

MYCENTER[®]

HX250iG



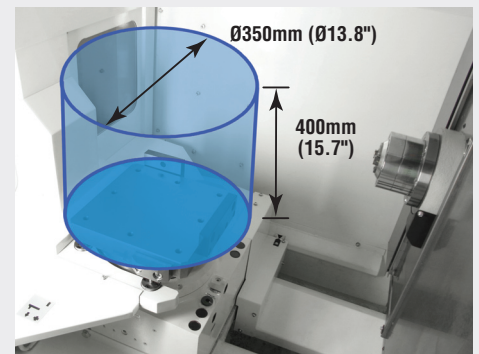
HORIZONTAL MACHINING CENTER

SIMPLIFY THE COMPLICATED

HX250iG The machine for high speed, high

Power & precision in an

- Rigid 4,500kg (9,900Lbs) Meehanite cast construction manufactured in Japan with craftsmanship in handscraping techniques
- Space-saving, ultra compact 2.33 x 2.95m (7.7' x 9.7') footprint
- 2-station APC with high speed 4th Axis rotary table with rotary scale. Integral drive motor driven with rapids of 108,000deg/min (300min⁻¹)
- Ultra-high-speed rapid/cutting feeds, 60m/min (2,362ipm)
- Ultra-high speed tool change, T-T 0.9 Seconds
- High performance THK double roller linear guideway system
- Powerful 15,000min⁻¹, 15HP Direct Drive, Dual Contact Spindle. 30,000min⁻¹ HSK spindle is an available option
- Standard scraper type chip conveyor with rolling filtration system



Quick Pull Down Menu

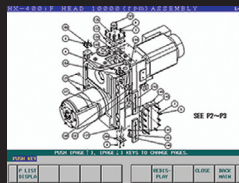
Arumatik-Mi

Pioneering Icon CNC Operation

- 67 Million pulse encoder technology with up to 8,192 block look-ahead processing speeds
- Software upgrades throughout the life of the control
- Completely customizable and expandable user experience
- Video Guidance and visual programming screens
- Anywhere-Remote® E-Mail status updates



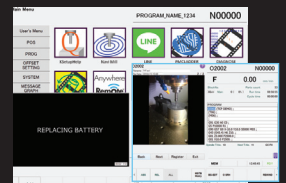
Customizable Icon Screen. Advanced touch screen capabilities with user customized main menu touch screen and a variety of visual programming screens and functions that offer the operator faster and easier methods of part set-up and processing.



Maintenance Support Function. Kitamura's Maintenance Support Function offers operator convenience in displaying methods of machining maintenance, repair and parts support on the NC Screen.



Our high efficiency **Intelligent Advanced Control System (IAC)** consists of a series of strategically located sensors and machine efficiency monitors that work to keep component growth due to machining heat build-up to less than ±5 microns (±0.0002").



Video Guidance. Useful functions visually walk the user through methods of battery replacement, alarm release, APC recovery, PMC ladder and alarm release / guidance making it easier to monitor machine performance and uptime.

Positioning Accuracy $\pm 0.002\text{mm}$ ($\pm 0.000079''$) / Full Stroke

Repeatability $\pm 0.001\text{mm}$ ($\pm 0.000039''$)

World renowned JAPANESE

SPECIFICATIONS Mycenter-HX250iG

Table

Table Size	254 x 254mm (10.0" x 10.0")
Table Indexing	0.001 Degree (4th Axis)
Tapped Hole (Size x Qty.)	M12 x 1.75 x 8
Max. Table Load	100kg (220 lbs.)
Max. Workpiece Dia.	Ø350mm (Ø13.8")
Max. Workpiece Height	400mm (15.7")

Travels

X-Axis Travel	305mm (12.0")
Y-Axis Travel	305mm (12.0")
Z-Axis Travel	330mm (13.0")
B-Axis Travel	0 to 360 Degrees Full 4th Axis
Table Surf. to Spindle Center	60 to 365mm (2.4" to 14.4")
Table Center to Spindle Nose	60 to 390mm (2.4" to 15.4")

Spindle

Spindle Taper	#30 NST (HSK-E40 Option / 30k)
Spindle Speed	150 ~ 15,000min ⁻¹ (30,000min ⁻¹ Opt.)
Drive Method	Direct Drive
Maximum Spindle Torque	70.0 N•m (51.6 ft•lbs)
Spindle Motor	11kW (15HP AC/30 min) 7.5kW (10HP AC/Cont.)

