Mitutoyo OFFERS SALES AND SUPPORT FOR RENISHAW PROBE SYSTEM

Mitutoyo America Corporation is pleased to announce sales and support of the Renishaw PH20 probe system with the Crysta-Apex S500/700/900 series Coordinate Measuring Machines by Mitutoyo. The Crysta-Apex CMM line offers durability and high accuracy at an affordable price. It supports a wide range of inspections solutions including laser scanning, optical, and surface roughness inspection. With the addition of the high-speed scanning capabilities of the PH20, the Crysta-Apex CMM becomes the ideal solution for just about any part inspection, in the quality lab or on the shop floor.

Affalter Technologies

HOBBING MACHINE TAILORED FOR MICRO MOTOR INDUSTRIES

Affalter Technologies SA presents its most recent innovation. "The GEAR AF110 sets a new benchmark in regards to flexibility, high precision and stiffness. It is tailored to the needs of all micro motor industries, such as automotive, aircraft, dental and medical equipment and watchmaking," states Marc-Alain Affalter, managing director of the Swiss family enterprise. The AF110 complements the existing gear product line towards the realization of larger parts with diameters of up to 40 mm and a module of up to 1.0 mm.

In 2010, the Affalter R&D team in Switzerland started to design the AF110. "Compared to the AF100, we doubled the clamping force to 1,000 newtons. Torque and stiffness of the spindles were increased, the Y-axis is more robust and there is only one clamping axis moving, optimizing the overall rigidity and minimizing vibrations," explains Affalter. The AF110 is very compact, using the same base and volume as the AF100.

Flexibility plus: worm milling
The Affalter experts are currently developing the add-on "Unit 96." After a quick changeover, the AF110 will be able to perform worm milling operations. Affalter explains, "We will introduce this optional feature in the second part of 2014. The AF110 will be the most flexible machine for gear cutting and worm milling on the market."

Short cycle times: optimizing productivity
The Affalter engineers aimed to reduce cycle times to make the machine as productive as possible. The AF110 is equipped with the user-friendly, internally developed CNC Lesto control, making communication with the micro gear hobbing center easy and quick.

The compact design and the improved rigidity are other key features that guarantee short cycle times and highest efficiency. The distributor of Affalter Technologies SA in the United States, Canada and Mexico is Parker Industries Inc., based in Bohemia, New York.

For more information:
Affalter Technologies SA
Phone: +41 32 491 70 87
www.affaltergroup.ch