscription rates: $72.00 per year. Periodicals Postage Paid at Pelham AL and at additional mailing offices. Printed in the USA. POSTMASTER: Send address changes to Gear Solutions magazine, P.O. Box 1210, Pelham, AL 35124. Publications mail agreement No. 41395015 return undeliverable Canadian addresses to P.O. Box 503 RPO West Beaver Creek, Richmond Hill, ON L4B4R6. Copyright ©2006 by Media Solutions, Inc. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage-and-retrieval system without permission in writing from the publisher. The views expressed by those not on the staff on Gear Solutions magazine, or who are not specifically employed by Media Solutions, Inc., are purely their own. All “Industry News” material has either been submitted by the subject company or pulled directly from their corporate website, which is assumed to be cleared for release. Comments and submissions are welcome, and can be submitted to editor@gearsolutions.com.
The 2020 Buyer’s Guide: Your go-to source

It’s November, and for us at Gear Solutions, it can only mean one thing: our annual Buyer’s Guide is here.

Each November, Gear Solutions magazine publishes comprehensive company listings as a resource to the gear manufacturing industry. Make sure you keep this special issue close throughout 2020 as your go-to guide for companies offering machines, tooling, and services.

We work hard to maintain this constantly changing list each year, adding contacts we’ve made through industry events, advertising, and editorial submissions. These connections are important to us — whether it’s through advertising or articles that highlight the latest technology, processes, applications, and products.

A unique company profile kicks off each section. Take some time to acquaint yourself with the knowledge and experience each company brings to the table when it comes to machines, tooling, and services.

As you read through the profiles and the listings that follow, take note that we’ve given special attention to the companies that have a community storefront on gearsolutions.com. If you’d like to know more about those companies, head to the gearsolutions.com community page.

I hope you find the articles interesting and informative and see our Buyer’s Guide for the useful resource we intend it to be in order to help you with your purchasing decisions.

And if your company isn’t listed, send me an email at kenneth@gearsolutions.com with your information and category, and we will make sure you get added.

As always, thanks for reading and letting us be a valuable source for you and the rest of the gear industry!
FELLOWS 50-8/50-12 GEAR SHAPERS
HYDROSTROKE SHAPERS • REMANUFACTURED IN 2017

We have the world’s largest stock of used late-model Fellows Gear Shapers.

WE OWN WHAT WE SELL, AND WE KNOW WHAT WE’RE SELLING!
Heller Machine Tools develops and produces state-of-the-art machine tools and entire production systems for metal-cutting processes.

By KENNETH CARTER, Gear Solutions editor

Heller Machine Tools is known for two things: its machines and its engineering solutions.

Heller offers a wide range of horizontal machining centers used in a plethora of industries, and it’s not just the machines that make Heller stand out. It’s also the company’s engineering department that is — in a word — awesome.

“Experts is the word I would use,” said David Mondek, marketing manager with Heller Machine Tools. “Everyone compliments it. All the big players that we’re partnered with that buy our machines — everyone compliments our engineering.”

Heller’s engineering team develops solutions that others often cannot solve, according to Mondek.

“It’s partly because our engineering team are truly experts,” he said. “And then also our machines are very rigid. They are very dependable — our machines are not designed to be used and thrown away. They’re designed to last a very long time.”

MACHINES

Heller Machine Tools builds horizontal machining centers as well as special purpose machining centers. They specialize in 4-axis and 5-axis CNC machining centers, CNC mill/turning centers, CNC machines for crankshaft and camshaft machining, flexible manufacturing systems, and a modular range of services.

“We make all specialty machines for milling internal and external crank shafts, cam shafts, and the specialty machines for different purpose cutting,” Mondek said.

With an impressive lineup of machinery and a top-notch engineering department, Heller Machine Tools is poised to bring the best solutions to its customers quickly and efficiently, according to Mondek.

SOLVING THE CUSTOMERS’ NEEDS

“It starts with visiting the customer,” he said. “We have a full engineering team that gets involved. We talk to the customer, find out their problem, what they’re truly struggling with, and then we bring that problem in-house. We learn their current manufacturing process and take all of the notes of their processes, cutting times, and everything else involved with that and bring it to our engineering team here.”

Heller’s U.S. team — which has engineers who have worked in the industry for more than 40 years — will search for ways to reduce cutting times or simplify the overall process and, most importantly, solve the customer’s problems, according to Mondek.
“We are backed up by our massive engineering team in Germany who has been doing this forever,” he said. “When the teams come together, the brain power, in most cases, comes up with a new solution for customers that betters their current processes, whether it’s us reconfiguring their process to save them time on part cutting or introducing new machines into their facility that will reduce times or cut parts better and faster.”

MACHINE REBUILDS
And because Heller’s machines are so durable, companies who use them often end up having older machines rebuilt instead of replacing them, according to Mondek.

“Most of our machines out there, a lot of them have been cutting for many years, so we rebuild them,” he said. “We have a whole rebuild and retrofit department. Our machines are built to last. Even after 20 years, they’ll be rebuilt instead of replaced. They’re built to last for accuracy and dependability.”

As the gear-manufacturing industry has evolved, Heller Machine Tools has found innovative ways to keep up with the industry’s ever-changing world.

“We’ve teamed up with a key automotive OEM,” Mondek said. “It’s a big partnership for cylinder bore coating.”

The automotive industry is always looking for ways to make parts lighter while keeping them durable such as using aluminum for engine blocks, according to Mondek. Heller Machine Tools has developed a process that sprays aluminum cylinders instead of sleeving them.

“We have a patented technology where we ‘spray’ them with steel,” he said. “With our process, it lengthens the lifespan of the engine as well as increasing fuel efficiencies and efficiency overall.”

Heller is also working on advancing Industry 4.0 with a team in Germany by finding ways to improve machine processes through information, according to Mondek.

“You’re seeing the Industry 4.0 gathering information to detect future problems and stop them before they happen,” he said. “We have a dedicated team that is heavily involved with that.”

Part of that research team is also looking into how additive manufacturing will factor into Heller’s overall business model, according to Mondek.

WORKING WITH MULTIPLE COMPANIES
Mondek is proud to point out that Heller does a lot of work with a myriad of companies that include Daimler, Caterpillar, and several within the oil and gas industry.

“We can’t talk about some of the customers as of yet, but we’ve had some recent big wins in that industry,” he said.

And this year, Heller was awarded the GM Supplier of the Year award for the third year in a row, according to Mondek.

“That was a big honor for us,” he said. “We are one

Right: Heller H Series: 4-Axis Horizontal milling of Pumps/valves. Because Heller’s machines are so durable, companies that use them often end up having older machines rebuilt instead of replacing them. (Courtesy: Heller Machine Tools)
of the only machine tool manufacturers that has been awarded this honor."

**FOUNDED IN 1894**

This year — 2019 — marks the 125th anniversary for Heller Machine Tools, according to Mondek.

In 1894, 25-year-old Hermann Heller established Hermann Heller Handelsgeschäft und Produktion von geschützten Artikeln und Uhrmacherwerkzeug in Nürtingen, Germany, where he traded and manufactured patented products and watchmaker tools. In the beginning, the company traded and manufactured a diverse range of tools, including parallel jaw vices in enhanced design, which were in high demand at the time.

Heller's headquarters is still in Nürtingen and is considered a medium-sized family-owned business, according to Mondek.

“They started out with just a handful of employees, and today there are over 2,900 employees globally,” he said.

Heller Machine Tools has manufacturing facilities in Troy, Michigan; Brazil; Germany; China; and the U.K., according to Mondek. The company has been in the U.S. since 1982.

**EXPANSION**

“Our main focus has always been automotive and heavy industry, but now we’re growing into aerospace, oil, gas, and power generation,” he said. “We’re broadening the focus of the company in the U.S.”

A big reason for that is Heller is changing the focus as to how it goes to market in the U.S., according to Mondek. “It’s always been a direct company — direct selling of the machines,” he said. “As of 2019, we have changed and added a distribution network.”

Within that model, Heller has taken on four key distribution partners: Ellison Technologies, Maruka, Ellison Machinery, and Compumachine.

As the industry moves into the future and as Heller expands, Mondek stressed the company’s place in the industry will continue to remain strong. “We do not see heavy industry going away ever,” he said. “Even if it goes to battery power, you’re still going to have all the components within all the giant tractors and trucks and everything else.”

And with the company’s movement into a distribution model, Mondek expects the Heller name to become even more common within the gear community. “Our distribution partners have a lot of contacts in the gear industry,” he said. “Just going into that, I think our name will pop up more often in the near future.”

**MORE INFO**
[www.heller-us.com](http://www.heller-us.com)
### Community Storefront

In the following company listings, the special shaded boxes around some listings denote a company that participates in our gearsolutions.com community storefront. A storefront includes bonus exposure on our website including a profile of your company, integration with your social media pages, your company’s logo, and videos, all in a customized design. Plus, your company will receive exclusive inclusion on our Gear Solutions mobile app. To learn more about how your company can benefit from a gearsolutions.com community storefront, contact Chad Morrison at (800) 366-2185 ext. 202 or chad@gearsolutions.com.

### Machines

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>City, State, Zip</th>
<th>Phone Numbers</th>
<th>Website</th>
<th>Contact Information</th>
<th>Industries</th>
<th>Special Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accu-Cut Diamond Tool Co.</td>
<td>4238-40 N. Sayre</td>
<td>Norridge, IL 60706</td>
<td>(708) 457-8800</td>
<td><a href="http://www.accucutdiamond.com">www.accucutdiamond.com</a></td>
<td></td>
<td>Boring Tools</td>
<td></td>
</tr>
<tr>
<td>Accura Technics, LLC</td>
<td>36 Sword St.</td>
<td>Auburn, MA 01501</td>
<td>(508) 754-2739</td>
<td><a href="http://www.accuratechnics.com">www.accuratechnics.com</a></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acieta</td>
<td>N25 W23790 Commerce Circle, Suite F</td>
<td>Waukesha, WI 53188</td>
<td>(262) 953-6200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADF Systems, Ltd.</td>
<td>P.O. Box 278 • Humboldt, IA 50548</td>
<td>(800) 959-1191, (515) 332-5400</td>
<td></td>
<td><a href="http://www.adfsys.com">www.adfsys.com</a></td>
<td></td>
<td>Automation</td>
<td></td>
</tr>
<tr>
<td>AFC-Holcroft</td>
<td>49630 Pontiac Trail</td>
<td>Wixom, MI 48393</td>
<td>(248) 624-8191</td>
<td><a href="http://www.afc-holcroft.com">www.afc-holcroft.com</a></td>
<td></td>
<td>Heat Treating</td>
<td></td>
</tr>
<tr>
<td>ALD-Holcroft</td>
<td>49630 Pontiac Trail • Wixom, MI 48393</td>
<td></td>
<td></td>
<td><a href="http://www.ald-holcroft.com">www.ald-holcroft.com</a></td>
<td></td>
<td>Heat Treating</td>
<td></td>
</tr>
<tr>
<td>ALMCO KleenTec, Inc.</td>
<td>507 West Front St. • Albert Lea, MN 56007</td>
<td>(800) 521-2740, (507) 377-2102</td>
<td></td>
<td><a href="http://www.almco.com">www.almco.com</a></td>
<td></td>
<td>New Equipment - Deburring, Finishing, Parts Washing</td>
<td></td>
</tr>
<tr>
<td>American Broach &amp; Machine Co.</td>
<td>575 South Mansfield St.</td>
<td>Ypsilanti, MI 48197</td>
<td>(734) 961-0300</td>
<td><a href="http://www.americanbroach.com">www.americanbroach.com</a></td>
<td></td>
<td>New Equipment Manufacturer</td>
<td></td>
</tr>
<tr>
<td>American Stress Technologies, Inc.</td>
<td>540 Alpha Dr. • Pittsburgh, PA 15328</td>
<td>(412) 784-8400</td>
<td></td>
<td><a href="http://www.astressotech.com">www.astressotech.com</a></td>
<td></td>
<td>New Equipment - Metrology</td>
<td></td>
</tr>
<tr>
<td>ANCA, Inc.</td>
<td>31129 Century Dr. • Wixom, MI 48393</td>
<td>(248) 926-4466</td>
<td></td>
<td><a href="http://www.anca.com">www.anca.com</a></td>
<td></td>
<td>New Equipment - Grinding</td>
<td></td>
</tr>
<tr>
<td>Banyan Global Technologies</td>
<td>20836 Hall Rd., Ste. 156</td>
<td>Clinton Twp., MI 48038</td>
<td>(888) 247-7933</td>
<td><a href="http://www.banyangt.com">www.banyangt.com</a></td>
<td></td>
<td>Gear Cutting Tools</td>
<td></td>
</tr>
<tr>
<td>BOS Services Company</td>
<td>4741 East 355th St.</td>
<td>Willoughby, OH 44094</td>
<td>(440) 946-5101</td>
<td><a href="http://www.bosservicesheattreating.com">www.bosservicesheattreating.com</a></td>
<td></td>
<td>Heat Treating</td>
<td></td>
</tr>
<tr>
<td>Bourn &amp; Koch, Inc.</td>
<td>2500 Kishwaukee St. • Rockford, IL 61104</td>
<td>(815) 965-4013</td>
<td></td>
<td><a href="http://www.bourn-koch.com">www.bourn-koch.com</a></td>
<td></td>
<td>New Equipment Manufacturer</td>
<td></td>
</tr>
<tr>
<td>Broaching Machine Specialties Company</td>
<td>25180 Seeley Rd. • Machesney Park, IL 61115</td>
<td></td>
<td></td>
<td><a href="http://www.broachingmachine.com">www.broachingmachine.com</a></td>
<td></td>
<td>Broaches - Tool Sharpening</td>
<td></td>
</tr>
<tr>
<td>C &amp; B Machinery</td>
<td>12001 Globe St.</td>
<td>Livonia, MI 48150</td>
<td>(734) 462-0600</td>
<td><a href="http://www.cbmachinery.com">www.cbmachinery.com</a></td>
<td></td>
<td>New Equipment - Grinding</td>
<td></td>
</tr>
<tr>
<td>Carboline</td>
<td>110 South Second St. • Watertown, WI 53094</td>
<td>(920) 264-0240</td>
<td></td>
<td><a href="http://www.carbolite.us">www.carbolite.us</a></td>
<td></td>
<td>New Equipment - Heat Treating</td>
<td></td>
</tr>
<tr>
<td>Carl Zeiss IMT Corp.</td>
<td>6250 Sycamore Lane N.</td>
<td>Maple Grove, MN 55369</td>
<td>(763) 744-2400</td>
<td><a href="http://www.zeiss.com">www.zeiss.com</a></td>
<td></td>
<td>New Equipment - Metrology</td>
<td></td>
</tr>
<tr>
<td>CEIA-USA</td>
<td>9155 Dutton Dr. • Twinsburg, OH 44087</td>
<td>(330) 405-3190</td>
<td></td>
<td><a href="http://www.ceia-usa.com">www.ceia-usa.com</a></td>
<td></td>
<td>New Equipment - Induction Heating</td>
<td></td>
</tr>
<tr>
<td>Centric International, Inc.</td>
<td>222 E. Pearson, Ste. 1706</td>
<td>Chicago, IL 60611</td>
<td>(312) 337-5449</td>
<td><a href="http://www.centric-intl.com">www.centric-intl.com</a></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chamfermatic, Inc.</td>
<td>7842 Burden Rd. • Machesney Park, IL 61115</td>
<td>(815) 636-5082</td>
<td></td>
<td><a href="http://www.chamfermatic.com">www.chamfermatic.com</a></td>
<td></td>
<td>New Equipment - Deburring Machines</td>
<td></td>
</tr>
<tr>
<td>CenMachinery Sales, Inc.</td>
<td>2430 E. Monroe</td>
<td>Phoenix, AZ 85034</td>
<td>(602) 244-1507</td>
<td><a href="http://www.cencmach.com">www.cencmach.com</a></td>
<td></td>
<td>Used Machinery</td>
<td></td>
</tr>
<tr>
<td>Colonial Tool Group, Inc.</td>
<td>1691 Walker Rd. • Windsor, ON 8W 3P1</td>
<td>Canada</td>
<td>(519) 253-2461</td>
<td><a href="http://www.colonialtool.com">www.colonialtool.com</a></td>
<td></td>
<td>New Equipment Manufacturer</td>
<td></td>
</tr>
<tr>
<td>Contour Hardening, Inc.</td>
<td>8401 Northwest Blvd.</td>
<td>Indianapolis, IN 46278</td>
<td>(317) 876-1530</td>
<td><a href="http://www.contourhardening.com">www.contourhardening.com</a></td>
<td></td>
<td>New Equipment - Induction Hardening</td>
<td></td>
</tr>
<tr>
<td>Cosen Saws USA</td>
<td>4527 Dwight Evans Rd. • Charlotte, NC 28217</td>
<td>(877) SAWING1</td>
<td></td>
<td><a href="http://www.cosen.com">www.cosen.com</a></td>
<td></td>
<td>New Equipment - Band Saws</td>
<td></td>
</tr>
<tr>
<td>Custom Electric Manufacturing Co.</td>
<td>48941 West Rd.</td>
<td>Wixom, MI 48393</td>
<td>(248) 305-7700</td>
<td><a href="http://www.custom-electric.com">www.custom-electric.com</a></td>
<td></td>
<td>Heat Treating</td>
<td></td>
</tr>
</tbody>
</table>

---

**MACHINES**
We know high quality gears and components are vital to performance. Our leading edge vacuum technology and expertise provides precise control and repeatability for consistently superior parts.

- Low Pressure Vacuum Carburizing (LPVC)
- Vacuum Gas Nitriding
- Vacuum Stress Relieving
- High Pressure Gas Quenching (HPGQ)

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

For more information or a quote, call 1-855-WE-HEAT-IT or visit solaratm.com
No Money for Capital Equipment Purchases? NO PROBLEM!

