



**Model #**  
**HMC 630A**  
**/ 630B**

ITEM	SPECIFICATIONS		630A / 630B		
Travel	X-Axis,Y-Axis,Z-Axis	X: 1050, Y: 850, Z: 950mm			
	Spindle Nose To Pallet	150-1100mm			
	Spindle Center To Pallet Surface	90-940mm			
Table	Table Size	630X630mm			
	Workbench Number	1(Opt.2)			
	Workbench Surface Configuration	M16-125mm			
	The Workbench Maximum Load	1200kg			
	The Smallest Unit of Setting	1°(Opt.0.001°)			
Spindle	Spindle Taper	BT-50			
	Type Of Driving	Beltt Type		Direct Type	Gear head
	Spindle RPM	6000 rpm		8000 rpm	6000 rpm
	Spindle Motor type	0IMF-β		0IMF-α	0IMF-β
Controller and Motor	Spindle Motor	15/18.5 kW (143.3Nm)		22/26 kW (140Nm)	15/18.5 kW (143.3Nm)
	X Axis Servo Motor	3kW(36Nm)		7kW(30Nm)	3kW(36Nm)
	Y Axis Servo Motor	3kW(36Nm)BS		6kW(38Nm)BS	3kW(36Nm)BS
	Z Axis Servo Motor	3kW(36Nm)		7kW(30Nm)	3kW(36Nm)
	B Axis Servo Motor	2.5kW (20Nm)		3kW (12Nm)	2.5kW (20Nm)
	Spindle Motor type	0IMF-β		0IMF-α	0IMF-β
	X. Z Axis Rapid Feed Rate	24m/min		24m/min	24m/min

<b>Feed Rate</b>	Y Axis Rapid Feed Rate	24m/min	24m/min	24m/min
	X. Y. Z Max.Cutting Feed Rate	6m/min	6m/min	6m/min
<b>ATC</b>	Arm Type (Tool to Tool)	30T (4.5 sec)		
	Tool Shank	BT-50		
	Max. Tool Diameter*Length(adjacent)	φ200*350mm(φ105*350mm)		
	Max. Tool Weight	15kg		
<b>Others</b>	Approximate Weight	A: 15500kg / B: 17000kg		
	Floor Space Measurement	A: 6000*4600*3800mm		
		B: 6500*4600*3800mm		

### Standard Accessories

- Fully-Enclosed Splash Guard
- Electrical Cabinet with Heat Exchanger
- Work Lamp + Alarm Lamp
- High Pressured Coolant & Air Gun
- Spindle Air Blast & Coolant Nozzle
- Rigid Tapping
- Auto Lubrication System
- Editable CF Card Function
- Portable Hand Wheel (MPG)
- Auto interrupt & Power Off System
- Leveling Blocks & Screws
- Tool & Tool Box
- Chip Flushing System
- Spindle Coolant System
- Screw Type Chip Conveyor+Cart
- Operation Manual

### Optional Accessories

- ◎ FANUC 0i-MF-(ALPHA PACKAGE)+AICC II
- ◎ Air Conditioner for Electrical Cabinet
- ◎ Chain type ATC-40T (40 taper)
- ◎ Chain type ATC-60T (40 taper)
- ◎ Chain type ATC-80T (40 taper)
- ◎ CTS 30 bar / 50 bar
- ◎ Heidenhain linear scales for XYZ
- ◎ Renishaw TS-27R (touch probe)
- ◎ Renishaw NC4 (laser probe)
- ◎ Renishaw OMP60 (workpiece probe)
- ◎ Transformer 30kva
- ◎ Oil Skimmer
- ◎ CE standard





ITEM	SPECIFICATIONS		800A / 800B		
Travel	X-Axis,Y-Axis,Z-Axis	X: 1300, Y: 1000, Z: 1050mm			
	Spindle Nose To Pallet	150-1200mm			
	Spindle Center To Pallet Surface	90-1090-0-1000mm			
Table	Table Size	800X800mm			
	Workbench Number	1(Opt.2)			
	Workbench Surface Configuration	M16-160mm			
	The Workbench Maximum Load	1300-2000kg			
	The Smallest Unit of Setting	1°(Opt.0.001°)			
Spindle	Spindle Taper	BT-50			
	Type Of Driving	Beltt Type			
	Spindle RPM	6000 rpm			
	Spindle Motor type	0IMF-β			
Controller and Motor	Spindle Motor	15/18.5 kW (143.3Nm)		22/26 kW (140Nm)	15/18.5 kW (143.3Nm)
	X Axis Servo Motor	3kW(36Nm)		7kW(30Nm)	3kW(36Nm)
	Y Axis Servo Motor	3kW(36Nm)BS		7kW(30Nm)BS	3kW(36Nm)BS
	Z Axis Servo Motor	3kW(36Nm)		7kW(30Nm)	3kW(36Nm)
	B Axis Servo Motor	2.5kW (20Nm)		3kW (12Nm)	2.5kW (20Nm)
	Spindle Motor type	0IMF-β		0IMF-α	0IMF-β
Feed Rate					
	X. Z Axis Rapid Feed Rate	24m/min		24m/min	24m/min
	Y Axis Rapid Feed Rate	24m/min		24m/min	24m/min
	X. Y. Z Max.Cutting Feed Rate	6m/min		6m/min	6m/min
ATC	Arm Type (Tool to Tool)	30T (4.5 sec)			
	Tool Shank	BT-50			
	Max. Tool Diameter*Length(adjacent)	φ200*350mm(φ105*350mm)			
	Max. Tool Weight	15kg			
Others	Approximate Weight	A: 16,500kg / B:20,000kg			
	Floor Space Measurement	A: 6000*5000*3800mm			
		B: 7000*5000*3800mm			

Standard Accessories	Optional Accessories
• Fully-Enclosed Splash Guard	◎ FANUC 0i-MF-(ALPHA PACKAGE)+AICC II
• Electrical Cabinet with Heat Exchanger	◎ Air Conditioner for Electrical Cabinet
• Work Lamp + Alarm Lamp	◎ Chain type ATC-40T (40 taper)
• High Pressured Coolant & Air Gun	◎ Chain type ATC-60T (40 taper)
• Spindle Air Blast & Coolant Nozzle	◎ Chain type ATC-80T (40 taper)
• Rigid Tapping	◎ CTS 30 bar / 50 bar
• Auto Lubrication System	◎ Heidenhain linear scales for XYZ
• Editable CF Card Function	◎ Renishaw TS-27R (touch probe)
• Portable Hand Wheel (MPG)	◎ Renishaw NC4 (laser probe)
• Auto interrupt & Power Off System	◎ Renishaw OMP60 (workpiece probe)
• Leveling Blocks & Screws	◎ Transformer 30kva
• Tool & Tool Box	◎ Oil Skimmer
• Chip Flushing System	◎ CE standard
• Spindle Coolant System	
• Screw Type Chip Conveyor+Cart	
• Operation Manual	