Feed

Rapid Feed X,Y,Z	60m/min (2,362ipm)
Cutting Feed Rate X,Y,Z	60m/min (2,362ipm)
Rapid Feed (B-Axis)	108,000 deg/min (300 min ⁻¹)

APC

Number of Pallets	2 (Opt. 10-Station Pallet Pool)
APC Change Time	7.9 seconds

ATC

Tool Storage Capacity	40 Tools (Opt. 52, 102)
Tool Selection Method	Random Bi-Directional, Fixed Pot
Tool Holder Style	BT 30 (HSK-E40 Opt.)
Max. Tool Dia.	Ø50mm (Ø2.0") / Ø75mm (Ø3.0")
Max. Tool Length	200mm (7.9")
Max. Tool Weight	3kg (6.6 lbs.)
Tool to Tool	0.9 seconds
Chip to Chip	2.8 seconds, min.

Utilities

Power Requirement	30KVA, 200v AC, 3 Phase
Air Requirement	0.5 MPa, 150L/min (90psi, 6cfm)

Machine Dimensions

Required Space (W x D)	2,330 x 2,948mm (91.7" x 116.1")
Machine Height	2,470mm (97.2")
Machine Net Weight	4,500kg (9,900 lbs.)

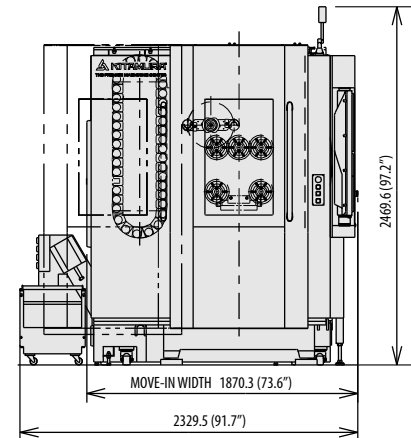
Control

Arumatik-Mi

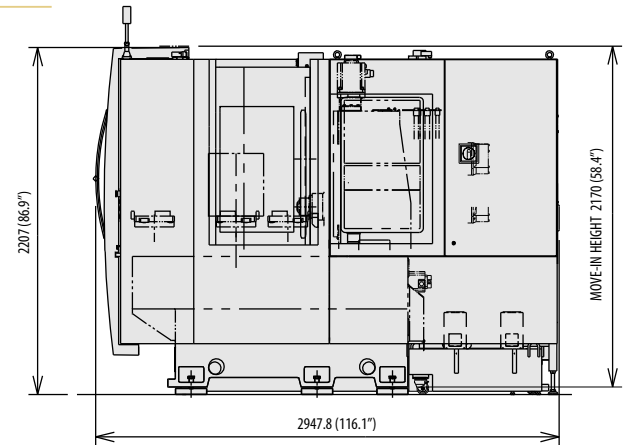
Specifications subject to change without notice.

FLOOR PLANS

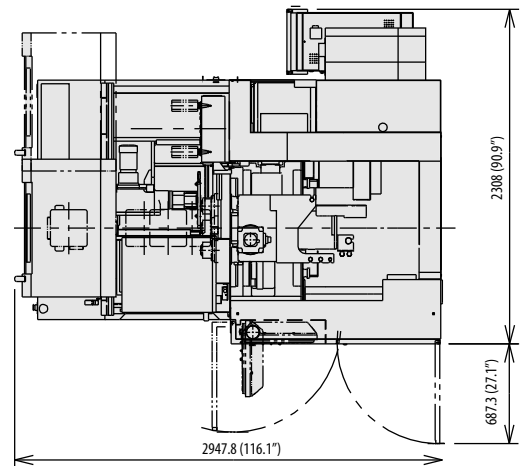
Front View



Side View



Layout View



KITAMURA
Machining Challenges-Simplified®

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