REPOWER

SIGMA 3

REPOWERED BY Penta Gear
- Analytical Inspection Machine
- Roll Testers
- Single Flank
- DOB Inspection Gauges

PENTA GEAR METROLOGY
a brand of KAPP NILES

6161 Webster St. Dayton, OH • Tel: 937-660-8182 • Fax: 937-660-4521 • Sales@Pentagear.com • gearinspection.com
Euro-Tech Corporation
N48 W14170 Hampton Ave.
Menomonee Falls, WI 53051
(262) 781-6777
www.eurotechcorp.com
Cutting Tool Inspection - Workholding

Extrude Hone Corp.
235 Industry Blvd. • Irwin, PA 15642
(724) 863-5900
www.extrudehoneafm.com
Gear Bore & Finishing Tools

Faro Technologies, Inc.
250 Technology Park • Lake Mary, FL 32746
(800) 736-0234
www.faro.com
New Equipment - Portable CMMs

Fässler by Daetwyler Industries
13420 Reese Blvd. West
Huntersville, NC 28078
(414) 769-0072
www.daetwyler.com/industries/
New Equipment - Honing - Broaching

Felsomat USA, Inc.
1700 N. Penny Lane • Schaumburg, IL 60173
(847) 995-1086
www.felsomat.com
New Equipment Manufacturer

Furnaces, Ovens & Baths, Inc.
4790 White Lake Rd. • Clarkston, MI 48346
(248) 625-7400
www.fobinc.com
New Equipment - Heat Treating

Gear Works, Inc.
76 Pearl St. • Springfield, VT 05156
(802) 885-5039
www.gear-shaping.com
Used Machinery

Georg Kesel GmbH & Co. KG
Maybachstraße 6
87437 Kempten, Germany
49 831-25288-0
www.kesel.com
New Equipment Manufacturer

Gibbs Machinery Co.
21500 Hoover Rd.
Warren, MI 48089
(586) 755-5353
www.gibbsmachinery.com
Used Machinery

Giuliante Machine Tool, Inc.
12 John Walsh Blvd.
Peebles, NY 10566
(914) 835-0008
www.gmtgear.com
New Equipment - Metrology

Gleason Corporation
1000 University Ave.
Rochester, NY 14692
(585) 473-1000
www.gleason.com
New Equipment Manufacturer

Gleason Metrology Systems
300 Progress Rd.
Dayton, OH 45449
(937) 859-8273
www.gleason.com
New Equipment - Metrology

Gleason-Hurth Maschinen und Werkzeuge GmbH
Moosacher Str.
München, D-80809 • Germany
49 89 35401 0
www.gleason.com
New Equipment Manufacturer

Gleason-Pfauter Maschinenfabrik GmbH
Daimlerstrasse 14
Ludwigshurg, D-71636 • Germany
49 7141 4040
www.gleason.com
New Equipment Manufacturer

Gleason-Pfauter Maschinenfabrik GmbH
PO Box 152
Studen, CH-2557 • SWITZERLAND
41 32 3666171
www.gleason.com
New Equipment Manufacturer
**FORGING AHEAD OF THE PACK**

**McINNES ROLLED RINGS**

**MACHINES**

**FORGING**

**AHEAD OF THE PACK**

**Fast. No Fine Print. No Premium.**

At McInnes Rolled Rings, we provide quality products, shipped fast. And we partner that with exceptional customer service to forge the perfect partnership with our customers.

1.877.695.0301  www.McInnesRolledRings.com

---

**GMTA (German Machine Tools of America)**

4630 Freedom Dr.
Ann Arbor, MI 48108
(734) 973-7800
www.gmtamerica.com

New Equipment Manufacturer

**GQ Machinery**

1 McCarthy Ct.
Farmingdale, NY 11735
(516) 867-4040
www.gqmachinery.com

Used Machinery

**Great Lakes Gear Technologies, Inc.**

9421 N. Haggerty Rd.
Plymouth, MI 48170
(734) 416-9300
www.greatlakesgeartech.com

Manufacturers Representative

**Hans-Jurgen Geiger**

Maschinen-Vertrieb GmbH
James-Watt Strabe 12  •  P.O. Box 1120
D-72555 Metzingen
Germany
49-(0)-7123-18040
www.geiger-germany.com

Used Machinery

**Hanik Corporation**

271 E. Belinoris Dr.
Wood Dale, IL 60191
(630) 595-7333
www.hanikcorp.com

Manufacturers Representative

**Havlik International Machinery, Inc.**

300 Holiday Inn Dr.
Cambridge, ON N1T 2B7
Canada
(519) 624-6240
www.havlikinternational.com

New - Used Machinery

**Hexagon Metrology**

250 Circuit Dr.
North Kingstown, RI 02852
(401) 886-2000
www.hexagonmetrology.us

New Equipment - Metrology

**Hoffmann Filter Corp.**

7627 Kensington Ct.
Brighton, MI 48116
(248) 486-8430
www.hoffmannfilter.com

New Equipment - Coolant Filtration

**Induction Tooling, Inc.**

12510 York-Delta Dr.
North Royalton, OH 44133
(440) 237-0711
www.inductiontooling.com

New Equipment - Induction Hardening

**Inductoheat, Inc.**

32251 North Avis Dr.
Madison Heights, MI 48071
(800) 624-6297
(248) 585-9393
www.inductoheat.com

Parts - Service - Rebuild

**Ipsen, Inc.**

984 Ipsen Rd.  •  Cherry Valley, IL 61016
(800) 727-7625
(815) 332-4941
www.ipsenusa.com

Parts - Retrofit - Rebuild

**ITW Heartland Gears**

1205 36th Ave W
Alexandria, MN 56308
(320) 762-0138
www.itwheartland.com

New Equipment - Metrology

**J. L. Becker Co.**

41150 Joy Rd.
Plymouth, MI 48170
(734) 656-2000
www.jlbecker.com

New Equipment - Heat Treating

**James Engineering**

2380 West Midway Blvd, Unit 1
Broomfield, CO 80020
(303) 444-6787
www.james-engineering.com

Gear Finishing Tools
The Power of One²

Your Objective:
One face in perfect alignment with another. For infinity.

No problems. No distress. No delays.
That's the same objective you have for choosing your gear producer. Circle Gear's objective is to engage with every customer's objectives.

- One to 1000 gears
- Customer designed or reverse engineered
- Gearbox repair, rebuild or redesign
- OEM or end-users
- ISO 9001:2015 Certified

1501 S. 55th Court, Cicero, IL 60804
(800) 637-9335
(708) 652-1000 / Fax: (708) 652-1100
sales@circlegear.com
www.circlegear.com

Spiral and Straight Bevel Gears (Cut, Ground or Lapped) • Spur Gears • Helical Gears • Long Shafts • Herringbone Gears • Involute and Straight Sided Splines • Internal Gears • Worm and Worm Gears • Racks • Sprockets • ISO Certified

Partnering with QualityReducer to provide Gearbox repair, rebuilding and reverse-engineering.
<table>
<thead>
<tr>
<th>Company</th>
<th>Address</th>
<th>Phone Numbers</th>
<th>Websites</th>
<th>Categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marposs Corporation</td>
<td>3300 Cross Creek Pkwy. • Auburn Hills, MI 48326</td>
<td>(248) 370-0404</td>
<td>marposs.com</td>
<td>New Equipment - Metrology</td>
</tr>
<tr>
<td>Matthews Marking Products</td>
<td>6515 Penn Ave. • Pittsburgh, PA 15206</td>
<td>(412) 665-2500</td>
<td>matthewsmarking.com</td>
<td>New Equipment - Marking Machines</td>
</tr>
<tr>
<td>MDM-Mecatronics</td>
<td>Via IV Novembre 24 • Minerbio (BO) 40061 Italy</td>
<td>39 (0) 51 660 5137</td>
<td>mdm-mecatronics.com</td>
<td>New Equipment - Metrology</td>
</tr>
<tr>
<td>Methods Machine Tools, Inc.</td>
<td>65 Union Ave. • Sudbury, MA 01776</td>
<td>(978) 443-5388</td>
<td>methodsmachine.com</td>
<td>OEM Machinery</td>
</tr>
<tr>
<td>MicroGear</td>
<td>13338 Monte Vista Ave. • Chino, CA 91710</td>
<td>(909) 590-4327</td>
<td>microgear.us</td>
<td>Used Machinery</td>
</tr>
<tr>
<td>Mitsubishi Gear Technology Center</td>
<td>46992 Liberty Dr. • Wixom, MI 48393</td>
<td>(248) 669-6136</td>
<td>mitsubishigearcenter.com</td>
<td>New Equipment Manufacturer</td>
</tr>
<tr>
<td>Mohawk Machinery, Inc.</td>
<td>10601 Glendale Rd. • Cincinnati, OH 45215</td>
<td>(800) 543-7696 • (513) 771-1952</td>
<td>mohawkmachinery.com</td>
<td>Auctions - Appraisals - Used Machinery</td>
</tr>
<tr>
<td>Nachi America, Inc.</td>
<td>715 Pushville Rd. • Greenwood, IN 46143</td>
<td>(317) 530-1001</td>
<td>nachiamerica.com</td>
<td>Gear Cutting Tools - Round Tools - Workholding</td>
</tr>
<tr>
<td>Nagel Precision, Inc.</td>
<td>288 Dino Dr. • Ann Arbor, MI 48103</td>
<td>(734) 426-5650</td>
<td>nagelusa.com</td>
<td>Bore Honing/Face Superfinishing</td>
</tr>
<tr>
<td>New England Gear</td>
<td>343 John Downey Dr. • New Britain, CT 06051</td>
<td>(860) 223-7778</td>
<td>newenglandgear.com</td>
<td>Used Machinery</td>
</tr>
<tr>
<td>Newage Testing Instruments, Inc.</td>
<td>820 Pennslyvania Blvd. • Feasterville, PA 19053</td>
<td>(215) 355-6900</td>
<td>hardnesstesters.com</td>
<td>New Equipment - Metrology</td>
</tr>
<tr>
<td>North American Machine &amp; Engineering Co.</td>
<td>13290 West Star Dr. • Shelby Township, MI 48315</td>
<td>(586) 726-6700</td>
<td>nameco1.com</td>
<td>New Equipment - Milling - Metrology</td>
</tr>
<tr>
<td>NUM Corporation</td>
<td>603 East Diehl Rd., Ste. 115 • Naperville, IL 60563</td>
<td>(630) 505-7722</td>
<td>num.com</td>
<td>CNC Machine Controls</td>
</tr>
<tr>
<td>Parker Industries, Inc.</td>
<td>1650 Sycamore Ave. • Bohemia, NY 11716</td>
<td>(631) 567-1000</td>
<td>parkerind.com</td>
<td>Gears</td>
</tr>
<tr>
<td>Peening Technologies Equipment, LLC</td>
<td>261 Burnham St. East • Hartford, CT 06108</td>
<td>(860) 289-4328</td>
<td>peentech.com</td>
<td>New Equipment- Shot Peening</td>
</tr>
</tbody>
</table>
STOP ANCIENT MACHINES FROM TAKING A BITE OUT OF YOUR MARGINS.

Let us repair, resurrect, and install the newest state-of-the-art CNC/PLC brain implants in your decaying 20th century beasts. Our doctors focus strategically on the problematic areas and offer targeted therapy, which provides the most value without breaking the bank. Ease the pain with proper maintenance and service support like you’d expect from the original OEM’s.

GET STARTED WITH THE DINOSAUR DOCTORS
MachineToolBuilders.com
815.636.7502
## MACHINES

### Roto-Tech, Inc.
351 Fame Rd. • Dayton, OH 45449  
(937) 859-8503  
www.rototech.com  
New Equipment - Metrology

### Russell, Holbrook & Henderson, Inc.
25 East Spring Valley Ave. • Ste 150  
Maywood, NJ 07607  
(201) 226-9000  
New Equipment - Hob Grinding - Metrology

### SAMP S.P.A.
Via Saliceto 15 • 40010 Bentivoglio Italy  
39 (0) 51 6319 411  
www.samputensili.com  
New Equipment Manufacturer

### Schafer Technologies
4901 West Raymond St.  
Indianapolis, IN 46241  
(317) 546-4081  
www.schafer-technologies.com  
New Equipment - Metrology

### Schutte TGM, LLC
4055 Morrill Rd. • Jackson, MI 49201  
(517) 782-3600 ext. 10  
www.schutteusa.com  
New Equipment Manufacturer

### Seco-Warwick Corporation
180 Mercer St. • Meadville, PA 16335  
(814) 332-8400  
www.secowarwick.com  
New Equipment - Heat Treating

### SM Gear Tech, Inc.
6955 Bergstrom Dr. • Rockford, IL 61103  
(815) 282-1998  
Used Machinery

### SMS Elotherm NA
210 West Kensinger Dr., Ste. 300  
Cranberry Township, PA 16066  
(877) 735-6843  
www.sms-elotherm.com  
New Equipment - Heat Treating

### Solar Atmospheres
1969 Clearview Rd. • Souderton, PA 18964  
(215) 721-1502  
www.solaratm.com  
Heat Treating

### Solar Manufacturing
1983 Clearview Rd. • Souderton, PA 18964  
(267) 384-5040  
www.solarmfg.com  
New Equipment - Heat Treating

### Star SU, LLC
5200 Prairie Stone Pkwy., Ste. 100  
Hoffman Estates, IL 60192  
(847) 649-1450  
www.star-su.com  
New Equipment Manufacturer

### Sunnen Products Company
7910 Manchester Ave. • St. Louis, MO 63143  
(800) 325-3670 • (314) 781-2100  
www.sunnen.com  
New Equipment - Bore & Finishing

### Surface Combustion, Inc.
1700 Indian Wood Circle • Maumee, OH 43537  
(800) 537-8980 • (419) 891-7150  
www.surfacecombustion.com  
New Equipment - Heat Treating

### T

#### Tech Induction Corporation
13129 23 Mile Rd. • Shelby Twp, MI 48315  
(586) 469-8324  
www.techinduction.com  
Inspection - Maintenance - Repair

#### Technofin USA
9800-J Southern Pine Blvd.  
Charlotte, NC 28273  
(704) 525-5230  
www.technofin.com  
New Equipment - Marking Machines

#### Technomax, Inc.
5-2-11 Uehomachi Tennoji-ku Osaka 5430001 Japan  
06 (0) 6762 4106  
www.technomax-j.com  
New Equipment - Metrology

#### Test Equipment Distributors, LLC
1959-D Parker Ct.  
Stone Mountain, GA 30087  
(800) 962-1788  
www.tecdnt.com  
New Machines - NDT Equipment

#### The Gleason Works
1000 University Ave. • Rochester, NY 14692  
(585) 473-1000  
www.gleason.com  
New Equipment Manufacturer

#### The Grieve Corporation
500 Hart Rd. • Round Lake, IL 60073  
(847) 546-8225  
www.grieve corp.com  
New Equipment - Ovens/Furnaces

#### The Ohio Broach & Machine Company
Willoughby, OH 44094  
(440) 946-1040  
www.ohiobroach.com  
Sharpening - Repair

#### TianJin Jincheng Machine Tool
El Dorado Hills, CA 95762  
(916) 939-3400  
www.tianjin-china.com  
New Equipment Manufacturer

#### TM Induction Heating
(0031) 341 434454  
www.tm-induction.com  
Heat Treating Equipment

#### TTI-Tokyo Technical Instruments USA Inc.
3753 Plaza Dr., Ste. #1 • Ann Arbor, MI 48108  
(734) 332-4851  
www.zoller.info/usa/home  
New Equipment - Metrology

### U

#### United Calibration Corporation
5802 Engineer Dr.  
Huntington Beach, CA 92649  
(800) 765-9997  
www.tensietest.com  
New Equipment - Metrology

#### United Grinding
510 Earl Blvd. • Miamisburg, OH 45342  
(937) 859-1975  
www.grinding.com  
Gear Grinding Tools

#### United Tool Supply
851 Ohio Pike • Cincinnati, OH 45245  
(800) 755-0516  
New Equipment - Metrology

#### Used Machinery Sales, LLC
19131 Industrial Blvd. • Elk River, MN 55330  
(763) 441-5152  
www.cnctool.com  
Used Machinery

#### Weldon Solutions
425 East Berlin Rd. • York, PA 17408  
(717) 846-4000 • (717) 846-3624  
www.weldonsolutions.com  
New Equipment Manufacturer

#### Welter Maschinen & Zahnradfabrik
49 (0) 7821 923-0  
www.welter-lahr.de  
New Equipment Manufacturer

#### Wenzel America, Ltd.
46962 Liberty Dr. • Wixom, MI 48393  
(248) 395-4301  
www.wenzelamerica.com  
New Equipment - Metrology

### Z

#### Zoller Inc. (USA)
3753 Plaza Dr., Ste. #1 • Ann Arbor, MI 48108  
(734) 332-4851  
www.zoller.info/usa/home  
New Equipment - Metrology
Your Gear Skiving Solution.

Introducing Toyoda’s Gear Skiving Series.


First in the world to equip a skiving function to a general purpose horizontal-type machining center, Toyoda’s gear skiving series increases productivity while reducing overhead expenses, all at a fraction of the cost of a full standard gear cutting lineup. Backed by award-winning high-speed axis synchronization technology, Toyoda Americas is once again proving that ingenuity begins here.

JTEKT Toyoda Americas Corporation
316 W. University Drive | Arlington Heights, IL 60004
847.253.0340 | info@toyoda.com
Learn more at www.Toyoda.com

Automotive News PACE Award

TOYODA
Dontyne Gears may not have decades of history behind it, but with the experience and skills of its parent company, Dontyne Systems, the fledgling business has made remarkable strides within the gear industry.

“The gear industry is evolving, and Dontyne Gears works hard to remain at the forefront of that evolution through our skills, innovation, and experience,” said Dr. Michael Fish, director of Dontyne Gears. “In today’s segmented environment, the end-to-end package of capabilities Dontyne Gears offers is largely unique for an outside supply house, e.g. design, analysis, prototyping, and testing. We strive to achieve the fastest and most flexible result possible whilst incorporating as much of the complete development in-house as possible.”

