SPECIFICATIONS Mycenter-HX400iG

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. 62, 100, 150, 200)
	B 1 11 11 11 11 1B 1
Tool Selection Method	Random bi-directional, Fixed Pot
Tool Holder Style	CT (BT) 40 (HSK-A63 Opt.)
Tool Holder Style Max. Tool Dia.	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9")
Tool Holder Style Max. Tool Dia. Max. Tool Length	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6")
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.)
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.)
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min.
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip tilities Power Requirement	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min.
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip tilities Power Requirement Air Requirement	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min.
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip tilities Power Requirement Air Requirement For 20,000 min ⁻¹ Spindle	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min.
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip tilities Power Requirement Air Requirement For 20,000 min ⁻¹ Spindle	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min. 50KVA, 200v AC, 3 Phase 0.5 MPa, 350L/min (90psi, 13cfm) 0.5 MPa, 410L/min (90psi, 15cfm)
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip tilities Power Requirement Air Requirement For 20,000 min ⁻¹ Spindle	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min. 50KVA, 200v AC, 3 Phase 0.5 MPa, 350L/min (90psi, 13cfm)
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip tilities Power Requirement Air Requirement For 20,000 min ⁻¹ Spindle	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min. 50KVA, 200v AC, 3 Phase 0.5 MPa, 350L/min (90psi, 13cfm) 0.5 MPa, 410L/min (90psi, 15cfm) 3,068 x 4,065mm (120.8" x 160.0") 2,739mm (107.8")
Tool Holder Style Max. Tool Dia. Max. Tool Length Max. Tool Weight Tool to Tool Chip to Chip tilities Power Requirement Air Requirement For 20,000 min ⁻¹ Spindle	CT (BT) 40 (HSK-A63 Opt.) Ø95mm (Ø3.7") / Ø150mm (Ø5.9") 370mm (14.6") 10kg (22 lbs.) 1.3 seconds 2.5 seconds, min. 50KVA, 200v AC, 3 Phase 0.5 MPa, 350L/min (90psi, 13cfm) 0.5 MPa, 410L/min (90psi, 15cfm) 3,068 x 4,065mm (120.8" x 160.0")

Available Options





Non-Contact Tool Probe

Field Expandable Multi-Pallet Systems





Rotary Tables (available on both pallets)

Field Retrofittable 5th Axis Up to 1000psi Coolant Thru the Spindle Available





Machine Monitoring Software Suite MTConnect Ready Adaptor

Double Decker Style Chip Conveyor

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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

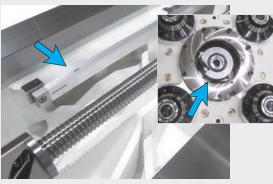
- Rigid 9,800kg (21,560Lbs) Meehanite cast construction manufactured in Japan with craftsmanship in handscraping techniques
- Field expandable 2-station APC with high speed 4th Axis rotary table and rotary scale. Integral drive motor driven with rapids 45,000deg/min (125min⁻¹)
- Ultra-high-speed rapid/cutting feeds, 60m/min (2,362ipm) on solid box wavs
- Induction Hardened Solid box guideways with linear scale feeback
- 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



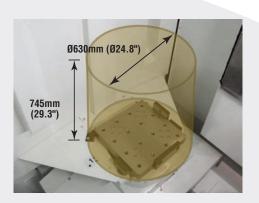


In-house induction hardened solid box ways provide the mass, stability and damping capacity necessary to offer heavier

cutting ability, superb surface finishes and longer tool life.

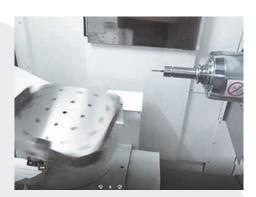


Standard linear (X, Y, Z) and rotary scale (B) feedback offer long term, highest in-class accuracy while minimizing



Generous Work Envelope.

Ø630mm (Ø24.8") 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.





High Speed B-Axis - Integral Drive 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"

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.

Pioneering Icon CNC Operation with Interactive Touchscreen Display Technology

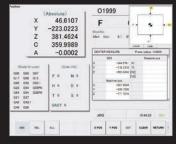
Arumatik'i i

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

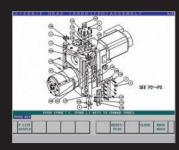
The latest in control technology with a focus on ease of use for the operator



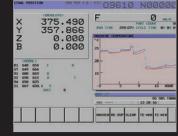
touch screen capabilities with user customized main menu touch screen and a variety of visual programming



Work Set Assistance, Set-up work 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 displacement in order to ensure 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