

FOR IMMEDIATE RELEASE**KITAMURA'S MYCENTER-HX500iG/630G
OFFERS THE FLEXIBILITY AND ADDED VALUE OF TWO LARGE PART HMC'S
IN ONE MACHINE**

Wheeling, IL – July, 2018 – Kitamura Machinery, the premier manufacturer of precision horizontal, vertical and 5-axis machining centers, further expands on its horizontal machining center line up with the newly introduced Mycenter-HX500iG/630. Manufactured in Japan with craftsmanship in hand scraping techniques and in-house induction hardened solid box ways, the Mycenter-HX500iG/630G is still able to offer ultra-high speed rapids of 60m/min (2,362ipm) – World's fastest on solid box ways.

The Mycenter-HX500iG/630 is designed specifically for manufacturers and job shops that need to produce close tolerance parts from the toughest of materials, providing both the high precision and high volume manufacturing capabilities needed for larger parts production in the aerospace, automotive, energy manufacturing, heavy construction and similar medium to large part machining industries.

HX500iG/630 – High Capacity, Heavy Duty Cutting Capability

The Mycenter-HX500iG/630 offers up an extra-large work envelope X-Axis=870mm (34.4"), Y-Axis=800mm (31.5") and Z-Axis 930mm (36.6") within a space saving, compact footprint. Max. work piece diameter of Ø800mm (Ø31.5"), Max. work piece height of 1,100mm (43.3") gives you the size and performance comparable to 630mm HMC's offered by the competition. A newly available 630mm table option offers additional work holding possibilities.

Standard for heavy duty cutting is a powerful, 54HP, 12,000rpm, #50 taper, 4-step geared, dual contact spindle has the ability to handle a variety of exotic materials and offers best in class speed and performance. An optional high speed 8,000rpm spindle offers max spindle torque of 1225.9 N•m (904.2 ft•lbs). A high speed, #40 20,000rpm, 4-step geared dual contact spindle is an available option.

HX500iG/630G – High Speed, Highly Flexible, Highly Accurate, Highly Reliable

A 2-station APC is automation ready and field expandable up to a 14-station pallet pool for unmanned operation potential. FMS connectivity is an available option. The standard full 4th axis rotary table is newly designed (3.3 times faster than the previous model) with an Integral Drive motor enabling speeds of 120rpm (43,200deg/min) rapids, dramatically reducing part cycle times, eliminating backlash and providing a firm, rigid machining platform. High resolution direct rotary encoder scale feedback minimizes displacement even at outer edges of the table limit.

A 62-tool fixed pot (assures tools are always returned to the same pot and the next tool to be used is kept in a “stand-by” pot) ATC allows for the addition of up to 212 tools in the field. An incredibly fast 2.2 sec. T-T change contributes to the reduction in overall cycle time.

Ultra-high precision means outstanding positioning accuracy of $\pm 0.002\text{mm}$ ($\pm 0.000079''$)/Full Stroke with 67 million pulse encoder technology - delivering 67 times finer resolution, 67 times better finish accuracy all day long. Superb reliability is paramount in high production environments and the Mycenter-HX500iG/630 brings it with twin ballscrews and motors in the X & Y axes, ballscrew cooling in all axes along with state-of-the-art fine resolution (10 nanometer) optical linear scale feedback in X, Y, Z linear axes.

Kitamura's pioneering interactive touch screen icon driven Arumatik-Mi control offers user friendly, unique features such as on demand “HELP” guidance, visual work setting, maintenance support functions, and a 19” swivel color LCD to easily guide the user in a completely customizable control environment. SSS Control delivers high speed processing of 270m/min feed with 1mm/block, 4,500 blocs/sec for smoother and faster machining of the most complex work pieces - Super easy, super-fast. Anywhere-Remote[®] E-mail status update technology allows the user to automatically receive live machine production data anywhere, anytime via email to desktop, smartphones and mobile devices based on pre-set variables. Software upgrades are available throughout the life of the control so that means you are always ahead and never behind - the latest in CNC Technology. Easier programming, part set-up and operation, right at your fingertips.