A RANGE OF SERVICES

Dontyne Gears can create new gear systems or optimize existing ones. This can include analysis of operating criteria under load such as stress, vibration, efficiency, and power loss as well as design of tooling and simulations of component generation. Dontyne can already produce some test gears in-house up to a 350 mm diameter using several methods and inspect them using high-precision machines. Production capability will grow in the coming years, but for now, the company works with several development partners to provide a wide range of gears for testing.

Recently, Dontyne Gears collaborated with Alvier Mechatronics and Hoganas on the development of a 12:1 layshaft gearbox to connect with an eMotor, according to Fish.

“We also have sales contracts to offer the Gear Production Suite from Dontyne Systems and high-accuracy gear-checking machines from Osaka Seimitsu Kikai (Japan) in Europe,” he said. “We will be launching a range of back-to-back test rigs later this year also — all of which

Dontyne Gears pursues principles in design and machining techniques that are not yet part of the mainstream industry in order to gain a competitive advantage.

By KENNETH CARTER, Gear Solutions editor
can be viewed at our site in Washington, England.”

With this range of services, Fish hopes Dontyne Gears can bring as much gear development in-house from concept to prototype testing, thereby reducing the development time and cost for its customers.

“It also reduces the potential for error in data transfer between companies at each stage during the process,” he said. “Our services also meet a need in cases where the designs we are testing are not readily available in current production.”

**INNOVATION AND IMPROVEMENT**

Within an ever-changing gear industry, it’s important to Fish that Dontyne Gears strives to remain independent of any particular equipment and be compatible with whatever its customers might be using.

“We also pride ourselves on our approach to innovation and continuous improvement,” he said. “There are projects under way that will be new to the industry and enable significant progress in product capability and production efficiency.”

Dontyne Gears’ approach to the gear industry is apparently paying off, according to Fish.

“We take great pride that multi-national companies with worldwide recognition are already seeking us out to work in collaboration with us despite our size,” he said. “This is a strong recognition of the capability and expertise we hold within the company. As these collaborations reach the market and yield significant benefits for clients and the industry, we will feel immensely proud of what we have achieved from a limited resource base.”

**DEVELOPMENT PRIDE**

And considering Dontyne Gears opened its doors in 2013, the company has had a fast track to success.

“We are a relatively young enterprise in the industry, but we’re proud of our developments so far,” Fish said. “Although we were established in 2013, we have only taken on external projects in the last two years to ensure we’re delivering maximum quality for our customers. It is only in the last 12 months that we have been in a position to really promote ourselves in the market and drive brand awareness.”

The response, according to Fish, has been extremely encouraging.

“It has enhanced our confidence that what we have to offer meets — and exceeds — the market need,” he said. “The addition of more machines recently has delivered more capability in-house for a wider range of services, making it more efficient for clients. We also now have some test gears in-house up to a 350 mm diameter using several methods and inspect them using high-precision machines. (Courtesy: Dontyne Gears)
Dontyne Gears offers design and analysis services, prototyping, and testing to companies who do not have the internal skills, capability, resources, or experience. (Courtesy: Dontyne Gears)

Dontyne Gears can create new gear systems or optimize existing ones. (Courtesy: Dontyne Gears)

test rigs to trial durability and wear for involute gears as well as comparing differing materials and profiles.”

Dontyne Gears has a range of test rigs in-house and, with its development partners at The Design Unit, Newcastle Upon Tyne, it can validate various performance criteria of designs.

But that’s not all. Dontyne Gears has also increased its human resources this year and doubled its floor space, according to Fish.

“And we have plans to expand even further in the short and medium term,” he said. “This has allowed us to offer an ever-more comprehensive service range, which we are excited to continue expanding over the next two years.”

**NEED FOR AN EXTERNAL RESOURCE**

Dontyne Gears was founded six years ago when an opportunity was seen to create an external resource for companies who needed expertise in the development, manufacture, testing, and inspection of a wide range of gears, according to Fish.

“Bringing recognized experience and skills from Dontyne Systems — a well-established software company providing design and analysis tools, as well as interfacing to machine tools and inspection equipment — Dontyne Gears was a naturally aligned fit for a spin-off organization,” he said.

And Fish expects Dontyne Gears’ success to continue as the gear industry evolves.

“Without doubt, I would like to think that in 10 to 20 years it would be said that the work of Dontyne Gears and its collaborating partners have brought about definite and significant improvements within the global gear industry,” he said. “We will have achieved this by reducing costs while improving production efficiency and product performance. Only then, could I retire happy; except I have been frequently told ‘gear people’ don’t retire, so back to drawing board it is then.”
AIM HIGH.

KAPP NILES ZE Series

Gear profile grinding

High precision for external and internal gear grinding. Durable ZE Series are characterized by accuracy and good ergonomics.

Small batches or serial - fits perfectly to your requirements!
In the following company listings, the special shaded boxes around some listings denote a company that participates in our gearsolutions.com community storefront. A storefront includes bonus exposure on our website including a profile of your company, integration with your social media pages, your company’s logo, and videos, all in a customized design. Plus, your company will receive exclusive inclusion on our Gear Solutions mobile app. To learn more about how your company can benefit from a gearsolutions.com community storefront, contact Chad Morrison at (800) 366-2185 ext. 202 or chad@gearsolutions.com.
<table>
<thead>
<tr>
<th>Company</th>
<th>Address details</th>
<th>Phone numbers</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bison Gear &amp; Engineering</td>
<td>3850 Ohio Ave. • Saint Harles, IL 60174</td>
<td>(800) AT-BISON</td>
<td><a href="http://www.bisongear.com">www.bisongear.com</a></td>
</tr>
<tr>
<td>Bluewater Thermal Solutions</td>
<td>201 Brookfield Pkwy., • Suite 102</td>
<td>Greenville, SC 29607 (864) 990-0050</td>
<td><a href="http://www.bluewaterthermal.com">www.bluewaterthermal.com</a></td>
</tr>
<tr>
<td>Bodine Electric Company</td>
<td>201 Northfield Rd. • Northfield, IL 60093</td>
<td>(773) 478-3515</td>
<td><a href="http://www.bodine-electric.com">www.bodine-electric.com</a></td>
</tr>
<tr>
<td>Bodycote North America</td>
<td>8580 North Haggerty Rd. • Canton, MI 48187</td>
<td>(734) 451-2264</td>
<td><a href="http://www.bodycote.com">www.bodycote.com</a></td>
</tr>
<tr>
<td>BOS Services Company</td>
<td>4741 East 355th St. • Willoughby, OH 44094</td>
<td>(440) 946-5101</td>
<td><a href="http://www.bosservicesheatreating.com">www.bosservicesheatreating.com</a></td>
</tr>
<tr>
<td>Bourn &amp; Koch, Inc.</td>
<td>2500 Kishwaukee St. • Rockford, IL 61104</td>
<td>(815) 965-4013</td>
<td><a href="http://www.bourn-koch.com">www.bourn-koch.com</a></td>
</tr>
<tr>
<td>Broadfoot Gear Works, Inc.</td>
<td>3250 S. Central Ave. • Cicero, IL 60804</td>
<td>(708) 780.4825</td>
<td><a href="http://www.bwren.com">www.bwren.com</a></td>
</tr>
<tr>
<td>Brelie Gear Co., Inc.</td>
<td>2715 S Gladstone Place • Milwaukee, WI 53207</td>
<td>(414) 481-5488</td>
<td><a href="http://www.breliegear.com">www.breliegear.com</a></td>
</tr>
<tr>
<td>Brevis USA, Inc.</td>
<td>14141 W. Brevis Dr. • Yorktown, IN 47396</td>
<td>(765) 759-2300</td>
<td><a href="http://www.brevisusa.com">www.brevisusa.com</a></td>
</tr>
<tr>
<td>Broaching Machine Specialties Company</td>
<td>25180 Seeley Rd. • Novi, MI 48375</td>
<td>(248) 471-4500</td>
<td><a href="http://www.broachingmachine.com">www.broachingmachine.com</a></td>
</tr>
<tr>
<td>Broaching Technologies LLC</td>
<td>N63W22621 Main St. • Sussex, WI 53089</td>
<td>(262) 820-1200</td>
<td><a href="http://www.keyway-spline-broaching.com">www.keyway-spline-broaching.com</a></td>
</tr>
<tr>
<td>Broadway Gear, Inc.</td>
<td>2217 Executive Dr. • Garland, TX 75041</td>
<td>(972) 351-8737</td>
<td><a href="http://www.broadwaygear.com">www.broadwaygear.com</a></td>
</tr>
<tr>
<td>Buffalo Gear, Inc.</td>
<td>3635 Lockport Rd. • Sanborn, NY 14132</td>
<td>(716) 731-2100</td>
<td><a href="http://www.buffalogear.com">www.buffalogear.com</a></td>
</tr>
<tr>
<td>Bunting Bearings Corp.</td>
<td>1001 Holland Park Blvd • Holland, OH 43528</td>
<td>(888) 286-8464</td>
<td><a href="http://www.buntingbearings.com">www.buntingbearings.com</a></td>
</tr>
<tr>
<td>Butler Gear Co., Inc.</td>
<td>12819 West Silver Spring Rd. • Butler, WI 53007</td>
<td>(262) 781-3270</td>
<td><a href="http://www.butterlegear.com">www.butterlegear.com</a></td>
</tr>
<tr>
<td>C-B Gear &amp; Machine, Inc.</td>
<td>4232 Mooney Rd. • Houston, TX 77093</td>
<td>(281) 449-0777</td>
<td><a href="http://www.cbgear.com">www.cbgear.com</a></td>
</tr>
<tr>
<td>Canadian Wind Energy Assn. (CanWEA)</td>
<td>1600 Carling Ave., Ste. 710 Ottawa, ON K1Z 1G3 Canada (613) 234-8716</td>
<td><a href="http://www.canwea.ca">www.canwea.ca</a></td>
<td>assocation</td>
</tr>
<tr>
<td>Canton Drop Forge</td>
<td>4575 Southw Way St. SW • Canton, OH 44706</td>
<td>(330) 477-4511</td>
<td><a href="http://www.cantondropforge.com">www.cantondropforge.com</a></td>
</tr>
<tr>
<td>Capstan Atlantic</td>
<td>10 Cushing Dr. • Wrentham, MA 20293</td>
<td>(301) 384-3100</td>
<td><a href="http://www.capstanatlantic.com">www.capstanatlantic.com</a></td>
</tr>
<tr>
<td>Carbide Tool Services, Inc.</td>
<td>1020 Lund Blvd. • Anoka, MN 55303</td>
<td>(800) 243-9577</td>
<td><a href="http://www.carbitedotool.com">www.carbitedotool.com</a></td>
</tr>
<tr>
<td>Cardinal Engineering, Inc.</td>
<td>23426 West Apollo Court • Lake Villa, IL 60046</td>
<td>(847) 356-5731</td>
<td><a href="http://www.cardinalengineering.com">www.cardinalengineering.com</a></td>
</tr>
<tr>
<td>Carnes-Miller Gear Co., Inc.</td>
<td>362 Browns Hill Rd. • P.O. Box 268 Locust, NC 28097</td>
<td>(800) 273-6814</td>
<td><a href="http://www.cmgear.com">www.cmgear.com</a></td>
</tr>
<tr>
<td>Castalloy</td>
<td>1701 Industrial Lane • Waukesha, WI 53189</td>
<td>(262) 547-0070</td>
<td><a href="http://www.castalloycorp.com">www.castalloycorp.com</a></td>
</tr>
<tr>
<td>Celanese</td>
<td>8040 Dixie Highway • Florence, KY 41042</td>
<td>(800) 833-4882</td>
<td><a href="http://www.celanese.com">www.celanese.com</a></td>
</tr>
<tr>
<td>CGI, Inc.</td>
<td>3400 Arrowhead Dr. • Carson City, NV 89706</td>
<td>(775) 882-3422</td>
<td><a href="http://www.cgimotion.com">www.cgimotion.com</a></td>
</tr>
<tr>
<td>Chalmers &amp; Kubeck, Inc.</td>
<td>150 Commerce Dr. • Aston, PA 19014</td>
<td>(610) 494-4300</td>
<td><a href="http://www.candk.com">www.candk.com</a></td>
</tr>
<tr>
<td>Charles E. Larson &amp; Sons, Inc.</td>
<td>2645-65 N. Keeler Ave. • Chicago, IL 60639</td>
<td>(773) 772-9700</td>
<td><a href="http://www.larsonforge.com">www.larsonforge.com</a></td>
</tr>
<tr>
<td>Chicago Gear-D.O. James Corp.</td>
<td>2823 West Fulton St. • Chicago, IL 60612</td>
<td>(773) 638-0508</td>
<td><a href="http://www.oc-gear.com">www.oc-gear.com</a></td>
</tr>
<tr>
<td>Cincinnati Gearing Systems</td>
<td>5757 Mariemont Ave. • Cincinnati, OH 45227</td>
<td>(513) 527-8600</td>
<td><a href="http://www.cincinnatigearingsystems.com">www.cincinnatigearingsystems.com</a></td>
</tr>
<tr>
<td>Cincinnati Industrial Auctioneers, Inc.</td>
<td>2020 Dunlap Stree • Cincinnati, OH 45214</td>
<td>(800) 497-9701</td>
<td><a href="http://www.cia-auction.com">www.cia-auction.com</a></td>
</tr>
<tr>
<td>Circle Gear and Machine Co., Inc.</td>
<td>1501 South 55th Court • Cicero, IL 60804</td>
<td>(800) 637-9335 (708) 652-1000</td>
<td><a href="http://www.circlegear.com">www.circlegear.com</a></td>
</tr>
<tr>
<td>Cleveland Gear Co.</td>
<td>3249 E. 80th St. • Cleveland, OH 44104</td>
<td>(216) 641-9000</td>
<td><a href="http://www.clevelandgear.com">www.clevelandgear.com</a></td>
</tr>
<tr>
<td>Clifford-Jacobs Forging Co.</td>
<td>2410 North 5th St. • Champaign, IL 61822</td>
<td>(217) 352-5172</td>
<td><a href="http://www.clifford-jacobs.com">www.clifford-jacobs.com</a></td>
</tr>
<tr>
<td>Cloyes Gear &amp; Products, Inc.</td>
<td>6101 Phoenix Ave. #2 • Ft. Smith, AR 72903</td>
<td>(479) 484-5555</td>
<td><a href="http://www.cloyes.com">www.cloyes.com</a></td>
</tr>
<tr>
<td>CNC Machinery Sales, Inc.</td>
<td>2430 E. Monroe • Phoenix, AZ 85034</td>
<td>(602) 244-1507</td>
<td><a href="http://www.cncmach.com">www.cncmach.com</a></td>
</tr>
</tbody>
</table>
TRUSTED
TO GET IT DONE RIGHT... EVERY TIME

Cut teeth capabilities so good, even our competitors come to us.

Excellence without exception.

FOREST CITY GEAR

forestcitygear.com
SERVICES

GEARING AHEAD TO MEET INDUSTRY’S DEMAND FOR PRECISION

- SERVING -
Aircraft • Aerospace • Actuation
Instrumentation • Optic
Robotics • Radar • Medical
Marine • Defense • Experimental
Prototype • Production
Hi-Performance Automotive

CNC Thread Grinding
Nadcap Accredited: Heat Treatment, Induction Hardening, Passivation

Precision Gear Products (up to AGMA Q14):
Spur Gears, Helical Gears, Worm Gears, Anti-Backlash Gears, Cluster Gears,
Clutch Gears, Face Gears, Planetary Gears, Gear Assemblies, Gear Boxes,

STD Precision Gear & Instrument, Inc.
318 Manley St. • W. Bridgewater, MA 02379
(888) STD-GEAR or (508) 580-0035
Fax: (888) FAX-4STD or (508) 580-0071
E-mail: info@stdgear.com • Web site: www.stdgear.com

Corporate Assets, Inc.
2 St. Clair Ave. West, Ste. 1002
Toronto, ON M4V 1L5 • Canada
(416) 962-9600
www.corpassets.com

Auctioneers

Cotta Transmission Co., LLC
1301 Prince Hall Dr. • Beloit, WI 53511
(608) 368-5600
www.cotta.com

Speed Reducers - Gearboxes

Crucible Service Centers
575 State Fair Blvd. • Syracuse, NY 13201
(800) 365-1180
www.crucibleservice.com

Raw Materials

Cryogenics

CryoPlus, Inc.
2429 North Millborne Rd. • Wooster, OH 44691
(330) 683-3375
www.cryoplus.com

Custom Electric Manufacturing Co.
48941 West Rd. • Wixom, MI 48393
(248) 305-7700
custom-electric.com

Heat Treating

Delta Gear & Machine, Inc.
5466 East Rockton Rd. • Roscoe, IL 61073
(815) 389-6065
www.cgearinc.com

Gearboxes

Dayton Gear
500 Fame Rd. • Dayton, OH 45449
(800) 897-4327
www.daytongear.com

Gears

Dayton Machine Tool Company
1314 Webster St. • Dayton, OH 45404
(937) 222-6444
Retooling - Rebuilding

DECO
506 Sanford St. • Decorah, IA 52101
(800) 327-9751
www.decoprod.com

Zinc Die Casting

Delta Dynamics, Inc.
7580 MacDonald Rd.
Delta BC, V4G 1N2 • Canada
(800) 940-1015 • (604) 940-1015
www.deltadynamics.com

Gears

Delta Gear, Inc.
36251 Schoolcraft • Livonia, MI 48150
(734) 525-8000
www.delta-gear.com

Gears

Delta Inspection
36251 Schoolcraft • Livonia, MI 48150
(734) 525-8000
www.deltainspect.com

Gear Inspection
Delta Research Corporation  
32971 Capitol St. • Livonia, MI 48150  
(734) 261-6400  
www.delrecorp.com  
Machining - Assembly  

