

the means of comprehensive analysis. Due to process interaction, and using preset evaluation limits, workpieces that exceed or fall short of these limits are automatically removed.

Recurring automatic testing cycles measure and evaluate all the relevant grinding machine axes involved in the process, thus enabling early detection of electromechanical deviations. Maintenance costs are optimized both in terms of planning and diagnosis, and some potential EOL anomalies may be avoided.

www.reishauer.com

REM SURFACE ENGINEERING

BOOTH 4510

REM Surface Engineering, the inventor of the ISF Process, the Rapid ISF Process, the Extreme ISF Process, and the REM Process, provides surface engineering solutions for aerospace, heavy equipment and off highway and industrial gearing.

REM's isotropic superfinishing technologies are value adding and performance enhancing improvements to conventional machining operations such as grinding and lapping. Founded in 1965 in Southington, CT by Robert Michaud, REM Surface Engineering



is a family-owned company that has proudly been serving their partners and customers for over 50 years. REM Surface Engineering operates four locations in Brenham, TX, Southington, CT, Merrillville, IN and St. Neots, UK that provide products and services globally.

www.remchem.com

ROTECTOOLS LTD.

BOOTH 3131

Learn more about Affolter's line of compact hobbing machines, including the AF110Plus, the most powerful gear hobbing center in Affolter's GEAR line. The 7-axis AF110Plus is designed for parts up to 90 mm length and 60 mm diameter, with modules up to 1.5 mm.

roTECTOOLS.com

SMT

BOOTH 4227

SMT is a globally integrated provider of mechanical transmission engineering services and software development. Over the past 16 years SMT has grown from a collective of experienced and passionate engineers into an international enterprise serving all sectors of the transmission and driveline development industry.

SMT engineers have knowledge of the full development process of automotive, industrial, aerospace, energy and marine transmissions and are able to advise on all aspects of transmission design, analysis and optimization. Having worked with leading international companies on a wide array of engineering projects, SMT can deliver fully integrated technical solutions for the design, development and manufacture of entire drivetrain, gearboxes and transmission systems.

MASTA is a complete suite of CAE software for the design, simulation & analysis of driveline systems from concept through to manufacture.

www.smartmt.com

SOLAR MANUFACTURING

BOOTH 2013

Since 2002, Solar Manufacturing has introduced technology in the heat treating industry with advances in hot zone

designs, improved energy efficiency, state-of-the-art furnace automation and control systems and high-performance gas quenching. They will be showcasing their SolarVac control innovations at ASM Heat Treat 2019 for the benefit of their customers — a new, thermally efficient and extremely strong hot zone design and a new integrated furnace



control system.

www.solarmfg.com

SOUTHERN GEAR

BOOTH 4228

Southern Gear is a custom precision gear and gearbox manufacturer providing quality gears to demanding industries including aerospace, defense, marine and medical. Their AS 9100- and ISO 9001-certified facilities house nearly 150 machines ready to manufacture precision gears and gearboxes including bevel, helical, spur, face, ring, internal, anti-backlash, worm and worm gears, racks, splines, sprockets and more.

Southern Gear is equipped to perform every type of machining at their plant including: turning, milling, grinding and gear cutting/grinding. Parts are manufactured in their plant, under their control and under their AS 9100 D quality system and lean manufacturing pro-



cesses. Southern Gear's total management of the entire production sequence allows them to increase efficiency and optimize quality in order supply mission-critical parts to the aerospace and other demanding industries on time and