



Machining Challenges-Simplified®

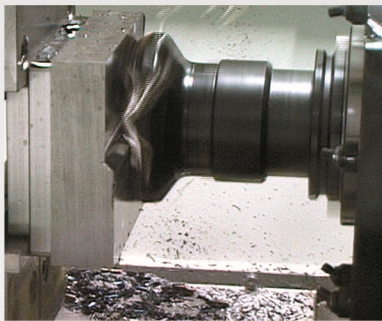
MYCENTER® iG SERIES

HORIZONTAL MACHINING CENTERS

For LONG MACHINE TOOL LIFE and day-in, day-out accuracy and reliability, CONSTRUCTION COUNTS.

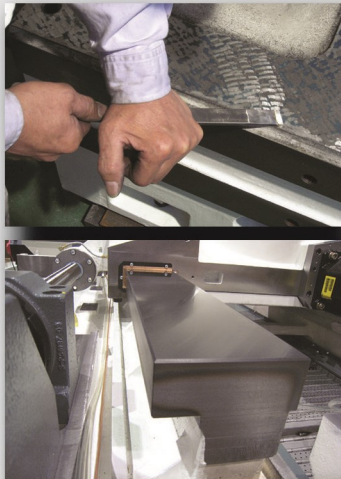
POWER

High Speed, High Torque
Geared Spindles



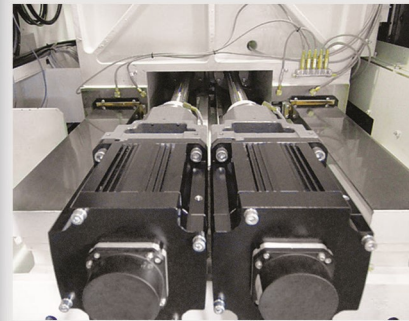
CONSTRUCTION

Hand Scraping/Solid Box Ways



PRECISION

Patented Twin Ballscrew & Dual Feedback
Technology



WIDE SELECTION OF SIZES! In Stock IMMEDIATE Delivery!

	HX250iG**	HX300iG**	HX400iG	HX500iG #40	HX500iG #50	HX630G	HX800G
Max. Workpiece Size:	Ø350mm (Ø13.8") 400mm (15.7") H	Ø500mm (Ø19.7") 745mm (29.3") H	Ø630mm (Ø24.8") 745mm (29.3") H	Ø800mm (Ø31.5") 1,100mm (43.3") H	Ø800mm (Ø31.5") 1,100mm (43.3") H	Ø1,080mm (Ø42.5") 1,300mm (51.2") H	Ø1,525mm (Ø60.0") 1,550mm (61.0") H
Dual Contact Spindle:	150~15,000min ⁻¹ (30,000min ⁻¹ Opt.)	40~15,000min ⁻¹ (20,000min ⁻¹ Opt.)	40~15,000min ⁻¹ (20,000min ⁻¹ Opt.)	4-Step Geared 20~20,000min ⁻¹	4-Step Geared 35~12,000min ⁻¹ (8,000min ⁻¹ Opt.)	4-Step Geared 35~12,000min ⁻¹ (8,000min ⁻¹ Opt.)	4-Step Geared 35~12,000min ⁻¹ (8,000min ⁻¹ Opt.)
Rapid Feed (X, Y, Z):	60m/min (2,362ipm)						
Machine Weight:	4,500kg (9,900 lbs.)	(9,100kg) (20,020 lbs.)	9,800kg (21,560 lbs.)	16,100kg (35,420 lbs.)	16,500kg (36,300 lbs.)	21,000kg (46,200 lbs.)	28,400kg (62,480 lbs.)

Positioning Accuracy: $\pm 0.002\text{mm}$ ($\pm 0.000079"$) / Full Stroke Repeatability: $\pm 0.001\text{mm}$ ($\pm 0.000039"$)

World's Fastest Rapids: 60m/min (2,362ipm) on Solid Box Ways

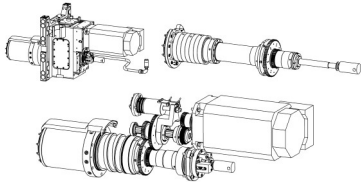
***Mycenter-HX250iG & HX300iG are constructed with Cross Linear Roller Ways*

Features that promote ease of operation

KITAMURA® POWER



Geared Head Spindles



- ⇒ Rigidity in spindle construction with tighter bearings results in not only **HEAVY cutting** ability but also **better SURFACE FINISHES**. Dual contact spindle design guarantees **higher cutting accuracy** and extended cutting tool life.
- ⇒ Deliver the necessary torque for tough cuts and high-end power for fine finishes.
- ⇒ Highly efficient cutting performance with low energy consumption.
- ⇒ Efficient oil chiller system used for minimizing thermal displacement and maximizing spindle life to achieve the performance needed for **high accuracy machining**.



Kitamura's unique gear-driven spindle design has earned Kitamura the coveted "20th Japan Industrial Machining Union Chairman Award" for the best energy saving machine tool technology

KITAMURA® CONSTRUCTION

- ⇒ Kitamura's solid box ways offer **heavier cutting ability, better surface finishes and longer tool life**.
- ⇒ Kitamura's solid box ways provide 7 x more surface contact under the same high speed rapid feed rates as linear ways.
- ⇒ Solid box guide ways are induction hardened and precision ground to provide optimum accuracy, superior abrasion resistance and vibration absorption for finer surface finishes and increased machine longevity.
- ⇒ **TGA (True Geometric Accuracy)** - Kitamura hand scrapes all mating surfaces for full surface contact & proper alignment (squareness, parallelism, perpendicularity) to **ensure unparalleled machine accuracy**, long-term reliability and peak performance.

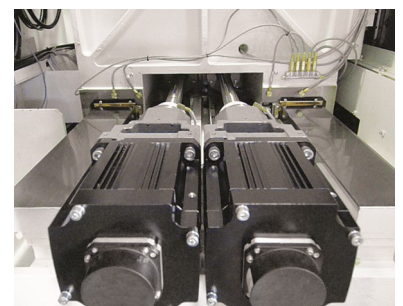


Scraping/Solid Box Ways

KITAMURA® HIGH SPEED PRECISION

- ⇒ Small diameter, fine pitch ballscrews allow for higher ballscrew RPM with smaller incremental movements. Dual ballscrew and motor technology on each axis offers the stability necessary to support large, heavy masses moving at higher speeds with **a higher degree of accuracy**, especially when cutting heavier, more exotic materials.
- ⇒ **Pioneering Icon CNC Operation—Kitamura's Arumatik-Mi CNC** Control utilizes ultra-high speed CNC technology for smoother and faster machining of more complex workpieces thanks to the power of with 1680-block look ahead, 2,800/blocks per sec. processing speeds.

Patented twin ballscrew & dual feedback technology since 1999!



Positioning Accuracy $\pm 0.000079''$ / Full Stroke • Repeatability $\pm 0.000039''$