DESch Canada, Ltd.  
240 Shearson Cres. • Cambridge, ON N1T 1J6 Canada  
(800) 263-1866  
www.desch.de  
Gears  

Drake Manufacturing Services Co. LLC  
4371 North Leavitt Rd. • Warren, OH 44485  
(330) 847-7291  
www.drakemfg.com  
Gears  

DSM Engineering Plastics  
2267 W. Mill Rd. • Evansville, IN 47722  
(800) 333-4237  
www.dsmep.com  
New Equipment Manufacturer  

Dura-Bar  
1800 W. Lake Shore Dr. • Woodstock, IL 60098  
(800) 227-6455 • (815) 338-7800  
www.dura-bar.com  
Raw Materials  

Earle M. Jorgensen Co.  
10650 Alameda St. • Lynwood, CA 90262  
(323) 567-1122  
www.emjmetals.com  
Raw Materials  

EFD Induction  
31511 Dequindre Rd.  
Madison Heights, MI 48071  
(248) 658-0700  
efd-induction.com  
Heat Treating  

Eirsa de CV  
Poniente 128 #389 • Col Nueva Vallego  
D.F. 07750, Mexico  
011-(525)-55-587-8266  
Gears  

Ellwood City Forge  
800 Commercial Ave • Ellwood City PA 16117  
(724) 752-0055  
www.ellwoodcityforge.com  
Forgings  

Encoder Products Company  
464276 Highway 95 South • P.O. Box 249  
Sagle, ID 83860  
(208) 263-8541  
www.encoder.com  
Motion Sensing Devices  

Engineered Abrasives, Inc.  
11631 S. Austin Ave. • Alsip, IL 60803  
(708) 389-9700  
www.engineeredabrasives.com  
New Equipment - Finishing  

Engis Corporation  
105 West Hintz Rd. • Wheeling, IL 60090  
(847) 808-9400  
www.engis.com  
Grinding Wheel Replating  

Enplas (USA), Inc.  
1901 West Oak Circle • Marietta, GA 30062  
(770) 795-1100  
www.enplasusa.com  
Injection Molding  

Excel Gear, Inc.  
11865 Main St. • Roscoe, IL 61073  
(815) 623-3414  
www.excelgear.com  
Gears  

Extrude Hone Corp.  
235 Industry Blvd. • Irwin, PA 15642  
(724) 863-5900  
Deburring - Polishing - Finishing  

Fairchild Industrial Products Company  
3920 West Point Boulevard  
Winston-Salem, NC 27103  
(336) 659-3400  
www.fairchildproducts.com  
Transmission Components  

Fairfield Manufacturing Company, Inc.  
US 52 South • P.O. Box 7940  
Lafayette, IN 47903  
(765) 772-4000  
www.fairfieldmfg.com  
Gears  

Ferry-Capitain Industries, LLC  
423 New Kamer Rd., Suite 2  
Albany, NY 12205  
(518) 452-8090  
www.ferry-capitain.fr  
Gears  

First Gear Engineering & Technology  
7606 Freedom Way • Fort Wayne, IN 46818  
(260) 490-3238  
www.first-gear.com  
Gears  

Florida Drives & Gear Motors  
4747 North Westshore Blvd. • Tampa, FL 33614  
(800) 940-4327  
www.herculesgear.com  
Gear Reducers - Parts  

Forest City Gear  
11715 Main St. • Roscoe, IL 61073  
(866) 623-2168 • (815) 623-2168  
www.fcgear.com  
Gears  

Franklin Machine & Gear Corporation  
5903 Frost St. • Humble, TX 77396  
(281) 441-3177  
www.franklingear.com  
Gears  

Friedrich Gloor, Ltd.  
P.O. Box 236 • CH-2543 Lengnau  
Switzerland  
011-41-32-653-2161  
www.gloorag.ch  
Coating - Regrinding
G & G Creative
Gear Group, Inc. • 10106 Hill Rd.
Goodells, MI 48027
(810) 384-6246
www.gcreativegeargroupinc.com
Gears

G & K Machine Company
4833 Newport St.
Commerce City, CO 80022
(800) 455-0603 • (303) 455-0601
www.gkmachinecompany.com
Gears

G & N Rubicon Gear, Inc.
1550 East McFadden Ave.
Santa Ana, CA 92705
(714) 835-0326
www.rubicon-gear.com
Gears

Gear Consulting Group
P.O. Box 353 • Richland, MI 49083
(269) 623-4993
www.gearconsultinggroup.com
Consulting

Gear Consulting Services
of Cincinnati, LLC
4990 Kenridge Dr.
Cincinnati, OH 45242
(513) 791-5124
Consulting

Gear Manufacturing, Inc.
3721 E. Miraloma Ave. • Anaheim, CA 92806
(800) 773-4327 • (714) 792-2895
www.gearmfg.com
Gears

Gear Motions, Inc.
1750 Milton Ave. Syracuse, NY 13209
(315) 488-0100
www.gearmotions.com
Gears

Gear Products, Inc.
11135 South James Ave. • Jenks, OK 74037
(918) 298-8300
www.team-twg.com
Transmission Components

Gear Technology
10671 Civic Center Dr.
Rancho Cucamonga, CA 91730
(909) 476-0343
www.gear-tech.com
Gears

Gearspect, USA
14 John Walsh Blvd • Peekskill, NY 10566
(914) 835-0008
www.gmtegear.com
Gears - Retrofit - Rebuild

GearTec, Inc.
4245 Hamann Pkwy. • Willoughby, OH 44094
(440) 953-3900
www.geartecinc.com
Gears

Gerhardt Gear Company, Inc. • 133 E. Santa Anita Ave.
Burbank, CA 91502
(818) 842-6700
www.gerhardtgear.com
Gears

GKN Sinter Metals
15800 Megal Dr. • Menomonee Falls, WI 53051
(262) 371-0800
www.gknsmetal.com
Powdered Metal Components

Gleason Cutting Tools Corp.
1351 Windsor Rd. • Loves Park, IL 61111
(815) 877-8900
www.gleason.com
Sharpening - Coating - Heat Treating

GMN USA
1784 New Britain Ave. • Farmington, CT 06032
(800) 686-1679
www gmnu ma.com
New & Repair Spindles

Goldality-Dovebid
11425 Cronhill Dr. • Owings Mills, MD 21117
(410) 654-7500
www.goldalitydovebid.com
Auctioneers

Golden State Gear & Machinery
819 Bethany Lane • Concord, CA 94518
(925) 288-1688
Gears

---

GEARDIAGRAFICS, USA
10671 Civic Center Dr.
Rancho Cucamonga, CA 91730
(909) 476-0343
www.gmtegear.com
Gears - Retrofit - Rebuild

---

APG
AMERICAN PRECISION GEAR CO.
“PERFECTION IN OUR WORK, DELIVERIES AS REQUESTED”
WWW.AMGEAR.COM

AEROSPACE/DEFENSE

MEDICAL DEVICES

CUSTOM PRECISION GEARS
ISO2015, AS9100, DDTC

SALES@AMGEAR.COM
FOSTER CITY, CA
800-554-3150

WWW.AMGEAR.COM

---

Precision Gear Products
STOCK : HOBS : HSS & CARBIDE
STOCK : SHAPERS : Disc & Shank
STOCK : MASTER GEARS
RFQ on specials gear tools welcome
Diametral Pitch 12 and finer

PC: truvolute.com

---

RUSSEL H, HOLBROOK HEND #E, INC.
355 E Spring Valley Ave., Maywood, New Jersey 07607
P: 201-226-9000 F: 201-226-9004 E: gearstools@tru-volute.com
CELEBRATING 100 YEARS IN BUSINESS

Precision Gear Products
STOCK : HOBS : HSS & CARBIDE
STOCK : SHAPERS : Disc & Shank
STOCK : MASTER GEARS
RFQ on specials gear tools welcome
Diametral Pitch 12 and finer

www.tru-volute.com
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Phone Numbers</th>
<th>Websites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Great Lakes Gear Technologies, Inc.</td>
<td>9421 N. Haggerty Rd. • Plymouth, MI 48170</td>
<td>(734) 416-9300</td>
<td><a href="http://www.greatlakesgeartech.com">www.greatlakesgeartech.com</a></td>
</tr>
<tr>
<td>Great Lakes Industries, Inc.</td>
<td>1927 Wildwood Ave. Jackson, MI 49202</td>
<td>(517) 784-3153</td>
<td><a href="http://www.greatlakesind.com">www.greatlakesind.com</a></td>
</tr>
<tr>
<td>Great Taiwan Gear, Ltd.</td>
<td>108 Collier Lane • Greer, SC 29650</td>
<td>(888) 832-2870</td>
<td><a href="http://www.taiwangear.com">www.taiwangear.com</a></td>
</tr>
<tr>
<td>Griffin Gear, Inc.</td>
<td>P.O. Box 202 • Roebuck, SC 29376</td>
<td>(800) 423-7506</td>
<td><a href="http://www.griffingear.com">www.griffingear.com</a></td>
</tr>
<tr>
<td>Group Trudo, Inc.</td>
<td>34 Belmont St. • Richmond, QC</td>
<td>(819) 826-5941</td>
<td><a href="http://www.trudoinc.com">www.trudoinc.com</a></td>
</tr>
<tr>
<td>GTC Falcon, Inc.</td>
<td>118 Long Pond Rd. • Plymouth, CA 02360</td>
<td>(888) 309-0464 + (508) 746-0200</td>
<td><a href="http://www.gtcfalcon.com">www.gtcfalcon.com</a></td>
</tr>
<tr>
<td>Gudel, Inc.</td>
<td>4881 Runway Blvd. • Ann Arbor, MI 48108</td>
<td>(734) 214-0000</td>
<td><a href="http://www.gudel.com">www.gudel.com</a></td>
</tr>
<tr>
<td>Gupta Permold Corporation</td>
<td>234 Lott Rd. • Pittsburgh, PA 15235</td>
<td>(412) 793-3511</td>
<td><a href="http://www.guptapermold.com">www.guptapermold.com</a></td>
</tr>
<tr>
<td>HAVIKA Gear</td>
<td>455 Sheldon Dr. Cambridge, ON N1T 2B7, Canada</td>
<td>(519) 624-6240</td>
<td><a href="http://www.havlikgear.com">www.havlikgear.com</a></td>
</tr>
<tr>
<td>Henschel America, Inc.</td>
<td>941G Ashwaubenon St. • Green Bay, WI 54304</td>
<td>(920) 336-1122</td>
<td>henschel.us</td>
</tr>
<tr>
<td>High Performance Gear, Inc.</td>
<td>2119 FM 1826 • Manchaca, TX 78652</td>
<td>(512) 292-9148</td>
<td><a href="http://www.hpgear.net">www.hpgear.net</a></td>
</tr>
<tr>
<td>HST USA, Inc.</td>
<td>1666 W. 29th St. • Erie, PA 16508</td>
<td>(814) 864-1060</td>
<td><a href="http://www.hsw-zzn.com.pl">www.hsw-zzn.com.pl</a></td>
</tr>
<tr>
<td>IDC Industries, Inc.</td>
<td>18901 15 Mile Rd. • Clinton Twp., MI, 48035</td>
<td>(586) 427-4321</td>
<td><a href="http://www.idcind.com">www.idcind.com</a></td>
</tr>
<tr>
<td>Ideal Gear and Machine Works</td>
<td>6415 River Rd. • Delta, BC V4K 5B9 Canada</td>
<td>(604) 952-4327</td>
<td><a href="http://www.idealgearworks.com">www.idealgearworks.com</a></td>
</tr>
<tr>
<td>Ikona Gear International, Inc.</td>
<td>108-1655 Broadway St. Port Coquitlam, BC V3C 2M7 Canada</td>
<td>(604) 944-5543</td>
<td><a href="http://www.ikona.ca">www.ikona.ca</a></td>
</tr>
<tr>
<td>Indiana Tool-Indiana Gear</td>
<td>6100 Michigan Rd. • Plymouth, IN 46563</td>
<td>(574) 936-2112</td>
<td><a href="http://www.itamco.com">www.itamco.com</a></td>
</tr>
<tr>
<td>HOBSource, Inc.</td>
<td>834 E. Rand Rd. #2 • Mt. Prospect, IL 60056</td>
<td>(866) 995-TOOL</td>
<td><a href="http://www.hobsoure.com">www.hobsoure.com</a></td>
</tr>
<tr>
<td>Houston Gear USA, Inc.</td>
<td>P.O. Box 178 • Stafford, TX 77497</td>
<td>(281) 495-8274</td>
<td><a href="http://www.houstongear.com">www.houstongear.com</a></td>
</tr>
<tr>
<td>Indiana Tool-Indiana Gear</td>
<td>6100 Michigan Rd. • Plymouth, IN 46563</td>
<td>(574) 936-2112</td>
<td><a href="http://www.itamco.com">www.itamco.com</a></td>
</tr>
<tr>
<td>HAVIKA Gear</td>
<td>455 Sheldon Dr. Cambridge, ON N1T 2B7, Canada</td>
<td>(519) 624-6240</td>
<td><a href="http://www.havlikgear.com">www.havlikgear.com</a></td>
</tr>
<tr>
<td>Henschel America, Inc.</td>
<td>941G Ashwaubenon St. • Green Bay, WI 54304</td>
<td>(920) 336-1122</td>
<td>henschel.us</td>
</tr>
<tr>
<td>High Performance Gear, Inc.</td>
<td>2119 FM 1826 • Manchaca, TX 78652</td>
<td>(512) 292-9148</td>
<td><a href="http://www.hpgear.net">www.hpgear.net</a></td>
</tr>
<tr>
<td>HST USA, Inc.</td>
<td>1666 W. 29th St. • Erie, PA 16508</td>
<td>(814) 864-1060</td>
<td><a href="http://www.hsw-zzn.com.pl">www.hsw-zzn.com.pl</a></td>
</tr>
<tr>
<td>IDC Industries, Inc.</td>
<td>18901 15 Mile Rd. • Clinton Twp., MI, 48035</td>
<td>(586) 427-4321</td>
<td><a href="http://www.idcind.com">www.idcind.com</a></td>
</tr>
<tr>
<td>Ideal Gear and Machine Works</td>
<td>6415 River Rd. • Delta, BC V4K 5B9 Canada</td>
<td>(604) 952-4327</td>
<td><a href="http://www.idealgearworks.com">www.idealgearworks.com</a></td>
</tr>
<tr>
<td>Ikona Gear International, Inc.</td>
<td>108-1655 Broadway St. Port Coquitlam, BC V3C 2M7 Canada</td>
<td>(604) 944-5543</td>
<td><a href="http://www.ikona.ca">www.ikona.ca</a></td>
</tr>
<tr>
<td>Indiana Tool-Indiana Gear</td>
<td>6100 Michigan Rd. • Plymouth, IN 46563</td>
<td>(574) 936-2112</td>
<td><a href="http://www.itamco.com">www.itamco.com</a></td>
</tr>
<tr>
<td>HOBSource, Inc.</td>
<td>834 E. Rand Rd. #2 • Mt. Prospect, IL 60056</td>
<td>(866) 995-TOOL</td>
<td><a href="http://www.hobsoure.com">www.hobsoure.com</a></td>
</tr>
<tr>
<td>Houston Gear USA, Inc.</td>
<td>P.O. Box 178 • Stafford, TX 77497</td>
<td>(281) 495-8274</td>
<td><a href="http://www.houstongear.com">www.houstongear.com</a></td>
</tr>
<tr>
<td>Indiana Tool-Indiana Gear</td>
<td>6100 Michigan Rd. • Plymouth, IN 46563</td>
<td>(574) 936-2112</td>
<td><a href="http://www.itamco.com">www.itamco.com</a></td>
</tr>
<tr>
<td>HAVIKA Gear</td>
<td>455 Sheldon Dr. Cambridge, ON N1T 2B7, Canada</td>
<td>(519) 624-6240</td>
<td><a href="http://www.havlikgear.com">www.havlikgear.com</a></td>
</tr>
<tr>
<td>Henschel America, Inc.</td>
<td>941G Ashwaubenon St. • Green Bay, WI 54304</td>
<td>(920) 336-1122</td>
<td>henschel.us</td>
</tr>
<tr>
<td>High Performance Gear, Inc.</td>
<td>2119 FM 1826 • Manchaca, TX 78652</td>
<td>(512) 292-9148</td>
<td><a href="http://www.hpgear.net">www.hpgear.net</a></td>
</tr>
<tr>
<td>HST USA, Inc.</td>
<td>1666 W. 29th St. • Erie, PA 16508</td>
<td>(814) 864-1060</td>
<td><a href="http://www.hsw-zzn.com.pl">www.hsw-zzn.com.pl</a></td>
</tr>
<tr>
<td>IDC Industries, Inc.</td>
<td>18901 15 Mile Rd. • Clinton Twp., MI, 48035</td>
<td>(586) 427-4321</td>
<td><a href="http://www.idcind.com">www.idcind.com</a></td>
</tr>
<tr>
<td>Ideal Gear and Machine Works</td>
<td>6415 River Rd. • Delta, BC V4K 5B9 Canada</td>
<td>(604) 952-4327</td>
<td><a href="http://www.idealgearworks.com">www.idealgearworks.com</a></td>
</tr>
<tr>
<td>Ikona Gear International, Inc.</td>
<td>108-1655 Broadway St. Port Coquitlam, BC V3C 2M7 Canada</td>
<td>(604) 944-5543</td>
<td><a href="http://www.ikona.ca">www.ikona.ca</a></td>
</tr>
<tr>
<td>Indiana Tool-Indiana Gear</td>
<td>6100 Michigan Rd. • Plymouth, IN 46563</td>
<td>(574) 936-2112</td>
<td><a href="http://www.itamco.com">www.itamco.com</a></td>
</tr>
</tbody>
</table>
Inductoheat, Inc.
32251 North Dr. Avis •
Madison Heights, MI 48071
(800) 624-6297 • (248) 585-9393
www.inductoheat.com
New Equipment - Induction Heating

