

For immediate release – IMTS 2022 Coverage

News about: Mitsui Seiki USA, Inc., 563 Commerce Street, Franklin Lakes, NJ 07417
Contact: Bill Malanche, COO - (201) 337-1300
Media contact: Lynn Gorman Communications (352) 489-4788; lynn@gorcomm.com
With Art: Image of PJ812

Mitsui Seiki VMC Offers Jig Milling/Boring Accuracy with Machining Center Productivity

SEE IT AT IMTS BOOTH 338700

[Franklin Lakes, NJ – June 2022] Mitsui Seiki will have its popular “PJ812” VMC at IMTS 2022 in booth 338700 in the South Hall of McCormick Place in Chicago. The show runs from September 12 – September 17. The “J” represents “Jig”, which is ideal to machine critical medical, optical, electric vehicle, mold and die, and aerospace parts. The model at the show will be equipped with a Renishaw spindle probe and a Dynavision system.

The PJ812 offers travels X-1200mm, Y-800mm, Z-500mm. Max work size is 1200mm x 800mm x 450mm. Table load accommodates 1500kg. The VMC provides positioning accuracy and repeatability of +/- 1µm. A thermal compensation system employs sensors on the machine faceplate and inside the spindle to minimize the effects of temperature changes on part accuracy and cut temperature-generated displacement by 60 percent. This system also reduces Z-axis thermal growth and deflection by 30 percent. Cooling systems for slide way lubrication and ball screw cores stabilize axis feed precision.

Mechanical design features that maximize machine rigidity and accuracy include hardened and ground tool steel box slideways as well as contact elements that enhance acceleration, reduce stick-slip, and allow for feed accuracy of 0.1 µm. Another proprietary engineering detail drastically improves the static rigidity of the Z-axis to more than six times that of conventional Z-axis arrangements.

This ultra-precision machine allows for more complete machining of precision components including precision boring, milling, drilling, and tapping. Machining center technology and jig borer precision in one machine. The machine features a full enclosure and various coolant system options. The model at the show will have a 690-liter cooling tank, a 40-tool ATC, and the advanced Fanuc F31i-B5 control with the i-H Pro panel.

For more information, visit IMTS 2022 booth 338700 in the South Hall of McCormick Place - Chicago, or contact Mitsui Seiki at (201) 337-1300, www.mitsuisseiki.com.

###