

SPIRAL BEVEL GEARS

(Transmissions)



Spiral & Straight Bevel Gear Manufacturing.
Commercial to aircraft quality gearing.
Spur, helical, splined shafts, internal & external,
shaved & ground gears. Spiral bevel grinding.
Midwest Transmissions & Reducers.
ISO compliant & AS 9100 compliant.

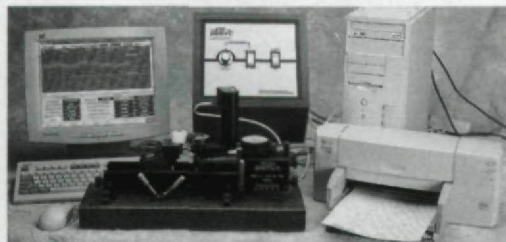


**MIDWEST GEAR
& TOOL, INC.**
12024 E. Nine Mile Road
Warren, MI 48089

rosscr@attglobal.net

CONTACT:
CRAIG D. ROSS
(586) 754-8923
FAX (586) 754-8926

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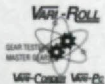
- Production Composite Inspection
- Custom Design & Build Part Gear Mounting Fixtures
- Standard Mounting Fixtures — Spurs, Helicals, Pinion Shafts, Worms, Throated Worms, Bevels, Internals

When coupled with the VARI-PC Composite Gear Analysis System will provide:

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- Improved Accuracy
- Historical Record Keeping
- Serialization of Parts
- Interface to SPC programs

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VARI-ROLL



Precision Gage Co., Inc.
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TECHNICAL CALENDAR

July 17-18—12th Annual Gear Failure Analysis Seminar. Big Sky Resort, Big Sky, MT. Sponsored by the AGMA, this 30-participant seminar examines macropitting, micropitting, scuffing, tooth wear and breakage. \$625 for AGMA members, \$795 for non-members. For more information, contact the AGMA by telephone at (703) 684-0211 or by e-mail at tech@agma.org.

September 2-6—ASME/AGMA 2003 International Power Transmission and Gearing Conference. Marriott Chicago Downtown, Chicago, IL. Held once every four years, this event is sponsored in conjunction with the ASME International Design Engineering Technical Conferences, along with seven other conferences. \$390-\$680, depending on the level of membership and the number of conferences attended. For more information, contact ASME via the Internet at www.asme.org/eng.ohio-state.edu/home.html.

September 15-19—AGMA Training School for Gear Manufacturing. Richard J. Daley College, Chicago, IL. Offers classroom and hands-on training in gearing and nomenclature, principles of inspection, gear manufacturing methods, and hobbing and shaping. Designed for employees with six months' experience in setup or machine operation. \$650 for AGMA members, \$775 for non-members. For more information, contact the AGMA by telephone at (703) 684-0211 or by e-mail at fentress@agma.org.

September 15-17—ASM Heat Treat 2003. Indiana Convention Center, Indianapolis, IN. Showcasing the latest furnaces, controls and testing equipment, the show is co-located with the ASM International Surface Engineering Expo. Attendees are welcome to take part in the Heat Treat U seminars. Prices range from \$125-\$650, depending on ASM membership as well as the level of conference participation. For more information, contact ASM International on the Internet at www.asminternational.org/heat/treat/expo.htm.

September 16-18—Accurate Diagnosis of Gear Problems. 49'er & Suites, Jackson Hole, WY. The course includes: How Each Cycle of Gearmesh Frequency is Generated; Gear Vibration Theory; Problems that Generate Harmonics of Gearmesh Frequency; Bent Shaft; Defective Teeth & Broken Gears, and more. \$1,195 includes *The Gear Analysis Handbook* by James I. Taylor. For more information, contact Vibration Consultants Inc. by telephone at (813) 839-2826 or on the Internet at www.vibcons.com.

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