Industrial Tube & Steel Corp.
4658 Crystal Pkwy. • Kent, OH 44240
(800) 662-9567
www.industrialtube.com
Raw Materials

Infinity Asset Solutions, Inc.
63 Maplecrete Rd.
Concord, ON L4K 1A5 Canada
(905) 669-8893
www.infassets.com
Auctioneers

Innovative Rack & Gear Co.
365 Balm Court • Wood Dale, IL 60191
(630) 766-2652
www.gearacks.com
Gears - Gear Racks

INTECH Corporation
250 Herbert Ave. • Closter, NJ 07624
(201) 767-8066
www.intechpower.com
Plastic Gears

InvoSpline, Inc.
2357 East Nine Mile Rd. • Warren, MI 48091
(800) 959-0884 • (586) 757-8840
www.invospline.com
Gears

Ion Vacuum (IVAC) Technologies Corp.
18678 Cranwood Pkwy.
Warrensville Hgts., OH 44128
(888) 216-4822 • (216) 662-5158
www.ivactech.com
Coatings - Regrinding - Consulting

IonBond
1823 East Whitcomb
Madison Heights, MI 48071
(800) 929-1794 • (248) 398-9100
www.ionbond.com
Coatings

Iosso Metal Processes
1485 Lively Blvd • Elk Grove, IL 60007
(847) 437-8400
www.iossometprocesse.com
Coatings

Ipsen, Inc.
984 Ipsen Rd. • Cherry Valley, IL 61016
(815) 332-4941
www.ipsenusa.com
Coatings

ITW Heartland
1601 36th Ave. • Alexandria, MN 56308
(800) 253-7940 • (320) 762-1645
www.itwheartland.com
Gears

J

J. Schneeberger
1380 Gateway Dr. • Suite # 8
Elgin, Illinois 60123
(847) 888-3498
www.schneeberger-us.com
Hob Sharpening

Jewelers Machinists Co.
400 Columbus Ave. • North Babylon, NY 11704
(631) 661-5020
www.jewelersmachinists.com
Thread Grinding

JF Heat Treating, Inc.
409 Airport Rd. • Gastonia, NC 28054
(704) 864-0998
www.jfheattreating.com
Heat Treating

Joseph Finn Co., Inc.
188 Needham St. • Newton, MA 02464
(617) 964-1886
www.josephfinn.com
Auctioneers

K

Ka-Wood Gear & Machine Co.
32500 Industrial Dr.
Madison Heights, MI 48071
(248) 585-8870
www.kawoodgear.com
Gears

Ketchie-Houston, Inc.
201 Winecoff School Rd. • Concord, NC 28027
(888) 550-0030
(704) 786-5101
www.ketchiehouston.com
Gears

KISSsoft USA, LLC
3719 N. Spring Grove Rd.
Johnsburg, IL 60051
(815) 363-8823
www.kisssoft.com
Gear Software

Klauber Machine & Gear Company
1101 Geartech Pkwy. • Pacific, MO 63069
(636) 257-3002
www.klaubergear.com
Gears

Kleiss Gears, Inc.
390 Industrial Ave. • Grantsburg, WI 54840
(715) 598-4486
www.kleissgears.com
Plastic Gears

Koeper America, LLC
636 Schneider Dr. • South Elgin, IL 60177
(847) 931-4121
www.koeperamerica.com
New Equipment Manufacturer

Koro Industries, Inc.
9530 85th Ave. North
Maple Grove, MN 55369
(763) 425-5247
www.koroind.com
Gears - Hob Sharpening

Koster Industries
40 Daniel St. • Farmingdale, NY 11735
(631) 454-1766
www.kosterindustries.com
Auctioneers

Kreiter-Geartech
2530 Garrow St. • Houston, TX 77003
(713) 237-9793
Gears

L

L.M. Gear Company
50550 E. Russell Schmidt Blvd.
Chesterfield, MI 48051
(586) 949-8800
www.lmgear.com
Gears

Lapham-Hickey Steel
5500 West 73rd St. • Chicago, IL 60638
(800) 323-8443
www.lapham-hickey.com
Raw Materials

Lawler Gear Corp.
1320 SE Hamblen Rd.
Lees Summit, MO 64081
(816) 525-0002
www.lawlergear.com
Gears

Larson Forgings
2645-45 North Keeler Ave. • Chicago, IL 60639
(773) 772-9700
www.larsonforge.com
Forgings

KISSsoft USA, LLC
3719 N. Spring Grove Rd.
Johnsburg, IL 60051
(815) 363-8823
www.kisssoft.com
Gear Software

Klauber Machine & Gear Company
1101 Geartech Pkwy. • Pacific, MO 63069
(636) 257-3002
www.klauberger.com
Gears

Klever America, LLC
636 Schneider Dr. • South Elgin, IL 60177
(847) 931-4121
www.klaveramerica.com
New Equipment Manufacturer

Koro Industries, Inc.
9530 85th Ave. North
Maple Grove, MN 55369
(763) 425-5247
www.koroind.com
Gears - Hob Sharpening

Koster Industries
40 Daniel St. • Farmingdale, NY 11735
(631) 454-1766
www.kosterindustries.com
Auctioneers

Kreiter-Geartech
2530 Garrow St. • Houston, TX 77003
(713) 237-9793
Gears

L

L.M. Gear Company
50550 E. Russell Schmidt Blvd.
Chesterfield, MI 48051
(586) 949-8800
www.lmgear.com
Gears

Lapham-Hickey Steel
5500 West 73rd St. • Chicago, IL 60638
(800) 323-8443
www.lapham-hickey.com
Raw Materials

Lawler Gear Corp.
1320 SE Hamblen Rd.
Lees Summit, MO 64081
(816) 525-0002
www.lawlergear.com
Gears
LI Gear
1292 Lakeview Dr. • Romeoville, IL 60446
(630) 226-1688
www.ligear.com
Gears

Lingotec Translations
4 Edith Cottages • Hansford Lane
St. Helier • JE2 3JL • Jersey, UK
44 0 1534 498 604
www.lingotec.co.uk
Technical Translations

Linn Gear Company
100 North 8th St. • P.O. Box 397
Lebanon, OR 97355
(877) 547-2471
(541) 259-1211
www.linngear.com
Gears

LiquiTec Industries
10218 N. Port Washington Rd.
Mequon, WI 53092
(262) 241-1000
www.liquitec.net
Auctioneers

Loudon Industries, Inc.
140 Landis Dr. • Mercersburg, PA 17236
(717) 328-9808
www.loudonindustries.com
Gears

Lubrication Engineers, Inc.
300 Bailey Ave. • Fort Worth, TX 76107
(800) 537-7683
(817) 916-3200
www.le-inc.com
Lubricants

Ludeca, Inc.
1425 NW 88th Ave. • Doral, FL 33172
(305) 591-8935
www.ludeca.com
New Equipment - Vibration Analysis

Lufkin-RMT, Inc.
4181 Bolivar Rd. • Wellsville, NY 14895
(585) 593-3700
www.rmt-inc.com
Gearboxes

M

Mabry Castings
6531 Industrial Rd. • Beaumont, TX 77705
(409) 842-2223
www.mabrycastings.com
Castings

Machine Tool Builders, Inc.
7723 Burden Rd. • Machesney Park, IL 61115
(815) 636-7502
www.machinetoolbuilders.com
Retrofitting - Rebuilding

Machinery Marketing International LLC
1101 W. Monroe St. Ste 1A • Chicago, IL 60607
(312) 226-4150
www.mmi-auction.com
Auctioneers

Marple’s Gears, Inc.
728 W. Santa Anita St.
San Gabriel, CA 91776
(800) 276-4327
www.marplesgearsinc.com
Gears

Martin Sprocket & Gear, Inc.
3100 Sprocket Dr. • Arlington, TX 76015
(817) 258-3000
www.martinsprocket.com

Maynards Industries
21700 Northwestern Hwy., Suite 1180
Southfield, MI 48075
(248) 569-9781
www.maynards.com
Auctioneers

McCullough Industries, Inc.
P.O. Box 222 • Kenton, OH 43326
(800) 245-9490
www.mcculloughind.com
Gears

KISSsoft Highlights

• Intuitive concept design on system level with KISSdesign
• Rolling bearing calculation with connection to SKF cloud
• Contact pattern of asymmetrical gears
• Crossed helical gear with rack
• Feasibility assessment for „Power Skiving“

Free trial version at www.KISSsoft.com

KISSsoft AG/Gleason Sales
Brian P. Stringer
Phone (585) 494-2470
info@KISSsoft.com

KISSsoft
Drivetrain Design Solutions

Machine Manufactured GEAR RACKS & GEARS

- Custom gear racks in AMERICAN and METRIC standards, STRAIGHT and HELICAL, VARIOUS materials, FINE and COARSE pitch (254 D.P. – 0.5 D.P.; 0.10 Module – 50 Module); hard-cut (up to 60 Rc) and soft-cut (up to 40 Rc); 32” face width, Up to 82” lengths – longer lengths through resetting
- Custom gears in AMERICAN and METRIC standards (3 D.P. – 72 D.P., 10” Diameter)
- Precision Quality up to AGMA 12
- Prototype & Production quantities
- Breakdown Service Available
- Reverse Engineering
- Unique Tooth Configurations
- Heat Treating
- Complete CNC Machining

KISSsoft

365 BALM COURT • WOOD DALE, IL 60191
630-766-2652 • FAX 630-766-3245 • WWW.GEARACKS.COM

November 2019 35
SERVICES

McInnes Rolled Rings
1533 E. 12th St. • Erie, PA 16511
(800) 569-1420
www.mcinnesrolledrings.com
Raw Materials

Mechanical & Structural Analysis & Software (MSDS)
2814 East Shea Dr. • Fresno, CA 93720
(559) 298-4862
Software - Consulting

Merit Gear LLC
810 Hudson St. • Antigo, WI 54409
(800) 756-3748
www.meritgear.com
Gears

Metal Improvement Co.
80 Rt 4 East, Suite 310 • Paramus, NJ 07652
(201) 843-7800
www.metalimprovement.com
Shot Peening - Heat Treating

Metal Powder Products Co.
16855 Southpark Dr., Ste. 100
Westfield, IN 46074
(800) 783-2420 • (317) 580-2420
www.metalpowder.com
Gears

Metal Treating Institute
504 Osceola Ave. • Jacksonville, Beach, FL 32250
(904) 249-0448
www.heattreatonline.com
Consulting - Education

Metallurgical High Vacuum Corporation
6708 124th Ave. • Fennville, MI 49408
(269) 543-4291
www.methivac.com/ght
Heat Treating

Micro Surface Corporation
270 Hillsdale Ave. • San Jose, CA 95136
(408) 723-0700
www.wa2coating.com
Lubricants - Coatings

Midwest Gear & Tool, Inc.
15700 Common Rd. • Roseville, MI 48066
(586) 779-1300
Gears

Midwest Gear Corporation
2182 East Aurora Rd. • Twinsburg, OH 44087
(330) 425-4419
Gears

Midwest Thermal-Vac
5727 95th Ave. • Kenosha, WI 53144
(877) MTV-2003
www.mtvac.com
Vacuum Carburizing

Mikronite Technologies
556 Industrial Way West • Eatontown, NJ 07724
(732) 544-2250
Surface Finishing

Mitsui Chemicals America, Inc.
800 Westchester Ave., • Suite N607
Rye Brook, NY 10573
(914) 253-0777
www.mitsuichemicals.com
Raw Materials

Moore Gear & Manufacturing Co., Inc.
#2 Hawthorne Dr. • P.O. Box 49
Herrmann, MO 65041
(573) 486-5415
www.mooregear.com
Gears - Gear Racks

Moore Machine & Gear, Inc.
10920 North St. Joseph Ave.
Evansville, IN 47720
(812) 963-3074
www.moorecustomgear.com
Gears

Moore-Addison Co.
518 Factory Rd. • Addison, IL 60101
(877) 690-5512
(630) 543-6744
www.mooreaddison.com
Laminates - Plastics

Mosey Manufacturing Co., Inc.
262 Fort Wayne Ave. • Richmond, IN 47374
(765) 983-8785
www.moseymanufacturing.com
Machining Services

Motion Industries
1605 Alton Rd. • Birmingham, AL 35210
(205) 956-1122
www.motionindustries.com
Equipment

Motor & Gear Engineering, Inc.
3545 McCall Place, Suite B
Doraville, GA 30340
(770) 454-9001
www.motorgearengineer.com
Gears - Gearboxes

Mound Tool Company
9301 Watson Industrial Park
St. Louis, MO 63126
(314) 968-3991
www.osborne-tech.com
Rawhide Gears

Myers Precision Grinding
19500 South Miles Rd.
Warrensville Heights, OH 44128
(216) 587-3757
www.myersprecision.com
Gears

Myron Bowling Auctioneers
P.O. Box 369 • Ross, OH 45061
(513) 738-3311
www.myronbowling.com
Auctioneers
The Global Market Leader in Mission-Critical Integrated Heat Treatment Solutions

Backed by 70 years of experience, it is our mission to strengthen materials through expert-driven solutions. We are committed to delivering proven technology for a range of applications that enable you to transform space exploration, improve titanium medical implants and develop more efficient cars and jet engines.

Vacuum  Atmosphere  Customer Service  Parts  Rebuilds & Retrofits  Controls
AMERICAN GEAR INC.
Precision Gears for Every Industry and Application Since 1990

PROVIDING THE USUAL ... OFFERING THE UNUSUAL

American Gear take pride in offering full range of products from standard worm or helical gears to gears designed for custom or unique applications.

- Spur Gears
- Helical Gears (Hobbed – up to 45 degrees Helix)
- Worm Gears (Throated, Straight Face or Multiple)
- Ratchets
- Sprockets
- Straight Bevel Gears (Gleason Coniflex)
- Miter Gears (Gleason Coniflex)
- Timing Pulleys
- Prototypes
- Assembly

800-811-3416 • info@americangearinc.com

WE ARE A LITTLE EDGY
When it comes to your productivity

Gear manufacturers need tools returned quickly. We sharpen your perishable assets to meet or surpass original sharpening specifications ... rapidly. That is what we do.

Enabling our customers to continually cut teeth since 1999.

- HOB SHARPENING
- SKIVE CUTTER SHARPENING
- COME SEE OUR SKIVE CUTTER SHARPENING MACHINE AT MPT EXPO 2019

216-642-5900
Fax: 216-642-8837 • Email: gallen@gallenco.com
5755 Canal Road, Valley View, OH 44125
TRICKY MEASURING TASK?

Measuring machines covering a range up to Ø 6,000 mm.
Functional gauges and inspection - your perfect measuring equipment.

WE’VE GOT YOU COVERED!

KAPP NILES Metrology

kapp-niles.com  info@kapp-niles.com  (303) 447-1130
R.T. Blackhawk Machine Products, Inc.
956 Gardner St. •
South Beloit, IL 61080
(815) 389-3632
www.callblackhawk.com
Gears

Rack & Pinion, Inc.
135 Main St. • Horton, MI 49246
(517) 563-8136
www.rack-and-pinion.com
Gears

Rapid Gear
Canada
(519) 748-4828
www.rapidgear.com
Gears

Raycar Gear & Machine Co.
6125 11th St. • Rockford, IL 61109
(815) 874-3948
www.raycargear.com
Gears

Regal Gear, Inc.
281 Langdon Ave. • Box 69
Wilmington, OH 45177
(937) 382-2815
Gears

Regal Products, Inc.
4482 Eleventh St. • Rockford, IL 61109
(815) 387-2162
www.regalproducts.com
Induction Heating Design - Repair

Reliance Gear Corporation
205 Factory Rd. • Addison, IL 60101
(630) 543-6640
www.reliancegear.com
Gears

REM Chemicals, Inc.
325 West Queen St. • Southington, CT 06489
(860) 621-6755
www.remchem.com
Metal Finishing

Renk Corporation
304 Tucapau Rd. • Duncan, SC 29334
(864) 433-0069
www.renk.biz
Gears

Renold Power Transmission Corporation
2307 Maden Dr. • Morristown, TN 37813
(800) 251-9012
www.renold.com
Gears

Rexnord Geared Products
4701 W. Greenfield Ave. • Milwaukee, WI 53214
(414) 643-3000
www.rexnord.com
Gear Dr.s

Richardson Manufacturing
2209 Old Jacksonville Rd.
Springfield, IL 62704
(217) 546-2249
www.rmc-bigcnc.com
Gears

Riley Gear Corporation
One Precision Dr. • St. Augustine, FL 32092
(904) 829-5652
www.rileygear.com
Gears

Riverside Spline & Gear, Inc.
1390 South Parker • P.O. Box 340
Marine City, MI 48039
(866) 306-0137 • (810) 765-8302
www.splineandgear.com
Splines - Gears

Robust Gear Manufacturing, Inc.
768 Westgate Rd, Units 3 & 4
Oakville, ON L6L 5N2 • Canada
(866) 661-4687
www.robustgear.com
Gears

Rochester Gear, Inc.
213 Norman St. • Rochester, NY 14613
(585) 254-5442
www.rochestergear.com
Gears

Sourcing Made Simple
Trusted Gear Blank Supplier Since 1950

- Consistent Quality
- Broad Capability & Capacity
- Exceptional People
- On-time Delivery

ISO 9001 and TS 16949 registered. Presses up to 4000T and volumes up to 750K/year. Supported by in-house heat treat and an ISO 17025 metallurgical lab.

walkerforge.com | 414.223.2000
Romax Technology, Inc.
201 West Big Beaver Rd. • Troy, MI 48084
(248) 250-7691
www.romaxtech.com
Gears

Ronson Gears
18 Teton Court, Highett • Victoria 3190 • Australia
61 3 9555-9822
www.ronsongears.com
Gears

Rotek
1400 South Chillicothe Rd. • PO Box 312 • Aurora, OH 44202
800-221-8043
www.rotek-inc.com
Consulting

