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NEWS

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Kitamura Introducing New Heavy Duty Horizontal Machining Center at IMTS 2008

Mycenter-HX1000i provides faster, more reliable large part manufacturing for variety of industries.

Wheeling, Ill. – Kitamura Machinery, the premier manufacturer of precision horizontal, vertical and 5-axis machining centers, announced today that the company will be debut its Mycenter-HX1000i Horizontal Machining Center at IMTS 2008 in Chicago, September 8 – 13. Attendees will be able to see the new machining center, which provides both the high precision and volume manufacturing capabilities needed for large parts production for the aerospace, heavy construction, oil field machining, automotive, power generation and similar industries, in the Kitamura Machinery booth, A-8054.

The Mycenter-HX1000i is designed specifically for manufacturers and job shops that need to produce close tolerance parts from the toughest of materials. Its induction-hardened, solid box way design, combined with the rigidity of high grade Meehanite casting, offers the stiffness needed for true high precision, hard milling of larger parts. Guide ways are equipped with ultra high precision twin ballscrews and twin servo motors that provide the capability of running speeds of 1,417inch/minute. With a net weight of 126,104Lbs and Linear scale feedback on all axes as a standard feature, the Mycenter-HX1000i has accuracies of ±0.000079 inches Full Stroke and repeatability of ±0.000039 inches. Both are standout, offering ultra-high precision for a machine of this size and weight.

Standard is an efficient 40HP A/C spindle motor with a 4-speed geared head. The geared head enables the Mycenter-HX1000i to reach full power at 235rpm with output maximum torque of 897.5 ft-lb. An 8,000rpm spindle (12,000rpm option) with a dual contact design offers the benefits of greater machining rigidity, improved surface finish, higher cutting accuracy and extended cutting tool life.

The Mycenter-HX1000i utilizes an efficient positive 180-degree rotating pallet change system that provides optimum operator convenience in pallet accessibility and the loading/unloading of work pieces. Table size is 39.37” x 39.37” allowing for accommodation of huge parts with the 1° indexer positively

positioned to within ±1 arc/sec by a powerfully rigid Curvic coupling for optimum accuracy and stability. A full fourth axis is an available option.

With a standard 150-Tool ATC (200 Optional), the Mycenter-HX1000i maximizes tool handling efficiency using Kitamura's exclusive fixed pot ATC system. In this system, each tool is always returned to the same tool pot; the next tool to be used is kept ready in a "stand-by" tool pot, minimizing tool change time. Tool-to-tool time is just three seconds, while chip-to-chip time is 7 seconds.

"Achieving high precision along with high productivity has always been a challenge in certain industries," said Mike Umeno, VP at Kitamura Machinery. "The nature of the materials usually requires favoring one aspect over the other. The Mycenter-HX1000i provides a no-compromises approach that allows manufacturers and job shops to create complex geometries accurately, regardless of material, at a higher rate of speed than they could previously achieve."

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 or contact us at 1-847-520-7755.

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