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Star SU to showcase the latest in gear manufacturing solutions at 2019 Motion + Power Technology Expo

HOFFMAN ESTATES, IL., September 17, 2019 — Star SU LLC announces it will be attending the 2019 Motion + Power Technology Expo in Detroit, MI, from October 15-17, 2019. Produced by the American Gear Manufacturers Association (AGMA) and the National Fluid Power Association (NFPA), the expo connects the top manufacturers, suppliers, buyers, and experts in the mechanical and gear power, electric power, and fluid power industries.

The **Star SU Booth 4013** will be presenting advanced manufacturing solutions from both machine tools and cutting tools.

Machine Tool Solutions

Star SU will introduce our hobbing and shaping machine portfolio through the newly created company **Samputensili CLC S.r.l.** Star SU will interactively display the **CLC 260 H and CLC 500 H** – two high performance modular horizontal gear hobbing/milling machines, which can be customized for any type of gear, shaft and worms up to a total length of 5000 mm.



The NEW **Star NXT linear CNC tool and cutter grinding machine** sharpens both straight and spiral gash hob designs up to 8" OD x 10" OAL. With a small footprint and maximized grind zone, the NXT also sharpens disk, shank and helical type shaper cutters, Scudding cutters, and a wide range of round tools, making it a versatile tool room machine.

In addition, our complete library of gear manufacturing machinery solutions will be available, including the **Samputensili SG 160 SKYGRIND** - the first gear dry grinding machine in the world with a patented process. A ground-breaking concept that totally eliminates the need for cutting oils during the grinding of gears after heat treatment with a significant reduction in the cost of consumables and a considerable improvement of environmental impact.

Gear Cutting Tool Solutions

Star SU offers a wide variety of gear cutting tools, precision tool re-sharpening services, and advanced coatings from Oerlikon Balzers, including Alcrona Pro and BALANIT® ALTENSA, the high-speed coating solution that realizes productivity gains and efficiency.



Star SU will also feature our innovative **Scudding® cutters** manufactured to produce gear and spline teeth for reduced cycle times and tool costs.



See our complete round tool offering, including gundrills, design and build solid carbide drills, and precision reamers. Addressing the Fluid Power industry, we will showcase a selection of cavity/port tool solutions including one shot cavity machining.

Carbide Blanks & Preforms

Star SU offers a wide variety of tungsten carbide blanks and preforms from H.B. Carbide. Using only the highest quality raw materials and employing state-of-the-art, computer controlled vacuum Sinter-Hipping furnaces, these cemented carbide preforms can be used for cutting tools, dies and wear parts in a variety of specialized applications.



About Star SU, LLC

Star SU is the go-to-market cooperative partnership of Star Cutter Company of Farmington Hills, MI, and SU America, Inc., the US sales and manufacturing unit to SAMP, S.p.A. The companies together represent one of the world's largest gear machine, tool and gear tool manufacturing producers.

Star SU, LLC offers a wide variety of machine tools, precision cutting tools and services including:

- gear hobbing machines
- gear and worm milling machines
- gear shaping machines
- chamfering and deburring machines
- gear and worm grinding machines
- gear shaving machines
- tool and cutter grinding machines
- gear hobs and milling cutters
- chamfer hobs
- gear shaper cutters and shaving tools
- scudding® and power skiving tools
- chamfer and deburring tools
- gundrills
- rifle buttons and push/pull reamers
- form tools and reamers
- pcd tooling
- cryogenic cutting tools
- carbide blanks and preforms
- tool coatings
- and tool life cycle management services