SPECIFICATIONS Mycenter-HX400iG

ble	,
Table Size	400 x 400mm (15.7" x 15.7")
Table Indexing	0.001 Degree (4th Axis)
Tapped Hole (Size x Qty.)	M16 x 2.0 x 25
Max. Table Load	350 /400kg (770/880 lbs.)
Max. Workpiece Dia.	Ø630mm (Ø24.8")
Max. Workpiece Height	745mm (29.3")
ravels	
X-Axis Travel	610mm (24.0")
Y-Axis Travel	610mm (24.0")
Z-Axis Travel	610mm (24.0")
B-Axis Travel	0 to 360 Degrees Full 4th Axis
Table Surf. to Spindle Center	40 ~ 650mm (1.6" to 25.6")
Table Center to Spindle Nose	100 ~ 710mm (3.9" to 27.9")
pindle	
Spindle Taper	#40 NST (HSK-A63 Opt.)
Spindle Speed	40 ~ 15,000min ⁻¹ (20,000min ⁻¹ Opt.)
Drive Method	Direct Drive
Maximum Spindle Torque	95.5 N•m (70.4 ft•lbs)
Spindle Motor	22kW (30HP AC/ 5 min)
	15kW (20HP AC/10 min)
	11kW (15HP AC/30 min)
	7.5kW (10HP AC/Cont.)
eed	
Rapid Feed X,Y,Z	60m/min (2,362ipm)
Cutting Feed Rate X,Y,Z	60m/min (2,362ipm)
Rapid Feed (B-Axis)	45,000 deg/min (125min ⁻¹)
PC	
Number of Pallets	2
APC Change Time	8.5 seconds
TC	
Tool Storage Capacity	50 Tools (Opt. 100,150, 200)
Tool Selection Method	Random bi-directional, Fixed Pot
Tool Holder Style	CT (BT) 40 (HSK-A63 Opt.)
Max. Tool Dia.	Ø95mm (Ø3.7") / Ø150mm (Ø5.9")
Max. Tool Length	370mm (14.6")
Max. Tool Weight	10kg (22 lbs.)
Tool to Tool	1.3 seconds
Chip to Chip	2.5 seconds, min.
Itilities	
Power Requirement	50KVA, 200v AC, 3 Phase
	55KVA - Opt. 20,000rpm Spindle
Air Requirement	0.5 MPa, 350L/min (90psi, 12cfm)
Machine Dimensions	
Required Space (W x D)	3,068 x 4,065mm (120.8" x 160.0")
Machine Height	2,739mm (107.8")
Machine Net Weight	9,800kg (21,560 lbs.) Arumatik®-Mi

Available Options





Non-Contact Tool Probe

Field Expandable Multi-Pallet Systems





Field Retrofittable 5th Axis Rotary Tables (available on both pallets)

Up to 1000psi Coolant Thru the Spindle Available





Production Monitoring Software

Double Decker Style Chip Conveyor



KITAMURA" MACHINERY CO., LTD.

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HORIZONTAL MACHINING CENTER



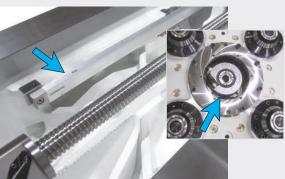
SIMPLIFY THE COMPLICATED

HX400 G World's fastest 400mm mid to large size horizontal machining technology

Superior design and required precision for your most challenging workpieces

- Rigid 9,800kg (21,560Lbs) Meehanite cast construction manufactured in Japan with craftsmanship in handscraping techniques
- Field expandable 2-station APC with high speed 4th Axis rotary table and rotary scale. DD motor driven with rapids 45,000deg/min (125min⁻¹)
- Ultra-high-speed rapid/cutting feeds, 60m/min (2,362ipm) on solid box ways
- Induction Hardened Solid box guideways with linear scale feeback on all axes
- Powerful 15,000min⁻¹, 30HP Direct Drive, Dual Contact Spindle. 20,000min⁻¹ HSK spindle is an available option.
- Ballscrew cooling in Z-axis
- Standard hinge belt style conveyor combined with dual internal chip augers = High efficiency chip evacuation





In-house induction hardened solid box wavs provide the mass, stability and damping capacity necessary to offer heavier cutting ability, superb surface finishes and longer

Standard linear (X, Y, Z) and rotary scale (B) feedback offer long term, highest in-class accuracy while minimizing displacement even at outer edges of table



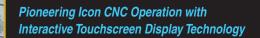


High Speed B-Axis - DD Motor Driven 45,000deg/min (125min⁻¹) Rotation.

- Positioning Accuracy ±2 arc sec
- High resolution built-in Heidenhain rotary encoder
- Zero backlash
- Dramatically faster indexing time reduces out of cut time and increases the amount of material removed in milling applications. Turning is possible with "Fastest in class" rapid feeds.

Exclusive 50-tool fixed pot ATC.

In-the-field tool capacity expansion up to 200 tools. Ultra-fast 1.3 sec. T-T change time optimizes machine performance.



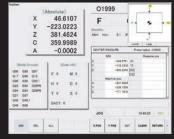


- 67 Million pulse encoder technology with 8,192 block look-ahead processing speeds
- Software upgrades throughout the life of the control
- Fanuc user-friendly
- Completely customizable and expandable user experience
- Video Guidance and visual programming screens

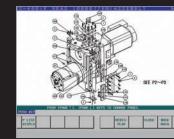
The latest in control technology with a focus on ease of use for the operator



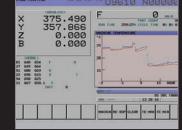
customized main menu touch screen and a variety of visual programming



offsets with just a few keystrokes. Four types of measurements are possible. Edge side measure, center measure, 3 point diameter center



Function Offers operator convenience in displaying methods of machining maintenance, repair and parts support



Controls the effects of heat stroke. Kitamura patented system

Positioning Accuracy +/-0.002mm (+/-0.000079") / Full Stroke

Repeatability +/-0.001mm (+/-0.000039")

World renowned JAPANESE design, engineering and manufacture since 1933