Rush Gears, Inc.
550 Virginia Dr. • Ft. Washington, PA 19034
(215) 542-9000
www.rushgears.com
Gears

Schafer Gear Works, Inc.
4701 Nimtz Pkwy. • South Bend, IN 46628
(574) 234-4116
www.schafergear.com
Gears

Schwartz Precision Gear Co.
24649 Mound Rd. • Warren, MI 48091
(586) 754-4600
Gears

Scot Forge
8001 Winn Rd. • Spring Grove, IL 60081
(847) 587-1000
www.scotforge.com
Forging

Seco-Warwick Corporation
180 Mercer St. • Meadville, PA 16335
(814) 332-8400
www.secowarwick.com
Heat Treating

Seitz Corporation
212 Industrial Lane • Torrington, CT 06790
(860) 489-0476
www.seitzcorp.com
Gears

SETCO Precision Solutions
5880 Hillside Ave. • Cincinnati, OH 45233
(513) 941-5110
www.setcousa.com
Spindles

Smart Manufacturing Technology
67-69 Hounds Gate • Nottingham NG1 6BB, UK
44 0 115 941 9839
www.smartmt.com
Gear Software

Solo World Partners
13725 Pennsylvania Rd. • Rearview, MI 48193
(734) 282-7200
www.solowp.com
Global Sourcing

S

G&E Model 120GH CNC Gear Gasher
• 150” Diameter – can extend to 8M Diameter
• NEW CONDITION

THE #1 SOURCE FOR YOUR USED GEAR MACHINERY — AND MORE!
SERVICES

- Broaching tools
- Broaching machines
- Production broaching
- Broach resharpening
- 3D design capability
- Pot broaching experts
- Aero disc & blade broaching specialists

307 Salisbury Street
Morenci, MI 49256
517-458-7555
information@generalbroach.com
AS9100D & ISO 9001:2015

GBC
GENERAL BROACH COMPANY

SPECIALTIES
- Broaching tools
- Broaching machines
- Production broaching
- Broach resharpening
- 3D design capability
- Pot broaching experts
- Aero disc & blade broaching specialists

THE VALUE CHOICE

Spectrum Machine, Inc.
1668 Frost Rd. • Streetsboro, OH 44241
(330) 626-3666
www.spectrummachine.com
Raw Materials

Stack Metallurgical Services
5938 N. Basin Ave. • Portland, OR 97217
(503) 285-7703
www.stackmet.com
Heat Treating

Steward Machine Co., Inc.
3911 13th Ave. North
Birmingham, AL 35234
(205) 841-6461
www.stewardmachine.com
Gears

Stewart Gear Manufacturing
1502 W. May Ave. • Gastonia, NC 28052
(704) 865-5003
www.stewartgear.com
Gears

Stock Dr. Products - Sterling Instrument
2101 Jericho Turnpike • Box 5416
New Hyde Park, NY 11042
(516) 328-3300
www.sdp-si.com
Gears

Stor-Loc Modular Drawer System
880 N. Washington Ave. • Kankakee, IL 60901
(800) 786-7562
www.storloc.com
Toolbox/Workstations
HFL-IQ SERIES

When you need a new vacuum furnace to keep up with growing demands, we’ve got you covered with our HFL-IQ Series horizontal production furnaces. Standard features set us apart like improved graphite insulation materials, curved graphite heating elements, high velocity gas quench systems, and SolarVac® interactive control systems. Matched with our outstanding customer service and reliable Aftermarket support, we will keep your furnace running year after year.
Stotz Gaging Co.
2500 N. Latham St. • Rockford, IL 61103
(815) 962-6076
www.stotz-usa.com
Guages

Summit Gearworks, Inc.
1017 Rife Rd. • R.R. #2
Cambridge, ON N1R 5S3
Canada
(519) 620-1655
www.summitgearworks.com
Gears

Super Systems, Inc.
7205 Edington Dr • Cincinnati, OH 45249
(513) 772-0060
www.supersystems.com
Heat Treating

Supreme Gear Company
17430 Malyn • Fraser, MI 48026
(586) 294-7625
Gears

SW & Sons USA, Inc.
777 RPM Dr. • P.O. Box 449
Loudon, TN 37774
(865) 458-1777
www.swsons-usa.com
Gears

Talladega Machinery & Supply
301 N. Johnson Ave. • Talladega, AL 35161
(800) 289-8672
www.tmsgearsdirect.com
Gears

Tech Induction Corporation
13129 23 Mile Rd. • Shelby Twp., MI 48315
(586) 469-8324
www.techinduction.com
Forge Tooling

The Adams Company
8040 Chavenelle Rd. • Dubuque, IA 52002
(563) 583-3581
www.theadamscompany.com
Gears

The Broach Masters, Inc.
1605 Industrial Dr. • Auburn, CA 95603
(530) 885-1939
www.broachmasters.com
Broaches - Gears

The Cincinnati Steel Treating Co.
5701 Mariemont Ave. • Cincinnati, OH 45227
(513) 271-3173
www.steeltreating.com
Heat Treating

The Company Corporation
2711 Centerville Rd., Ste. 400
Wilmington, DE 19808
(800) 818-6082
www.incorporate.com
Consulting

The Dayton Forging & Heat Treating
215 North Findlay St. • Dayton, OH 45403
(937) 253-4126
www.daytonforging.com
Forgings

The Euclid Heat Treating Company
1408 E. 222 St. • Cleveland, OH 44117
(800) 962-2909
www.euclidheattreating.com
Heat Treating

The Flame Treating & Engineering Co.
702 Oakwood Ave. • West Hartford, CT 06110
(860) 953-3519 • (860) 969-FLAME
www.flametreating.com
Heat Treating

The Gear Works - Seattle, Inc.
500 South Portland St. • Seattle, WA 98108
(206) 762-3333
www.thegearworks.com
Gears

The HERRING Group, Inc.
P.O. Box 884 • Elmhurst, IL 60126
(630) 834-3017
www.heat-treat-doctor.com
Heat Treating - Consulting

THE ANSWER
FOR TOUGH FRICTION PROBLEMS

Dry Film Lubricants

Tungsten Disulphide & Molybdenum Disulphide
• Professionally bonded in house
• Eliminate galling, fretting and drag
• Extend wear life
• Capabilities beyond practical limits of oils and greases
• Used in ultra-high vacuum, aerospace, medical and more

For Soft & Hard Metals
• Guaranteed not to imbed—will not continue to cut
• Helps to fit bearings, valves, bushings, gears and guides
• Removes tool marks and high-spots
• Precision Finish

PROCESS SL39 - MIL - SPEC - DOD - L - 85645

408.723.0700
270 Hillsdale Avenue • San Jose, CA 95136
Fax: 408.723.0710
E-mail: info@ws2coating.com
www.ws2coating.com

THE LEADER IN HIGH SPEED BROACHING TECHNOLOGY

Ty Miles, Inc.
The Leader in High Speed Broaching Technology

• Builders of a full line of new broaching machines
• Builders of special machines that include broaching and or other secondary machining operations.
• Remanufactured broaching machines.
• Full line of Broach Tooling
• PRODUCTION BROACHING--both internal and surface.
• BROACH SHARPENING and reconditioning services.

408.723.0700
270 Hillsdale Avenue • San Jose, CA 95136
Fax: 408.723.0710
E-mail: info@ws2coating.com
www.ws2coating.com

Ty Miles, Inc.
9855 Derby Lane
Westchester, IL 60154
Phone: 708-344-5480
Fax: 708-344-0437
E-mail: tymiles@aol.com
Website: www.tymiles.com
Contact: Steve Mueller
VCST Powertrain Components, Inc.
13854 Lake Side Circle, Ste. 201
Sterling Heights, MI 48313
(586) 685-1747 • vcst.com
Gears

Viking Forge
4500 Crane Centre Dr. • Streetsboro, OH 44241
(330) 562-3366 • viking-forge.com
Forgings

W

W.M. Berg, Inc.
5138 S. International Dr. • Cudahy, WI 53110
(800) 232-BERG • (414) 747-5800
www.wmberg.com
Gears

Walker Forge, Inc.
222 East Erie St.
Suite 300, Milwaukee, WI 53202
(414) 223-2000 • walkerforge.com
Forgings

Welter Maschinen & Zahnradfabrik
Karl-Kammer-Str. 7 • Lahr D-77993 • Germany
49 7821 923-0 • www.welter-lahr.de
Gears - Retrofitting - Rebuilding

Worcester Gears & Racks, Inc.
627 Main St., North • Oxford, MA 01537
(508) 987-8003 • www.wgear.com
Gears

Workrite Aerostar
6319 Discount Dr. • Fort Wayne, IN 46818
(260) 489-4778 • www.workriteaerostar.com
Gears

X

X-R-I Testing
1981 Thunderbird • Troy, MI 48084
(877) 974-4638 • www.xritesting.com
Machines

Y

Yarde Metals
45 Newell St. • Southington, CT 06489
(860) 406-6061 • www.yarde.com
Raw Materials

Z

Zion Industries, Inc.
6229 Grafton Rd. • Valley City, OH 44280
(330) 483-4650 • zioninduction.com
Heat Treating

ZVL-ZKL Bearings Corp.
1640 Midwest Blvd. • Indianapolis, IN 46214
(317) 481-2077 • www.zklbearings.com
Bearings

MAXIMIZE YOUR EXPOSURE

FOR ONLY
COMMUNITY
$350
PER YEAR
JOIN THE
GEAR SOLUTIONS
COMMUNITY FOR ONLY $350 PER YEAR

Connect your company to the gear industry with a storefront in the Gear Solutions Community. Storefronts paint a portrait of your company with a 500-word description and include your logo, website link, phone number, email addresses, and videos. With a community storefront, your company also receives a premium listing in the annual Buyer’s Guide published each November.

For information on how you can participate in the GearSolutions.com community storefront, contact chad@gearsolutions.com.

Chad Morrison – associate publisher
800.366.2185 x 202
PERFECTION CREATED BY PRECISION.

www.heat-treatment-services.com

Global service centers

- LIMBACH OBERFROHNA
- GERMANY
- PORT HURON, MICHIGAN
- USA
- RAMOS ARIZPE, COAHUILA
- MEXICO

ALD is a leader in vacuum process technology and heat treatment services.

Precision and perfection in the pieces that we treat under our patented thermal process.

Leaders in the control of distortion

- Low Pressure Carburizing
- High pressure gas quenching
- Gas Nitriding
- Ferritic Nitro Carburizing
- Normalizing
- Hardening
- Annealing
- Brazing
- Cryogenic Treatments
- Engineering services and process development
- Prototype and trials

Thomas Lord, Sales Director
United States ALD Port Huron
ALD Thermal Treatment Inc.
2656 24th Street
Port Huron, MI, USA 48040
Cell Number +1 (810) 300-1437
Email: tlord@aldtt.net

Christopher Totten, Sales – Canada / USA,
Office Phone +1 810 357 0634
Cell Phone +1 810 300 3601
e-mail: sales@aldtt.net

Edwin Orozco, Sales Director – Mexico
Office Phone +52 844 866 9791
Cell Phone +52 1 844 277 2257
ventas@aldtt-mexico.com
eorozco@aldtt-mexico.com

Moises Garcia – Sales Director - Bajio
Cell Phone +521 (844) 277 2254
ventas@aldtt-mexico.com

Mexico ALD Tratamientos Térmicos S.A. de C.V.
Advent Tool & Manufacturing supplies machine shops and manufacturers across the globe with solid carbide, inserted thread mills, and custom form mills designed and manufactured to specifically meet its customers’ machining needs.

By KENNETH CARTER, Gear Solutions editor

Tooling is a quintessential part of gear manufacturing, and one company’s needs are — more often than not — different from everyone else’s.

That’s why it’s important to offer catered solutions that can be custom made — which is where Advent Tool & Manufacturing can make a difference.

“We’re more of a problem-solving company when it comes to cutting complex forms and things like that,” said James Hartford, president of Advent Tool & Manufacturing. “We’ll always be here to do the custom work. We have an engineering staff, and we’re constantly looking at customer needs. We deal a lot with the end user and issues that they run across.”

MANY GEAR MANUFACTURING OPTIONS

In addition to its custom tooling, Advent Tool offers up a lot of options for the gear industry, including involute splines, helical gear cutters, thread mills, spline and gear mill inserts, solid carbide thread mills, and helical shell mill holders and inserts, according to Hartford.

“We do broaching, like on the mill turn centers,” he said. “We do a lot of broaching of keyway slots and involute splines.”

Custom splines are a big part of Advent’s business, according to Hartford.

“A lot of the splines that we do are not standards,” he said. “Most of our customers come in, and they’re looking for fillet root side fed or flat root, and they’ve all been modified a little bit. As you know, Caterpillar has their specs; John Deere has theirs. All of these gear manufacturers have different specs. And we’ll do a lot of reverse engineering for customers as well.”

MACHINING CENTER

Where the gear industry is concerned, Advent basically finishes the product on the machining center, according to Hartford.

“We can cut it, because we’re cutting it with carbide,” he said. “And we can go in there and broach it, or broach to a shoulder or mill it. We’re able to do a lot of high-speed milling. And it cuts the costs for the customer, because he’s able to do it in his machining center, and he doesn’t have to go to a gear-hobbing situation. A lot of these heads on the new machining centers are so accurate. They’re glass scaled. They’re probably as accurate — or more accurate — than some of the old hobbing machines.”

Advent’s end result to solving a customer’s needs may vary, but the initial approach is often the same, according to Hartford.
WORKING WITH THE CUSTOMER
"We have a full engineering staff here that will work on the gear or a spline software," he said. "If they give us a spec, we'll normally design it and do a drawing of it for the customer and give them the specs — the pitch diameter, all the wire, gauging, sizing, and everything else. And then we'll send it to them for their approval, so they know what they're getting right off the bat — so it matches what they're making. And if it's custom, we may have to modify it. But that's what we'll do. And if they turn around and say they want a square-shouldered cutter, we'll design it; we'll draw it; we'll make sure it's what they want, and we'll ship it off to them."

Advent works with a lot of European design DIN standards, and can assist in replacing and reworking parts that may no longer be available because of age, according to Hartford.

"People who are repairing equipment a lot of times, they'll have a spline they have to cut, and they don't know what it is, because it's often an older piece of equipment," he said. "They can send us the part or some of the dimensions, and we can reverse engineer it. We can look at this, and then come up with what they need. We can grind the insert and everything to match what they're looking for, and they can actually mill it in place."

CAPABLE AND COST EFFECTIVE
The bottom line for Advent is to be cost effective as well as capable, according to Hartford.

"We advertise, and we do a lot of service work for customers that maybe a big gear house doesn't have time or the capability to do," he said. "With the smaller customer or one at the development stage of this type of work, we'll come in and help a guy, from top to bottom, develop a process for his product or the gear or teeth he's making or forms that he's cutting. Ours is just like an engineered problem-solving thing. We've worked with a lot of machine-tool builders — Mazak, Okuma — where we'll come in and help do turnkeys for customers."

After Advent began offering thread milling, the company expanded into spline milling, which spurred the development of software to aid with those endeavors, according to Hartford. That was in the late 1990s, when Advent started marketing its involute spline cutting tooling.

"We didn't push it as hard as we probably should have, because the machines had to catch up to what we were able to do," he said. "And then, as the CNC machines were evolving, we fit our tooling into them."

As the machinery advanced even more, Advent was able to cut many different shapes and in different direc-
“We developed our own; we made our own cutters for it,” he said. “We did that on some Herco machining centers, and it cut the threads beautifully, and we got the job out. Other people liked the idea, and they wanted us to make more of them. We developed a customer base, and eventually, we phased into that.”

Once Advent was established making custom forms and thread forms in the 1980s, the company moved out of the contract machining part of the business and never looked back, according to Hartford.

**IN-HOUSE TESTING AND PRODUCTION**

Advent keeps all of its equipment in-house, which allows the company to keep a lot of its production under the same roof, according to Hartford.

“We do a lot of testing in-house,” he said. “We do so much here. We run across things that a lot of other companies don’t. Our machinery is up-to-date; it’s all computerized machinery. We try and see what we’re able to produce on the machine economically and accurately. And, if it works for us, it’ll work out in the field or out in the market.”

Hartford points out that Advent is currently looking into cutting custom forms in composite materials.

“That hasn’t hit the market yet,” he said. “But, as opposed to using diamond or very expensive PCD products on composites, we’re working with a custom carbide company now and doing a lot of testing and cutting composites. We’re seeing what tool life is and cutting the cost by 30 or 40 percent. We’re able to grind some of these materials with conventional equipment as opposed to having to laser burn or wire and still get the life out of it for cutting composite materials.”

**TIME IS MONEY**

Even though Advent is looking for ways to stay competitive in a constantly evolving industry, Hartford said it boils down to one simple tenet: Time is money.

“Basically, what we like to do is save time and money,” he said. “Our big thing is that we have a lot of stock splines and forms that we sell right out of the catalog. If a customer has one or two parts, he’s able to produce them economically with one of our holders and just change out inserts. He’s able to go in and cut that spline. It’s a very inexpensive machine. They can turn those one or two parts around and get them to their customer quickly, as opposed to going out and have somebody else do the hobbing.”

Part of that constant evolution is the development of new equipment and building better tooling, while trying to stay cost effective, according to Hartford.

“We’re always working with the end user; we try and stay involved with what’s out there,” he said. “Not everybody can afford an expensive hobbing machine. But if they have a good mill turn center, all of a sudden, now they can do it in-house. A lot of these Swiss screw machines are doing splines and shafts in-house now because of this tooling.”

---

45 YEARS AGO

Advent Tool & Manufacturing opened its doors in October of 1974 where it started life as a contract machine shop, according to Hartford.

“We did a lot of contract machining, all custom parts for a variety of customers,” he said.

