



Gear Noise

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.

A Practical Approach to Managing Gear Noise Wednesday, October 22 | 8:00 am – 5:00 pm

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

We suggest the following stops:

SMT | Booth 733

Nottingham, United Kingdom

<http://www.smartmt.com>

SMT is a Global CAE software dedicated to providing engineers with the expertise and tools to deliver innovative powertrain technology. MASTA, is a Single Software Solution where you can design, develop and analyze highly optimized transmission, electric machine and electrified powertrain systems within one intuitive interface. Features include durability analysis for gears, bearings, shafts and splines, system NVH analysis and optimization, advanced loaded tooth contact analysis, multibody dynamics, power loss, motor analysis and more. SMT also offers a full range of engineering consultancy services, ranging from; clean sheet design, system optimization, NVH optimization, efficiency and more.

Capstan Atlantic | Booth 707

Wrentham, MA

<http://www.capstanatlantic.com>

Capstan Atlantic is a leading producer of precision Powdered Metal gearing and multi-level structural components. Combining advanced gear engineering with proprietary secondary operations, Capstan Atlantic offers precision Powdered Metal gears to meet demanding applications. Our process allows the customer to achieve original design tolerances, improved dimensional accuracy and reduced wear and noise characteristics while maintaining a cost advantage. We can produce AGMA class Q9 quality gears with our process.

Stresstech | Booth 606

Pittsburgh, PA <http://www.stresstech.com>

Stresstech is headquartered in Finland and has offices in Germany (Rennerod) the United States (Pittsburgh) as well as sales and service representatives around the world. Since 1983, Stresstech has been providing non-destructive and destructive testing solutions for process control and quality inspection. The inspection equipment and turn-key solutions serve the automotive, aerospace and other manufacturing industries as well as universities and research institutes.

RD Motion | Booth 570

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.

Marposs | Booth 138

Auburn Hills, MI <https://www.marposs.com/eng/>

Marposs sets the standard for NVH (Noise, Vibration & Harshness) gear inspection, delivering the precision and speed manufacturers need for quiet, reliable transmissions. Our in-line systems combine Single Flank Transmission Error testing with high-speed NVH analysis to catch defects before they reach the customer. From detecting pitch, profile, and runout issues to pinpointing micro-defects at operational speeds, Marposs ensures every gear meets the strictest noise and vibration targets, on both drive and coast flanks. Smart statistical self-learning adapts to your production, setting optimal pass/fail thresholds and reducing false rejects. Whether for EV e-drives or traditional gearboxes, Marposs helps you achieve the perfect balance of performance, quality, and acoustic comfort, keeping your production flowing and your customers satisfied.