



Heat Treat

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.

Materials Selection and Heat Treatment of 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:

Thermtech | Booth 142

Waukesha, WI <http://www.thermtech.net>

ThermTech is a large commercial heat treating company located in Wisconsin that employs over 125 people and is AS9100:2009 certified. We specialize in a variety of heat-treat processes including large batch Gas Carburizing with capabilities of 54" W x 72" L x 36" H, Gas Nitriding, Flame Hardening, Marquenching, Austempering. We are familiar in running a wide range of sizes of Forgings, Castings, Machined components and Investment castings.

Canton Drop Forge | Booth 201

Canton, OH <http://cantondropforge.com>

Canton Drop Forge specializes in closed die forgings from ten-inch OD to 47 inch OD in carbon and alloy steels. We have many power steam hammers that range up to 50,000 pounds, complete heat treat facilities, inspection department, laboratory and modern CNC-equipped die shop.

Preco, Inc. | Booth 702

Somerset, WI <http://www.precoinc.com>

Preco is a leading provider of processing services and manufactured systems for the metals industry; offering solutions for laser heat treating, welding, cladding and cutting. We can provide you with all of the resources needed to integrate laser processing into your manufacturing stream. With our proprietary laser and die cutting manufacturing capabilities,



we've become one of the largest contract manufacturing service (CMS) providers in North America. The extensive design, testing, and manufacturing capabilities of Preco can help you answer today's challenges – enhancing product design, improving quality, lowering unit cost, and shortening lead times.

Meadville Forging Company | Booth 811

Meadville, PA <http://www.meadforge.com>

Forging & Machining Plants located in NW PA!
Producing High Quality Gear & Shaft Forgings for the Automotive, Heavy Truck, and Oil & Gas Industries. One stop shop for Tool & Die, Forging, Heat Treating, & Machining!

SECO/WARWICK Corporation | Booth 822

Meadville, PA <http://secowarwick.com>

SECO/WARWICK Corporation, a SECO/WARWICK Group business, is a leader in heat treatment solutions for North American manufacturers. We offer vacuum solutions including our

Vector(R) single-chamber gas quench furnace in horizontal or vertical configurations and our Casemaster Evolution(R) multi-chamber oil quench furnaces, both of which are capable of low pressure carburizing. Our UniCase Master(R) 4D Quench system is available in 4 configurations for single-piece flow inline heat treatment of gears integrated into your manufacturing cell. Our ZeroFlow(R) nitriding furnace, a retort-based furnace with vacuum purge, also available in horizontal or vertical configurations, delivers precision control of nitride layer formation.

Specialty Steel Treating | Booth 829

Fraser, MI <http://www.sst.net>

Specialty Steel Treating is a leader in the precision heat treating industry. Since 1956, SST has grown to six operating facilities in two states serving the aerospace, industrial, automotive, and taper bearing markets. We pride ourselves on our three business principles: Outstanding Performance, High level of Integrity, and Continual Process Improvement.