

# EVERY GEAR IS HERE

We are exhibiting at #MPTEspo!  
Come meet us in person!

DETROIT, MI

OCTOBER 17-19, 2023



## BEVEL GEARS TOUR

The ANSI/AGMA 1012-H23 Gear Nomenclature document defines bevel gears as having conical pitch surfaces operating on intersection or non-intersecting axes. Bevel gears that operate on non-intersecting axes are known as hypoid gears. Bevel gears can be straight, spiral, zerol, skew bevel and hypoid gears.

Applications for bevel gears can be found in automotive, aerospace, industrial, and medical applications.

*We have put together a tour that introduces you to some of the companies that can help with bevel gear needs.*

### STARTING POINT



American Gear Manufacturers Association

### AGMA Booth 3132

<https://www.agma.org/>

The American Gear Manufacturers Association (AGMA) is an association of more than 450 companies, consultants, and academicians with direct interest in the design, manufacture, and application of gears and flexible couplings. AGMA is also the owner of Motion + Power Technology Expo. Founded in 1916, AGMA conducts programs for and provides services to the gear industry and its customers. AGMA is accredited by the American National Standards Institute to write all U.S. standards on gearing.



The AGMA Foundation is the charitable arm of AGMA and provides gear industry scholarships, workforce & education support, and emerging technology programming. Consider a donation at [www.agmafoundation.org](http://www.agmafoundation.org).

## BEVEL GEAR MACHINE TOOL COMPANIES

### STOP 3 and STOP 9

#### **Klingelberg America** Booth 3426

Saline, MI | <http://www.klingelberg.com>

The Klingelberg group is a world leader in the development, manufacture and sale of machines for bevel gear and cylindrical gear production, measuring centers for gearing and axially symmetrical components as well as customized high-precision gear components. The Company's products are used by customers in automotive, truck, aircraft, agriculture, construction, power tool and marine industries and by a diverse set of customers serving various industrial equipment markets.

#### **Gleason Corporation** Booth 2308

Rochester, NY | <http://www.gleason.com>

Gleason offers its customers "Total Gear Solutions". Gleason is a leader in the development, manufacture and sale of gear production machinery, related equipment, automation solutions, plastic gears and design software for gears and power transmission systems. The Company's products are used by customers in automotive, truck, aircraft, agriculture, mining, energy, construction, power tool and marine industries and by a diverse set of customers serving various industrial equipment markets. Gleason has manufacturing operations in the United States, Brazil, Germany, Switzerland, India, China and Japan, and has sales and service offices throughout North and South America, Europe and in the Asia-Pacific region.

## MANUFACTURERS THAT MAKE BEVEL GEARS

### STOP 1

#### **Power Transmission Group** Booth 3126

Cranberry Twp., PA | <http://www.ptggear.com>

Hy-Tech's Power Transmission Group, formerly known as Quality Gear, Blazman Gear, Gear Products and Jackson Gear, is a custom gear manufacturer and a member of AGMA. Our 52,000 square foot facility contains well over 200 CNC and manual machines used in production with extensive inventory of custom and specialized tooling. The quality verification lab ensures that all products meet exacting specifications dictated by the AGMA.

In addition to being a custom gear manufacturer, we can reverse engineer old gears or design new gears or gearboxes utilizing CMM, SolidWorks 3D and KISSsoft modeling software.

### STOP 2

#### **Klingelberg America** Booth 3426 (Machine tool company – see above)

### STOP 3

#### **Philadelphia Gear, Power Systems by Timken** Booth 3126

King of Prussia, PA | <http://www.philagear.com>

We now supply and service the complete industrial drivetrain.

Drawing on a global pool of engineering expertise and technological advancements, our newest offering provides a comprehensive suite of industrial repair, upgrade and service solutions. When viewed as an integral part of your operations, these solutions can reduce downtime and your total cost of operation.

From electrical to gearbox to bearing repair solutions, trust our key brands under Timken Power Systems to help maximize your powertrain and rotating equipment's reliability and performance.

### STOP 4

#### **Bevel Gears India, Pvt. Ltd.** Booth 3616

Bangalore, Karnataka India | <http://www.bevelgearsindia.com>

Bevel Gears India has manufactured and designed bevel gears and bevel gear boxes for over 40 years. With over 75 bevel gear grinding, cutting, testing and lapping machines customer's bevel gears are manufactured to DIN and AGMA standards using the Gleason and Klingelberg systems.

Bevel Gears India caters to the requirement of end users of ground spiral bevels, spiral bevels, straight bevels, zerol bevels, angular bevels and hypoids.

Customers are invited to leverage our capabilities, decades of experience, Gleason CAGE prepared summaries, CNC gear testing and production facilities to develop the gearing solutions they need for demanding applications.

### STOP 5

#### **Croix Gear** Booth 3219

Hudson, WI | <http://www.croixgear.com>

Precision with purpose.

Gears made with precision. An exceptional customer experience. Every gear. Every order. Every time.

From agriculture to warehouse automation, OEMs around the country rely on Croix Gear to keep their assembly lines running at maximum efficiency. Our manufacturing facility is outfitted with a vast array of the latest in high-performance machining, gear cutting, and inspection equipment, and our quality management system is certified to ISO 9001:2015.

## STOP 6

### **Delta Gear**                      Booth 3016

Livonia, MI | <http://www.delta-gear.com>

Delta Gear & Delta Research – The Solutions People.

Providing aerospace and automotive OEM and sub tier customers unparalleled gear manufacturing service and satisfaction for decades. Delta Gear is known for its prototyping and development, production & spares, detail gearing & assemblies, testing, and outstanding program management.

## STOP 7

### **United Gear & Assembly, Inc.**                      Booth 2919

Hudson, WI | <http://www.ugaco.com>

United Gear and Assembly offers a totally integrated gear company. UGA manufacturers precision gears and shafts for engines, generators, transmissions and drive trains used by OEM manufacturers world-wide, including custom gear and shaft products designed to meet rigid specifications. UGA produces products that include: parallel axis gears, bevel gears, helical gears, cluster gears, splined shafts, splines, pinions, and sprockets. Heat Treating capabilities include: batch carburizing, continuous carburizing, gas nitriding, carbonitriding, induction hardening, through-hardening, normalizing, stress relieving, tempering, press quench, and a complete metallurgical laboratory.

## STOP 8

### **Circle Gear and Machine Company**                      Booth 2417

Cicero, IL | <http://www.circlegear.com>

Circle Gear is a leader in quality custom gearing, specializing in small to medium lot production. We are one of the only companies in the country that will reverse engineer and manufacture spiral bevel gear sets. Circle Gear services include: Bevel Gears (Straight & Spiral up to 36" diameter), Spur Gears, Helical Gears, Herringbones (up to 60" diameter), Internals, Racks, Sprockets, Worm and Worm Gears, to all other types of power transmission products. Circle provides servicing on Splines (involute & straight-sided, internal & external). We offer reverse engineering as well as breakdown services on many products. Circle Gear currently resides in a 125,000 sq. ft. full service production facility. We also house a full-service gearbox rebuild division, QRS, Quality Reducer Service. QRS specializes in rebuilds of all major brands of gear reducers as well as manufacturing of custom designed units.

## STOP 9

### **Gleason Corporation**                      Booth 2308 (Machine Tool company – see above)