

**FOR IMMEDIATE RELEASE****FLEXIBLE MANUFACTURING SYSTEMS MAKE KITAMURA MACHINING CENTERS IDEAL FOR LIGHTS-OUT MANUFACTURING**

*Precision and rigidity of the MedCenter5AX simultaneous 5-axis machining center allow manufacturers to automate production with confidence*

**Mt. Prospect, IL – May, 2022** – [Kitamura Machinery](#), the premier manufacturer of precision [horizontal](#), [vertical](#) and [5-axis](#) machining centers, announced today that the company will reveal an all new, all-in-one automation solution for its [MedCenter5AX](#) 5-axis simultaneous vertical machining center at IMTS 2022 in Chicago, September 12<sup>th</sup>-17<sup>th</sup>, Booth #339133, South Hall. Demonstrating the core qualities for lights-out production the MedCenter5AX will feature a newly designed and field expandable 24-station automatic pallet changer with a high performance 120 tool ATC - all in a super compact, space saving footprint, incorporating an unmanned machining development process for a multi-tasking machining environment that maximizes uptime.

Kitamura's versatile MedCenter5AX is an ultra-high precision, 5-axis machining center that offers unparalleled accuracy and speed for expanded machining capability in the machining of highly complex small to medium, multi-sided parts in one set-up. The machine's maximum stiffness, flexibility, and cutting capability make it an optimal choice for manufacturing precision parts for the medical, aerospace and telecommunications industries.

The MedCenter5AX comes equipped with a standard high speed 30,000min<sup>-1</sup> 18kw (24.5HP) direct drive, HSK-E40 spindle offering superb rigidity in spindle construction and function while allowing for super fine finish capabilities. Ideal for small diameter tools and hard milling, the MedCenter5AX offers a standard air through spindle feature for dry cutting and is also equipped to handle up to 1000psi coolant thru the spindle for deep hole drilling requirements.

A standard high accuracy package includes high resolution optical scale feedback on all axes (includes 4<sup>th</sup> & 5<sup>th</sup>), 67 million pulse encoder system, 16mm fine pitch ballscrews and Kitamura's very own Arumatik-Mi control with a 5x faster processing speed offering a super-smooth control process for high-speed machining of complex work pieces. Guaranteed positioning accuracy of  $\pm 0.002\text{mm}$  ( $\pm 0.000079''$ )/full stroke, Repeatability  $\pm 0.001\text{mm}$  ( $\pm 0.000039''$ ).