



Plastic Gears

This tour was created as a supplement to an MPT Expo course, providing suggested stops for those who want to learn more about this topic from vendors on the show floor. This tour has several members, whose leadership served on the AGMA Board, showing a wide range of gears available today.

Design and Performance Rating Procedures for Plastic Gears

Thursday, October 23 | 8:00 am – 5:00 pm

Registration for this course is available at <https://motionpowerexpo.com/education-courses/>

We suggest the following stops:

RD Motion | Booth 419

Ljubljana, Slovenia <http://www.rdmotion.com>

RD Motion offers dedicated gear and powertrain testing equipment, as well as gear design, consultancy and testing services. RD Motion is a world leader in the development and production of test benches dedicated for plastic gear transmissions. RD Motion's test benches are designed and manufactured with the highest quality standards providing reliable and highly accurate measurements.

The Company's internal testing facility offers a wide range of gear testing capabilities, along with that more than 100 standard testing procedures are available. Some of the most common testing procedures we conduct are: gear durability testing, material characterization (S-N curves, wear, friction), NVH measurements, performance testing.

Nichie Co Ltd

Sparta, NJ

Nichiei Company is a micro-molder, specializing in all types of precision gears. We have designed and manufactured many JGMA Grade O/1 gears, including metal/plastic insert molded gears that maintain their tight co-axial tolerances. We work with all the engineering polymers as well as super high-performance plastics, and often make prototype parts prior to full-scale production. Nichiei understands the critical relationship between mold making and micro-molding, and therefore also designs and manufactures our own molds. This insures an integrated approach to meeting and exceeding customer expectations.

| Booth 136

Gleason Corporation | Booth 529

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

Gleason is a global leader in gear technology. Gleason's "Total Gear Solutions" range from gear and transmission design software to the development and production of gear manufacturing machines and related accessories, gear metrology equipment and automation systems. Gleason products are used by customers in the automotive, commercial vehicle, aerospace, agricultural, mining, energy, construction, power tool, marine and many other industrial equipment markets.

Chongqing Landai Precision Components | Booth 163

Chongqing, China <http://www.cqld.com>

Landai Tech Group is established in May 1996, listed on the Shenzhen Stock Exchange in June 2015; main business: R&D, production and sales of transmission gear, shaft products, touch screen and touch display integration related products.

Hexagon Design & Engineering | Booth 578

Novi, MI <http://www.hexagon.com>

Please visit their booth to learn more.