When a job surfaced that needed threads cut on a square part in a machining center, Hartford and his colleagues were forced to create the tooling to make it.
With 70 years of experience, we can handle all your custom workholding needs. Drewco Corporation is a family run business led by a team of engineers and machinists. We are backed by original patents, years of experience, and proven effective designs.
<table>
<thead>
<tr>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
<th>Website</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-W Systems Company</td>
<td>1901 Larchwood Dr. Troy, MI 48083</td>
<td>(248) 524-0778</td>
<td>gearsolutions.com</td>
<td>Gear Cutting Tools</td>
</tr>
<tr>
<td>A. Finkl &amp; Sons</td>
<td>2011 N. Southport Ave. Chicago, IL 60614</td>
<td>(800) DIE-BLOCK</td>
<td><a href="http://www.finkl.com">www.finkl.com</a></td>
<td>Raw Materials</td>
</tr>
<tr>
<td>Acme Wire Products Co., Inc.</td>
<td>P. O. Box 218, 1 BRd.way Ext. Mystic, CT 06355</td>
<td>(800) 723-7015</td>
<td><a href="http://www.acmewire.com">www.acmewire.com</a></td>
<td>Wire Racks</td>
</tr>
<tr>
<td>Advent Tool &amp; Manufacturing, Inc.</td>
<td>710 Anita Ave. Antioch, IL 60002</td>
<td>(800) 847-3234</td>
<td><a href="http://www.advent-threadmill.com">www.advent-threadmill.com</a></td>
<td>Gear Cutting Tools</td>
</tr>
<tr>
<td>AJAX Rolled Ring and Machine</td>
<td>500 Wallace Way York, SC 29745</td>
<td>(800) 727-6333</td>
<td><a href="http://www.ajaxring.com">www.ajaxring.com</a></td>
<td>Raw Materials</td>
</tr>
<tr>
<td>Ajax Tool Supply</td>
<td>575 N Hague Ave. Columbus, OH 43204</td>
<td>(800) 543-5998</td>
<td><a href="http://www.ajaxtoolsupply.com">www.ajaxtoolsupply.com</a></td>
<td>Gear Cutting Tools</td>
</tr>
<tr>
<td>All Metals &amp; Forge Group LLC</td>
<td>75 Lane Rd. Fairfield, NJ 07004</td>
<td>(800) 600-9290</td>
<td><a href="http://www.steelforge.com">www.steelforge.com</a></td>
<td>Raw Materials</td>
</tr>
<tr>
<td>Allied Machine &amp; Engineering Corp.</td>
<td>120 Deeds Dr. Dover, OH 44622</td>
<td>(800) 321-5537</td>
<td><a href="http://www.alliedmachine.com">www.alliedmachine.com</a></td>
<td>Cutting Tools</td>
</tr>
<tr>
<td>Alpha Workholding Solutions</td>
<td>820 Cochran St. Statesville, NC 28677</td>
<td>(877) 217-6900</td>
<td><a href="http://www.alpha">www.alpha</a> workholding.com</td>
<td>Magnetic Workholding Fixtures</td>
</tr>
<tr>
<td>American Broach &amp; Machine Co.</td>
<td>575 South Mansfield St. Ypsilanti, MI 48197</td>
<td>(734) 961-0300</td>
<td><a href="http://www.americanbroach.com">www.americanbroach.com</a></td>
<td>Broaching Tools</td>
</tr>
<tr>
<td>American Gear Tools</td>
<td>575 South Mansfield Ypsilanti, MI 48197</td>
<td>(734) 961-0300</td>
<td><a href="http://www.americanbroach.com">www.americanbroach.com</a></td>
<td>Gear Cutting Tools</td>
</tr>
<tr>
<td>Apollo Broach, Inc.</td>
<td>39001 Webb St. Westland, MI 48185</td>
<td>(734) 467-5750</td>
<td><a href="http://www.apollobroach.com">www.apollobroach.com</a></td>
<td>Broaching Tools</td>
</tr>
<tr>
<td>BASF</td>
<td>100 Park Ave. Florham Park, NJ 07932</td>
<td>(800) 526-1072</td>
<td><a href="http://www.basf.com">www.basf.com</a></td>
<td>Lubricants</td>
</tr>
<tr>
<td>Blaser Swisslube, Inc.</td>
<td>31 Hatfield Lane Goshen, NY 10924</td>
<td>(845) 294-3200</td>
<td>blaser.com</td>
<td>Cutting Fluids</td>
</tr>
<tr>
<td>Brightton Laboratories</td>
<td>11871 Grand River Brighton, MI 48116</td>
<td>(866) 928-1201</td>
<td><a href="http://www.brightonlabs.com">www.brightonlabs.com</a></td>
<td>Lubricants</td>
</tr>
<tr>
<td>Canada Broach</td>
<td>4478 Chesswood Dr., Unit 11 Toronto, ON M3J 2B9 Canada</td>
<td>(416) 398-9446</td>
<td><a href="http://www.canadabroach.com">www.canadabroach.com</a></td>
<td>Broaching Tools</td>
</tr>
<tr>
<td>Carmona Gear Cutting</td>
<td>2415 Kishwaukee St. Rockford, IL 61104</td>
<td>(815) 963-8236</td>
<td><a href="http://www.carmonagear.com">www.carmonagear.com</a></td>
<td>Gear Cutting Tools</td>
</tr>
<tr>
<td>CIMCOOL Global Industrial Fluids</td>
<td>3000 Disney St. Cincinnati, OH 45209</td>
<td>(888) 246-2665</td>
<td><a href="http://www.cimcool.com">www.cimcool.com</a></td>
<td>Lubricants</td>
</tr>
</tbody>
</table>

In the following company listings, the special shaded boxes around some listings denote a company that participates in our gearsolutions.com community storefront. A storefront includes bonus exposure on our website including a profile of your company, integration with your social media pages, your company’s logo, and videos, all in a customized design. Plus, your company will receive exclusive inclusion on our Gear Solutions mobile app. To learn more about how your company can benefit from a gearsolutions.com community storefront, contact Chad Morrison at (800) 366-2185 ext. 202 or chad@gearsolutions.com.
SEE YOU IN ST. LOUIS
MOVING THE FUTURE.

STAY UP TO DATE AT WWW.MOTIONPOWEREXPO.COM

SEPTEMBER 14-16, 2021
AMERICA'S CENTER | ST. LOUIS, MISSOURI
Cole Manufacturing Systems, Inc.
750 Loggers Circle
Rochester, MI 48307
(248) 601-8145
www.colemfgsystems.com
Consultant

Colonial Tool Group, Inc.
1691 Walker Rd.
Windsor, ON N8W 3P1
Canada
(519) 253-2461
www.colonialtool.com
Broaching Tools - Spindles

Comtorgage Corporation
58 N.S. Industrial Dr.
Slatersville, RI 02876
(401) 765-0900
www.comtorgage.com
Gages

Concast Metal
Products Co.
131 Myoma Rd.
Mars, PA 16046
(800) 626-7071
www.concast.com
Raw Materials

Detroit Broach Company
2750 Paldan Dr.
Auburn Hills, MI 48326
(248) 370-0600
www.dbcbroach.com
Broaching Tools

Drewco Corporation
3745 Nicholson Rd.
Franksville, WI 53126
(262) 886-5050
www.drewco.com
Workholding

DT Technologies
Z1 Quest Champ-Colin 2
CH-1260 Nyon-Suisse
Switzerland
4122 362 8701
www.dttechnologies.com
Workholding

Eltool Corporation
1665 Central Ave.
Cincinnati, OH 45214
(877) 4ELTOOL
www.eltool.com
Drill Heads - Keycutters

Emuge Corporation
1800 Century Dr.
West Boylston, MA 01583
(800) 323-3013
www.emuge.com
Workholding, Cutting Tools

Engineered Tools Corporation
2710 West Caro Rd.
Caro, MI 48723
(989) 673-8733
www.engineeredtools.com
Gear Cutting Tools

Engis Corporation
105 West Hintz Rd.
Wheeling, IL 60090
(847) 808-9400
www.engis.com
Abrasives - Finishing Tools

Erasteel Kloster AB
SE-815 82 Soderfors
Sweden
46 293 543 00
www.erasteel.com
Raw Materials - High Speed Steel

Euro-Tech Corporation
N48 W14170 Hampton Ave.
Menomonee Falls, WI 53051
(262) 781-6777
www.eurotechcorp.com
New Equipment - Metrology

Spline Milling and Broaching on Traditional CNC Equipment
Utilizing custom ground form inserts and standard precision ground tool bodies with a precise insert locking and locating system.

Advent can turn spline hobbing operations into true milling scenario!

advent-threadmill.com
800.847.3234 | 100% Made in the USA
Knowledge
For answers regarding element life, reliability, or performance, simply speak to the engineer that designed your elements. Problems solved

Made In America
Avoid import delays, currency exchange rates, and high transportation costs. Our products arrive within days after leaving our facility, not weeks

Convenience
We handle any size order for any style heating elements, old or new, to meet your specific requirements

Local Support
We know your equipment! Our local sales reps and heating system design engineers are there to assist you.

Custom Electric Manufacturing
Your one-stop-shop for American-Made Heating Elements

Knowledge
For answers regarding element life, reliability, or performance, simply speak to the engineer that designed your elements. Problems solved

Made In America
Avoid import delays, currency exchange rates, and high transportation costs. Our products arrive within days after leaving our facility, not weeks

Convenience
We handle any size order for any style heating elements, old or new, to meet your specific requirements

Local Support
We know your equipment! Our local sales reps and heating system design engineers are there to assist you.

Custom Electric Manufacturing
Your one-stop-shop for American-Made Heating Elements
Extrude Hone Corp.
235 Industry Blvd.
Irwin, PA 15642
(724) 863-5900
www.extrudehoneafm.com
New Equipment - Finishing

ExxonMobil Corporation
3225 Gallows Rd.
Fairfax, VA 22037
(703) 846-3000
www.exxonmobil.com
Lubrication

Faessler Corporation
131 West Layton Ave., Ste. 308
Milwaukee, WI 53207
(414) 769-0072
www.faessler-usa.com
Gear Cutting Tools

Friedrich Gloor, Ltd.
P.O. Box 236
CH-2543 Lengnau
SWITZERLAND
41 32 6532 161
www.gloorag.ch
Gear Cutting Tools

Frisa
Valentine G. Rivero 127, Col. Los Trevino, Santa Catarina, Nuevo Leon, Mexico
(888) 882-0959
frisa.com
Raw Materials

Gear Tooling Solutions, LLC
9421 N. Haggerty Rd.
Plymouth, MI 48170
(734) 416-9300
www.greatlakesgeartech.com
Manufacturers Representative

Gleason Cutting Tools Corp.
1351 Windsor Rd.
Loves Park, IL 61111
(815) 387-6600
www.gleason.com
Gear Cutting Tools

Greg Allen Company
5755 Canal Rd.
Valley View, OH 44125
(216) 642-5900
www.gregallencompany.com
Hob Sharpening

HAINBUCH America Corp.
10541 N. Commerce St.
Mequon, WI 53092
(414) 358-9550
www.hainbuch.com
Workholding

Hanik Corporation
271 E. Beinoris Dr.
Wood Dale, IL 60191
(630) 595-7333
www.hankicorp.com
Gear Cutting Tools

Hermes Abrasives, Ltd.
524 Viking Dr.
Virginia Beach, VA 23452
(804) 464-314
(757) 486-6623
www.hermesabrasives.com
Abrasives

HobSource, Inc.
834 East Rand Rd. #2
Mount Prospect, IL 60056
(866) HOB-TOOL
www.hobsource.com
Gear Cutting Tools

Hydra-Lock Corporation
25000 Joy Blvd.
Mt. Clemens, MI 48043
(586) 783-5007
www.hydraulock.com
Workholding

Inex
9229 Olean Rd.
Holland, NY 14080
(716) 537-2270
www.inexinc.net
Heat Treating - Tubes

Ingersoll Cutting Tools
845 S. Lyford Rd.
Rockford, IL 61108
(815) 387-6600
www.ingersoll-imc.com
Gear Cutting Tools

James Engineering
2380 West Midway Blvd.
Unit 1
Broomfield, CO 80020
(303) 444-6787
www.james-engineering.com
New Equipment - Deburring Machines

Jerry Tools, Inc.
6200 Vine St.
Cincinnati, OH 45216
(513) 242-3211
www.jerrytools.com
Workholding

JLM Systems, Ltd./OilMiser
23091 Westminster Hwy.
Richmond, BC
V6V 1B9
www.oilmiser.com
Lubrication Systems - Filtration

JMR International, Inc.
5701 Industrial Ave.
Rockford, IL 61111
(815) 282-9330
www.jmrinternational.com
Manufacturers Representative

KAPP Technologies
2870 Wilderness Place
Boulder, CO 80301
(303) 447-1130
www.kapp-usa.com
New Equipment - Grinding

King Precision Technologies, Inc.
2827-A Gray Fox Rd.
Monroe, NC 28110
(704) 296-9100
www.kpt-inc.com
Manufacturers Representative

Klingelnberg America Inc.
118 East Michigan Ave.
Suite 200
Saline, Michigan 48176
(734) 470-6278
www.klingelnbergusa.com
Gear Cutting Tools

Klingelnberg GmbH
Germany
0049 2192 81 0
www.klingelnberg.com
Gear Cutting Tools

Klober Lubrication North America, LP
32 Industrial Dr.
Londonderry, NH 03053
(603) 647-4104
www.klober.com
Lubrication

Koepfer America, LLC
635 Schneider Dr.
South Elgin, IL 60177
(847) 931-4121
www.koepeferamerica.com
Remanufacture - Hob Sharpening
UNITED TOOL SUPPLY
851 Ohio Pike - Cincinnati, Ohio 45245 - 513-752-6000

SHOP HARDENED SOLUTIONS™

Unite-A-Matic™ PD Inspection
Fixtures
Roll-A-Matic™ PD Runout Inspection
Tooling
Surf-A-Matic™ Surface Finish Inspection

SERVICES

Mitutoyo Distributor
SPC Software & Data Collection
Technical Staffing
Prototype & Masters Gears

CAPABILITIES

Grinding
CNC Turning
CNC Milling
Brazing & Welding

HOME OF THE UNITE-A-MATIC™
For more information, please contact us at info@united-tool.com or (513) 752-6000
WWW.UNITED-TOOL.COM
Koro Sharpening Service
9530 85th Ave. North
Maple Grove, MN 55369
(763) 425-5247
www.koroind.com

Hob Sharpening

Leistritz Corp.
165 Chestnut St.
Allendale, NJ 07401
(201) 934-8262
www.leistritzcorp.com
New Equipment Manufacturer

Liebherr Gear Technology Co.
1465 Woodland Dr.
Saline, MI 48176
(734) 429-7225
www.liebherr.us
Gear Cutting Tools

LMT-Fette, Inc.
1081 S. Northpoint Blvd. • Waukegan, IL 60085
(800) 757-0346
www.lmtfettetools.com
Gear Cutting Tools

L.S. Starrett Co.
121 Crescent Street • Athol, MA 01331
(978) 249-3551
www.starrett.com
Precision Measurement & Metrology Solutions

Lubrication Engineers, Inc.
300 Bailey Ave.
Fort Worth, TX 76107
(800) 537-7683
www.lelubricants.com
Lubricants

Luren Precision Chicago Co., Ltd.
1320 Tower Rd.
Schaumburg, IL 60173
(847) 598-3555
www.luren.com.tw
Gear Cutting Tools

M

Miller Broach, Inc.
14510 Bryce Rd.
Capac, MI 48014
(810) 395-8810
www.millerbroach.com
Broaching Tools

Milwaukee Broach Company, Inc.
N52 W13821 Northpark Dr.
Menomonee Falls, WI 53051
(262) 781-7644
www.milwaukeebroach.com
Broaching Tools - Workholding

Milwaukee Gear Company
5150 N. Port Washington Rd.
Milwaukee, WI 53217
(414) 962-3532
www.milwaukeegear.com
Gears

Mitsubishi Gear Technology Center
46992 Liberty Dr.
Wixom, MI 48393
(248) 669-6136
www.mitsubishigearcenter.com
Gear Cutting Tools

Mitsubishi Materials USA
11250 Slater Ave.
Fountain Valley, CA 92708
(714) 352-6100
www.mmus.com
Gear Cutting Tools - Metal Chipping Tools

Modern Gearing, Inc.
2277 Rue Leger St.
Lasalle, QC H8N 2W6
Canada
(888) 595-9897
(514) 595-9897
www.moderngearing.com
Gear Cutting Tools

CUSTOM WORKHOLDING
Submit your part and process information to info@stace-allen.com for a custom-engineered solution.

Stace-Allen Chucks specializes in supplying custom-designed workholding solutions for especially difficult workpieces for all areas of manufacturing including:
• Turning
• Mill Operations Fixtures
• Mill Operations Fixtures
• Inspection Gauges
• Induction Heat Treating
• Grinding Operations
• Air seat part detect
• And more!

