

## **KITAMURA INTRODUCES MYCENTER HX800i HORIZONTAL MACHINING CENTER TO ITS LINE UP**

**Wheeling, IL October 9, 2008** – [Kitamura's Mycenter-HX800i Horizontal Machining Center](#) delivers the precision, accuracy and repeatability required to produce close tolerance parts from the toughest materials. With the versatility for roughing and fine finish capabilities in a single set-up, the HX800i is designed for the automotive, oil and gas machinery, aerospace and heavy machinery industries. Net weight is 45,100Lbs.

“The HX800i is another example of Kitamura’s personal attention to detail that results in true geometric accuracy precision,” says Dr. Akihiro Kitamura, Ph.D, the company’s President of Kitamura Machinery. “A machining center should be considered an investment. By combining the best practices like hand scraping from decades of experience and the latest technological advances, Kitamura Machinery has created a line of horizontal, vertical and 5-axis machining centers that provide our customers with improved productivity through easy adaptability, reduction in defects, and improved accuracy.

### **Mycenter-HX800i Features**

The HX800i comes standard with a 35HP, 12,000rpm 2-step geared spindle that delivers 280.3ft/lbs of max. Torque with high end power - The only 50 taper machine in its class that offers the versatility for roughing with fine finish capabilities in a single set-up. An optional 8,000rpm high torque spindle is an available option with output max. torque of 699.3ft/lbs. The combination of Kitamura’s unique spindle gear system with a Dual Contact Spindle design offers the benefits of greater machining rigidity, improved surface finish, higher cutting accuracy and extended cutting tool life.

The Mycenter-HX800i comes standard with full 360° 4<sup>th</sup> axis simultaneous machining capabilities needed to machine complex, multi-sided parts, greatly reducing set-up time. In addition, Kitamura's 2-station automatic pallet changer allows for the loading of parts while machining – dramatically improving spindle cutting time while allowing for in-process verification of component quality. Maximum work size of Ø 39.4 x 43.3” high with a table load capacity of 2,640Lbs allows for the machining of larger work pieces and complex fixturing. Optional Flexible Manufacturing Systems are available and easily expandable to meet high precision, production machining requirements.

The HX800i comes standard with a 50-tool fixed pot ATC with an amazing tool-to-tool change time of 3 seconds. Up to 300 tools can be added in the field for added flexibility in changing from one job to the next. A Double Decker Conveyor and Filtration System combined with chip augers in the machine bed removes chips with a high amount of efficiency minimizing thermal distortion while improving accuracy and prolonging tool life. In addition, 220psi Coolant thru the spindle is standard on the HX800i to maximize heat dissipation during hard milling.

Horizontal machining requires a user friendly and responsive control when challenged with high precision machining of tougher materials and alloys. Kitamura combines both in our Kitamura-Fanuc 16iMB control. With standard 1280 meters memory, 128MB Data Server, HPCC by RISC Control, NURBS Interpolation and Ethernet connection this control is powerful enough to ensure optimum accuracy in a variety of cutting conditions.

### **About Kitamura Machinery**

Founded in 1933, Kitamura Machinery is dedicated to building the most technically advanced horizontal, vertical and 5-axis machining centers in the world. Kitamura machining centers are known and respected for their no-compromises precision and extended floor life even under the most demanding conditions. With its U.S. Corporate Headquarters located in Wheeling, Illinois, Kitamura provides its products to a diverse customer base worldwide. For more information please visit [www.kitamura-machinery.com](http://www.kitamura-machinery.com) or contact us at 1-847-520-7755.

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