SPECIFICATIONS Mycenter-HX300iG

Table Size	305 x 305mm (12.0" x 12.0")
Table Indexing	0.001 Degree (4th Axis)
Tapped Hole (Size x Qty.)	M16 x 2.0 x 16
Max. Table Load	250kg (550 lbs.)
Max. Workpiece Dia.	Ø500mm (Ø19.7")
Max. Workpiece Height	745mm (29.3")
nvels	
X-Axis Travel	460mm (18.1")
Y-Axis Travel	510mm (20.0")
Z-Axis Travel	560mm (22.0")
B-Axis Travel	0 to 360 Degrees
Table Surf. to Spindle Center	50 to 560mm (2.0" to 22.0")
Table Center to Spindle Nose	60 to 620mm (2.4" to 24.4")
indle	
Spindle Taper	#40 NST (HSK-A63 Opt.)
Spindle Speed	40 to 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.)
ed	
Rapid Feed X,Y,Z	60m/min (2,362ipm)
Cutting Feed Rate X,Y,Z	60m/min (2,362ipm)
Rapid Feed (B-Axis)	54,000 deg/min (150 min ⁻¹)
PC .	
Number of Pallets	2
APC Change Time	8.5 seconds
C	
Tool Storage Consoits	50 Tools (Opt.100,150,200)
Tool Storage Capacity	
Tool Selection Method	Random Bi-Directional, Fixed Pot
Tool Selection Method Tool Holder Style	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.)
Tool Selection Method Tool Holder Style Max. Tool Dia.	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9")
Tool Selection Method Tool Holder Style Max. Tool Dia. Max. Tool Length	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9") 350mm (13.8")
Tool Selection Method Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9") 350mm (13.8") 10kg (22 lbs.)
Tool Selection Method Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9") 350mm (13.8") 10kg (22 lbs.) 1.3 seconds
Tool Selection Method Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9") 350mm (13.8") 10kg (22 lbs.)
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Tool Selection Method Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip ilities Power Requirement	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9") 350mm (13.8") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min. 45 KVA, 200v AC, 3 Phase 50 KVA, - Opt. 20,000rpm Spindle
Tool Selection Method Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip ilities Power Requirement Air Requirement	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9") 350mm (13.8") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min. 45 KVA, 200v AC, 3 Phase 50 KVA, - Opt. 20,000rpm Spindle
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Tool Selection Method Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip ilities Power Requirement Air Requirement achine Dimensions Required Space (W x D)	Random Bi-Directional, Fixed Pot CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (5.9") 350mm (13.8") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min. 45 KVA, 200v AC, 3 Phase 50 KVA, - Opt. 20,000rpm Spindle 0.5 MPa, 280L/min (90psi, 10cfm) 2,759 x 3,574mm (108.6" x 140.7")

Available Options





Spindle and Tool Probes





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

Up to 1000psi Coolant Thru the Spindle Available





Production Monitoring Software

Smart Fixturing and Workholding Options



KITAMURA® MACHINERY CO., LTD.

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www.kitamura-machinery.co.jp

Kitamura Machinery of U.S.A., Inc. (Chicago) TEL: (847) 520-7755 FAX: (847) 520-7763 www.kitamura-machinery.com

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HORIZONTAL MACHINING CENTER



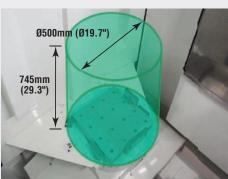
SIMPLIFY THE COMPLICATED

HX300iG Ultra-compact mid-size #40 HMC offers high speed, profit enhancing features

Made in Japan quality, rigidity and reliability for high-production environments

- Rigid 9,100kg (20,020Lbs) 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 54,000deg/min (150min⁻¹)
- Ultra-high-speed rapid/cutting feeds, 60m/min (2,362ipm)
- Ultra-high speed tool change, T-T 1.3 Seconds
- High performance THK double roller linear guideway system
- Powerful 15,000min⁻¹, 30HP Direct Drive, Dual Contact Spindle. 20,000min⁻¹ HSK spindle is an available option.
- Ballscrew cooling and fine resolution linear Scale feedback in X, Y, Z axes.
- Standard hinge belt style conveyor combined with dual internal chip augers = High efficiency chip evacuation

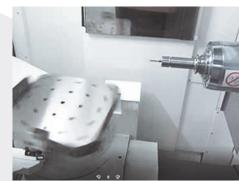




All mating surfaces are hand scraped to assure an absolutely perfect fit. No need for geometry compensation to adjust for squareness, parallelism and perpendicularity. High performance THK double roller linear guideways offer long life expectancy while holding accuracies. Smooth and quiet operation.

Generous Work Envelope.

Ø500mm (Ø19.7") x 745mm (29.3") H. Standard 2-APC system and full 4th axis offer smart fixturing and work holding options. An additional 5th axis can be added to BOTH pallets in the field for ultimate flexibility and less handling of your more complex parts.





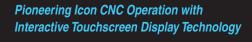
The latest in control technology with a focus on ease of use for the operator

High Speed B-Axis - DD Motor Driven 54,000deg/min (150min⁻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.

Standard 50-Tool Automatic Tool Changer

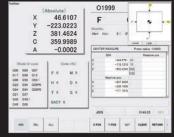
minimizes tool change time for maximum cutting time. Kitamura's exclusive, patented fixed pot ATC system assures tools are always returned to the same pot and the next tool to be used is kept in a "stand-by" pot. Up to 200T can be added in the field for increased capability.



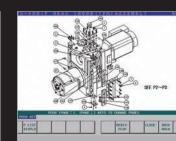


- 67 Million pulse encoder technology with 8,192 block look-ahead processing speeds
- Software upgrades throughout the life of the control
- Fanuc user-friendly
- Completely customizable and expandable user experience
- Video Guidance and visual programming screens

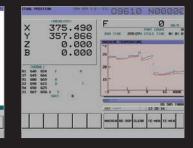
customized main menu touch screen and a variety of visual programming



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