

For immediate release

News about: Mitsui Seiki USA, Inc., 563 Commerce Street, Franklin Lakes, NJ 07417

Contact: Scott Walker, President (201) 337-1300

Media contact: Lynn Gorman Communications (352) 489-4788; lynn@gorcomm.com

With Art: Image of HU100-TS tilt-spindle 5-axis horizontal machining center - interior

Mitsui Seiki Launches HU100-TS Tilt-Spindle 5-Axis Horizontal Machining Center

[FRANKLIN LAKES – April 2019] Mitsui Seiki's new HU100-TS 100 tilt-spindle 5-axis horizontal machining center is built to handle machining of large, hard-metal workpieces that are better suited for tilt-spindle processing than trunnion table operations. The machine's fixed table and tilting head arrangement facilitates production of heavier and larger parts and can permit use of shorter, more rigid tooling. The new machine offers high rigidity and accuracy when machining tough materials such as titanium and Inconel that are common in aerospace, power generation and other high-value applications.

The horizontal table of the HU-100TS can accommodate workpieces up to 1,900mm (76") long and 1,250mm (50") in diameter, weighing up to 2,000 kg (4,400 lbs.). X, Y and Z-axis travels are 1,300mm (52"), 1,500mm (60") and 1,400mm (56") respectively, with B axis rotation of 360° and A-axis rotation of -30° to +120°. The machine's compact 5,530mm (221") x 8,431mm (337") footprint is similar to that of its 4-axis equivalent.

The column width and length/height ratio of the HU100-TS are engineered to maximize stability in heavy machining. The machine's HSK-A100 taper spindle provides up to 150 kW (201 hp) power and 1508 N-m (1,112 lb-ft) torque. A standard automatic tool changer has capacity for 60 tools (180 optional), up to 500mm (20") in length. Maximum tool diameter is 125mm (5"); tools stored without adjacent tools can be up to 216mm (8.6") in diameter.

Scott Walker, chairman of Mitsui Seiki USA said, "For aerospace manufacturers and others machining tough alloys, the new HU100-TS offers five-axis, tilt-spindle flexibility and the automation potential of a horizontal machining center as well as the rigidity, accuracy and reliability of a heavy-duty design."

For more information, contact Mitsui Seiki at (201) 337-1300, www.mitsuseiki.com.

#