Stace-Allen supplies machine adaption and spindle tooling packages to support media thru the chuck:
• Hydraulic/air swing clamps
• Air seat part detect
• Hydraulic/air work supports
• Coolant/air blast thru the chuck

Stace-Allen also offers a standard product line of chucks:
• Precision Chucks (air, hydraulic, or drawbar actuated)
• Power Chucks (drawbar or built-in-cylinder actuated)

STACE-ALLEN CHUCKS, INC.
2250 W. Minnesota St.
Indianapolis, IN 46221
Phone: 317-632-2401
www.stace-allen.com

HobSource Inc. Inc.
Custom gear cutting tools
Performance Dependability Value
1.866.HOB.TOOL
www.hobsources.com
<table>
<thead>
<tr>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
<th>Website</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nachi America, Inc.</td>
<td>715 Pushville Rd. Greenwood, IN 46143</td>
<td>(317) 530-1001</td>
<td><a href="http://www.nachiamerica.com">www.nachiamerica.com</a></td>
<td>New Equipment Manufacturer</td>
</tr>
<tr>
<td>Norton</td>
<td>PO Box 15008 One New Bond St Worcester, MA 01615</td>
<td>(800) 551-4413</td>
<td><a href="http://www.nortonabrasives.com">www.nortonabrasives.com</a></td>
<td>Abrasives, Grinding Wheels</td>
</tr>
<tr>
<td>NUM Corporation</td>
<td>603 East Diehl Rd., Suite 115 Naperville, IL 60563</td>
<td>(630) 505-7722</td>
<td><a href="http://www.num.com">www.num.com</a></td>
<td>CNC Controls - Software</td>
</tr>
<tr>
<td>Nye Lubricants, Inc.</td>
<td>12 Howland Rd. Fairhaven, MA 02719</td>
<td>(508) 996-6721</td>
<td><a href="http://www.nyelubricants.com">www.nyelubricants.com</a></td>
<td>Lubricants</td>
</tr>
<tr>
<td>Osborn International</td>
<td>1100 Resource Dr., Ste. 1 Brooklyn Heights, OH 44131</td>
<td>(216) 361-1900</td>
<td><a href="http://www.osborn.com">www.osborn.com</a></td>
<td>Brushes - Finishing Tools</td>
</tr>
<tr>
<td>Parker Industries, Inc.</td>
<td>1650 Sycamore Ave. Bohemia, NY 11716</td>
<td>(631) 567-1000</td>
<td><a href="http://www.parkerind.com">www.parkerind.com</a></td>
<td>Gear Cutting Tools</td>
</tr>
<tr>
<td>Petron Corporation</td>
<td>16800 Glendale Dr. New Berlin, WI 53151</td>
<td>(800) 757-5796 • (262) 797-4680</td>
<td><a href="http://www.petroncorp.com">www.petroncorp.com</a></td>
<td>Lubricants</td>
</tr>
<tr>
<td>Polygon Solutions</td>
<td>16770 Link Court Ste. 106 Fort Myers, FL 33912</td>
<td>(239) 628-4800</td>
<td>polygonsolutions.com</td>
<td>Broaching Tools</td>
</tr>
<tr>
<td>Proceq USA, Inc.</td>
<td>117 Corporation Dr. Aliquippa, PA 15001</td>
<td>(800) 839-7016 • (724) 512-0330</td>
<td><a href="http://www.proceq-usa.com">www.proceq-usa.com</a></td>
<td>Hardness Testers</td>
</tr>
</tbody>
</table>
S

S.L. Munson & Company
1404 Old Dairy Dr.
Columbia, SC 29201
(803) 252-3211
www.slimunson.com
Cutting Tools

SAM P.S.A.
Via Calzoni 2
40128
Bologna, Italy
(39 (0) 51 6319 411
www.samputensili.com
Gear Cutting Tools

Sandvik Coromant
1702 Nevins Rd.
Fair Lawn, NJ 07410
(800) SANDVIK
www.sandvik.coromant.com/us
Gear Cutting Tools - Metal Chipping Tools

Schneeberger, Inc.
1380 Gateway Dr., Ste. 8
Elgin, IL 60123
(847) 888-3498
www.schneeberger-us.com
New Equipment - Tool Sharpening

Schneider SA
Jakobstrasse 52
CH-2500 Biel 8
Switzerland
41 (0)32-344-0400
www.schneider.com
Gear Cutting Tools

Schunk Inc
211 Kitty Hawk Dr.
Morrisville, NC 27560
(919) 572-2705
us.schunk.com
Workholding

Seco Tools North America
2805 Bellingham Dr.
Troy, MI 48083
(248) 528-6200
www.secostools.com
Cutting Tools

SETCO Precision Solutions
5880 Hillside Ave.
Cincinnati, OH 45233
(800) 543-0470
(513) 941-5110
www.setcousa.com
Spindles

Shell Lubricants
P. O. Box 2463 • Houston, TX 77252
(713) 241-6161
www.shellus.com
Lubricants

Slater Tools, Inc.
4475 Trinity Dr.
Clinton Township, MI 48038
(586) 465-5000
www.slatertools.com
Broaching Tools

Slone Gear International
1040 S. Dorset Rd.
Troy, OH 45373
(507) 401-GEAR
www.slonegear.com
Spline Gages - Master Gears

Speedgrip Chuck, Inc.
2000 E. Industrial Pkwy.
Elkhart, IN 46515
(574) 294-1506
www.speedgrip.com
Workholding

Star SU, LLC
5200 Prairie Stone Pkwy., Ste. 100
Hoffman Estates, IL 60192
(847) 649-1450
www.star-su.com
Gear Cutting Tools

Summit Industrial Products
P.O. Box 131359
Tyler, TX 75713
(800) 749-5823
www.klsummit.com
Lubrication

Sunnen Products Company
7910 Manchester Rd. • St. Louis, MO 63143
(800) 325-3670
(314) 781-2100
www.sunnen.com
Gear Bore - Finishing Tools

T

Tech Induction Corporation
13129 23 Mile Rd. • Shelby Township, MI 48036
(586) 469-8324
www.techinduction.com
New Equipment Manufacturer

Tenaxol Technologies
1001 E. Centralia St.
Elkhorn, WI 53121
(414) 476-1400
www.tenaxol.com
Heat Treating - Quenchings

The Broach Masters, Inc.
1605 Industrial Dr.
Auburn, CA 95603
(530) 865-1959
www.broachmasters.com
Broaching Tools - Gear Cutters

The Buffalo Company
283 E. Hellen Rd.
Palatine, IL 60067
(847) 202-0000
www.buffalocompany.com
Heat Treating - Stop-Off Paints

The Edward Orton Jr. Ceramic Foundation
6991 Old 3C Highway
Westerville, OH 43082
(614) 818-1338
www.temptab.com
Heat Treating - TempTabs

The Ohio Broach & Machine Company
35264 Topps Industrial Pkwy
Willoughby, OH 44094
(440) 946-1040
www.ohiobroach.com
Broaching Tools - Sharpening

Timken – Purdy Systems
1835 Dueber Ave., SW • Canton, OH 44706
(330) 438-3000
www.timken.com
Bearings

Timken Aerospace Transmissions – Purdy Systems
1835 Dueber Ave., SW • Canton, OH 44706
(330) 437-3000
www.timken.com
Bearings

Toolink Engineering
1921 Miller Dr. • Longmont, CO 80501
(303) 776-6212
www.toolink-eng.com
Workholding

Transmecanica sa
Hipoilio Yrgoyen No. 3288
B1646CHQ San Fernando
Buenos Aires, Argentina
54 11 4746 6600
www.transmecanica.com.ar
Gear Cutting Tools

TSA America LLC
30311 Clemens Rd., Suite 2
Westlake, OH 44145
(440) 614-0170
www.tsageartools.com
Gear Cutting Tools

Ty Miles, Inc.
9855 Derby Lane • Westchester, IL 60154
(708) 344-5480
www.tymiles.com
Broach Tooling

Tyrolit Wickman, Inc.
10325 Capital Ave. • Oak Park, MI 48237
(248) 548-3822
www.tyrolit.com
Gear Grinding Tools

United Grinding
510 Earl Blvd. • Miamisburg, OH 45342
(937) 859-1975
www.grinding.com
New Equipment Manufacturer

WD-40 Company
P. O. Box 80607 • San Diego, CA 92138
(888) 324-7596
www.wd40.com
Lubricants

Wichita Clutch USA
2800 Fisher Rd. • Wichita Falls, TX 76302
(800) 964-3262
www.wichitACLutch.com
Clutches - Brakes

Winterthur Corporation
10 Viking Rd.
Westerville, MA 01570
(508) 949-1061
www.winterthusa.com
Gear Grinding Tools
Connect your company to the gear industry with a storefront in the Gear Solutions Community.

Storefronts paint a portrait of your company with a 500-word description and include your logo, website link, phone number, email addresses, and videos. Your social media pages such as Twitter and Facebook are integrated with live updates, which may also be re-posted through our social media feeds.

With a community storefront, your company also receives a premium listing in the annual Buyer’s Guide published each November. Premium listings feature graphic treatments to draw more attention to your company.

For information on how you can participate in the GearSolutions.com community storefront, contact chad@gearsolutions.com.

Chad Morrison – associate publisher
800.366.2185 x 202
Contact Gear Solutions at 800-366-2185 to feature your business in the Marketplace!

LARGEST STOCKING DISTRIBUTOR OF FELLOWS PARTS

- FELLOWS SERVICE PARTS
- OLDER MODELS OUR SPECIALTY
- MANUFACTURER DIRECT
- ONLINE CATALOG
- 10-2 SPUR GUIDES IN STOCK
- FREE TECH SUPPORT FOR CUSTOMERS

Gear Works Inc.
802-885-5039 • gwi@vermontel.net
www.GearShaperParts.com

KORO for Quality
Hob Sharpening Service
- Quick Turnaround 2 Day Service
- Spur Shaper Cutter Sharpening
- HSS & Carbide Hob with center hole and straight flutes
- Thin Film Coatings
- Length up to 7 inches

- Diameter up to 5 inches
- Precise rake and spacing guaranteed to AGMA standards
- RUSH SERVICE AVAILABLE

Koro Sharpening Service
9530 85th Ave North
Maple Grove, MN 55369
763-425-5247
info@koroind.com

WE’RE CERTIFIABLE
Our ISO 17025 A2LA Laboratory is available to certify or recertify your Master Gears and Spline Gauges or Contract Inspection of your gears.

To learn more, contact assistant publisher Chad Morrison at chad@gearsolutions.com or call 800.366.2185 ext. 202

REACH MORE CUSTOMERS
Advertise with us in print and online, and you can reach over 45,000 potential readers – many who are key decision makers at their companies.
CONTENTS

Advent Tool & Manufacturing ..........................................................54
ALD Thermal Treatment Inc ..........................................................47
All Metals & Forge Group ............................................................27
American Gear Inc. ....................................................................38
American Gear Manufacturing Association (AGMA) ......................53
Circle Gear & Machine Co Inc .....................................................17
Custom Electric Manufacturing ..................................................55
Drewco ....................................................................................51
ECM-USA ...............................................................................18
Forest City Gear .......................................................................29
Gasbarre ...................................................................................46
Gear Works Inc. ........................................................................62
General Broach Co. ..................................................................42
Gleason ...................................................................................2
Hobsource Inc. .........................................................................58
Index Technologies ....................................................................38
Innovative Rack & Gear ..............................................................35
Ipsen .......................................................................................37
JTEKT Toyota Americas Corporation .............................................21
Kapp-Niles Metrology .................................................................39
KAPP Technologies ....................................................................25
KISSsoft USA LLC ......................................................................35
Koro Sharpening Service .............................................................62
Lawler Gear Corporation .............................................................62
Lindberg/MPH ...........................................................................15
Machine Tool Builders ................................................................19
McInnes Rolled Rings ..................................................................16
Micro Surface Corporation ...........................................................44
Mitsubishi Heavy Industries America Inc ....................................4C
New England Gear ......................................................................7
Nordex Inc. ................................................................................33
Oehlind US ................................................................................59
Penta Gear Technology ................................................................14
Piselli Enterprises Inc ...............................................................41
Solar Atmospheres .....................................................................13
Solar Manufacturing ...................................................................43
Southern Gear & Mahines ...........................................................31
Stace-Allen Chucks Inc ...............................................................58
STD Precision Gear & Instruments Inc .........................................30
Stor-Loc ....................................................................................65
The Broach Masters Inc .............................................................IBC
Toolink Engineering Inc .............................................................IFC, 2
Tye Miles Inc .............................................................................44
United Tool Supply .....................................................................57
Walker Forge .............................................................................40

INDEX

ADVERTISER

Gasbarre .............................................................................................46
Forest City Gear ..................................................................................29
Custom Electric Manufacturing ............................................................55
ALD Thermal Treatment Inc ..........................................................47
Media Solutions, Inc. 266-D Yeager Pkwy., Pelham, AL 35124
155
David C. Cooper
98.5536
12
98.4833
10220
155

Gear Solutions

Media Solutions, Inc. 266-D Yeager Pkwy., Pelham, AL 35124

461-501-001

Statement of Ownership, Management, and Circulation
(Advertiser Only)

PS Form 3526

May 2019

Statement of Ownership, Management, and Circulation
(Requester Publications Only)

PSN: 7530-09-000-8855

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526

PS Form 3526
“Helios means equipping manufacturers with machines and tools to make profitable gears … We strive to ‘shed light’ on the path to profitable production for gear manufacturers, so they can compete in the global arena.”

Helios is a new name in the gear manufacturing industry. What do you do?
The name is relatively new, but our company has supplied machines and tools to the industry for over 30 years as Koepfer America. As of January 1, 2019, our name changed to Helios Gear Products.

What spurred the name change?
The confluence of three forces convinced us it was the right time for a name-change:

Firstly, our company has grown to offer manufacturers several solutions for machines and tools. We directly represent several OEMs (original equipment manufacturers), including ourselves, and many consumable tool OEMs. A neutral brand like “Helios” allows us to more equally represent all our partner OEMs.

Secondly, in 2018, our key OEM partner announced a new hobbing solution well suited for the direct and Tier 1 automotive sectors. We have structured our company to serve job shops and similar small manufacturing operations, so the alignment between our group and this new hobbing machine required an evolution of our organization.

Lastly and thirdly, YG Tech, OEM of the Hera line of gear-hobbing equipment, needed new representatives in North America. After visiting the YG Tech factory and vetting their machine tool solutions, we knew that working together would bring a great hobbing solution to market. With the Hera line, we can now offer gear manufacturers three empowering forces: affordability, quality, and from-stock delivery – all with our proven, reliable technical assistance.

Does this mean that Koepfer is gone?
“Koepfer” is owned by the EMAG Group, and here in the United States, Helios Gear Products will continue to be the technical service provider for legacy Koepfer equipment, which includes models such as 300, 200, 160, 180, 173, 153, and others. We proudly continue to serve our existing Koepfer customers with our proven technical support and new affordable technologies.

For technical assistance on Koepfer equipment, should customers contact Helios?
Absolutely! We are EMAG Koepfer GmbH’s technical service partner for all “K-type” machinery. In simple terms, if the machine is a Koepfer Model 300, 200, 160, 180, 173, 153, or similar, Helios is the go-to company for technical assistance and domestically stocked parts.

Why is Helios and YG Tech such a great combination?
The Hera machines from YG Tech offer world-class technology, such as Fanuc CNC, direct-drive torque motors, hardened and ground linear rails, and unified automation systems that our existing customers will expect and find familiar. YG Tech is a multi-generational family-owned business echoed by today’s leadership at Helios, and YG Tech has built gear machines since 1963 and other machine tools since the early 20th century. With Helios’ expertise and reputation in the North American gear manufacturing industry, the Helios Hera line offers manufacturers a new, affordable, high-quality, high-technology, reliable option for gear hobbing in the 21st century.

What does “Helios” mean?
For our team, Helios means equipping manufacturers with machines and tools to make profitable gears. For others, Helios is the god of the sun in Greek mythology. We liked the sun symbolism, and “Helios” is not tied to any one brand that we represent. We strive to “shed light” on the path to profitable production for gear manufacturers, so they can compete in the global arena.

What are Helios’s main product offerings?
Machines and tools for gear manufacturers: We supply hobbing equipment for gears up to about 30 inches in diameter, and on the other end, we have hobbing equipment that comfortably handles gears smaller than a baby’s little finger. Our deburring and chamfering machines are a growing segment of our products, and we also supply abrasive tools for generating grinding, form grinding, bevel gear grinding, and more. Cutting tools, of course, are an important part of our offerings: carbide and HSS hobs, milling cutters, and shaper cutters. Lastly, manufacturers also rely on us for hob sharpening and contract inspection work. Depending on the hobbing solution required, our hobbing machines are built by ourselves, Monnier + Zahner, or YG Tech, and our deburring and chamfering machines are built by Technomach.

Will Helios continue to offer used equipment?
We certainly will continue to offer cost-conscious solutions. Manufacturers looking for budget-friendly machines should consider our used and re-controlled (“K-Repowered”) options, which we offer with warranties and backed by our Helios technical support. Our stock is always changing, so manufacturers should give us a call or visit our website for the latest.

Is there anything else you’d like to add about the future of Helios?
We continue to work on being a leading supplier of gear-manufacturing solutions. Part of that effort is our sales partnership with Kapp Technologies of Boulder, Colorado. Combined, our engineers and sales teams offer manufacturers a trusted, high-quality resource for hobbing, grinding, deburring, and inspection solutions. Manufacturers know that working with either Helios or Kapp will open doors for productive and profitable gearing for the future.
Introducing our new

**SW PLUS +® Series**

12% – 22% MORE STORAGE

**STOR-LOC MODULAR DRAWER SYSTEM**

880 N. Washington Ave. Kankakee, IL 60901
Toll Free: 1.800.786.7562 • Fax: 1.800.315.8769
e-mail: sales@storloc.com

www.storloc.com
The Mitsubishi ZE26C Gear Grinding Machine: Precision Gears for Precision Systems

- **Optimized** for Electric Vehicles & Robotics
- **Greater** Structural Rigidity
- **Shorter** Non-cutting Time
- **Lower** Running Costs
- **Smarter** Industrial IoT remote monitoring - DIASCOPE

Born from the widely acclaimed ZE-B series, the all new ZE26C has been specifically designed to meet the exacting demands of the electric vehicle and robotics industries.

Featuring increased rigidity of the column, table and grinding wheel head—coupled with revamping of the spindle structure—the ZE26C produces finished gears with enhanced grinding precision and stability. By increasing cutting speed and reducing non-cutting time by roughly 50%, the ZE26C maximizes high-volume production capability and promotes lower running costs. The expanded wheel width provides longer wheel life and supports the use of combination grinding/polishing wheels for improved gear surface finish, making the ZE26C a compact and operationally efficient machine that’s responsive to in-factory needs. To learn more about how the ZE26C has been optimized for the evolving needs of the industry, visit [www.mitsubishigearcenter.com](http://www.mitsubishigearcenter.com) or contact sales at 248-669-6136.