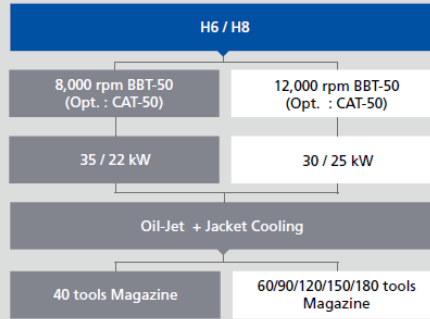


Product Configuration

Each product can be configured to fit your application.



Machine Specifications

ITEM		H6	H8
Travel			
Stroke (X/Y/Z)	mm(inch)	1,050 / 900 / 1,000 (41.34 / 35.43 / 39.37)	1,400 / 1,150 / 1,250 (55.12 / 45.28 / 49.21)
B-axis Rotation Angle	deg.	360	360
Distance from Table Center to Spindle Gauge Plane	mm(inch)	70 ~ 1,070 (2.76 ~ 42.13)	100 ~ 1,350 (3.94 ~ 53.15)
Distance from Table Surface to Spindle Center	mm(inch)	70 ~ 970 (2.76 ~ 38.19)	100 ~ 1,250 (3.94 ~ 49.21)
Table			
Working Surface	mm(inch)	630 x 630 (24.80 x 24.80)	800 x 800 (31.50 x 31.50)
Table Loading Capacity	kg.(lb.)	1,600 (3,527)	2,200 (4,850)
Min. Indexing Angle	deg.	0.001	1 (OPT : 0.001)
Max. Workpiece Size	mm(inch)	Ø1,050 / 1,300 (41.34 / 51.18)	Ø1,450 / 1,450 (57.09 / 57.09)
Spindle			
Max. Spindle Speed	rpm	8,000 (OPT : 12,000)	
Spindle Motor	kW(HP)	35 / 22 (47 / 30)	
Type of Spindle Taper Hole	-	ISO#50, 7/24 Tapper (BBT-50)	
Spindle Bearing Inner Diameter	mm(inch)	Ø100 (Ø3.94)	
Method of Spindle Lubrication & Cooling	-	Oil-Jet Lub. + Jacket Cooling	
Feedrate			
Rapid Traverse (X/Y/Z)	m/min(ipm)	48 / 48 / 40 (1,890 / 1,890 / 1,575)	36 / 36 / 36 (1,417.3 / 1,417.3 / 1,417.3)
Rotating Time for 90° (B)	sec	1.2	2.5
Motor			
Feed Motor (X1 / X2 / Y1 / Y2 / Z / B)	kW(HP)	6 / 6 / 7 / 7 / 9 / 5.5 (8 / 8 / 9.3 / 9.3 / 12 / 7.3)	
Coolant Motor (Spindle / Shower Coolant)	kW(HP)	0.75 / 1.8 (1.0 / 2.4)	
Spindle Cooler (S0 / 60Hz)	kW(HP)	5.0 / 5.6 (6.7 / 7.5)	
ATC			
Type of Tool Shank / Type of Pull Stud	-	BBT-50 (Opt.: CAT-50) / 90° Type	
Tool Storage Capacity	ea	40 (OPT : 60 / 90 / 120 / 150 / 180)	
Max. Tool Diameter (With Adjacent Tools / Without)	mm(inch)	Ø125 (4.92) / Ø300 (11.81)	
Max. Tool Length	mm(inch)	550 (21.65)	600 (23.62)
Max. Tool Weight	kg.(lb.)	30 (66.1)	
Method of Tool Selection	-	Fixed Address	
APC			
Number of Pallets	ea	2	
Pallet Change Method	-	Rotary Type	
Operation Method	-	Servo Motor	
Pallet Change Time (180°)	sec	12	16
Power Source			
Electric Power Supply	kVA	100	
Compressed Air Supply (Pressure x Consumption)	-	0.5 ~ 0.7MPa x 960Nl/min	
Tank Capacity			
Spindle Cooling / Lubrication / Coolant	ℓ(gal)	60 / 12 / 1,200 (15.85 / 3.17 / 317)	60 / 12 / 1,000 (15.85 / 3.17 / 264.17)
Machine Size			
Height / Floor Space (Length x Width)	mm(inch)	3,640 (143.31) / 7,170 x 4,040 (282.26 x 159.05)	3,864 (152.13) / 7,660 x 4,440 (301.57 x 174.8)
Weight	kg.(lb.)	28,850 (63,603)	33,000 (72,752)
NC Controller		Fanuc 31i-B Plus	

Standard and optional product components

Standard Accessories		Optional Accessories	
•Adjust Bolt, Block & Plate	•Tool Box	•Air Gun	•Transformer
•Air Blower	•Workpiece Coordinate Pair 48ea	•Auto Door	•Workpiece Measuring System
•Air Dryer	•Work Light	•Coolant Gun	•Renishaw / Blum (Touch Type)
•Automatic Pallet Changer	•15" Color LCD	•Data Server (1, 2, 4, 16, 32GB)	•Hwacheon Artificial Intelligence
•Base Around Splash Guard	•Hwacheon Efficient Contour Control System (HECC)	•Lift up Chip Conveyor (Hinge Type, Scraper Type)	Control System (HAI) : 1,000 Block
•Coil Conveyor (2ea)	•Hwacheon Tool Load Detect System (HTLD)	•Linear Scale (X / Y / Z)	•H6 : Fixture Interface (6 Port)
•Coolant System	•Hwacheon Thermal Displacement Control System (HTDC)	•Mist Collector	•H6 : NC Cooler
•Door Interlock	•Hwacheon Artificial Intelligence Control System (HAI) : 600 Block	•Oil Mist (Semi Dry Cutting System)	•H6 : Tool Broken Detect system
•Lubrication System	•Cutting Feed Optimization System (OPTIMA)	•Oil Skimmer	•H8 : 800 x 1,000 Size Pallet
•MPG Handle (1ea)	•Hwacheon Real-time Geometric Compensation System (HRGQ)	•Spindle Through Coolant, (7MPa)	•Tool Measuring System : Blum (Touch Type, Laser Type)
•Operation Manual & Parts List	•Tool Life Management	(For 7MPa, only water soluble coolants are available)	
•Pneumatics System	•H6 : Ethernet Interface	•Data Server Interface	
•Part Program Storage Length 640m (256kB)	•H6 : Lubrication Oil Speration Tank		
•Rigid Tapping	•H6 : Rotary Encoder (Scale), B-Axis		
•Manual Guide i			
•Signal Lamp (R / G / Y, 3Colors)			
•Spindle Cooler			
•Spindle Through Coolant, (3MPa)			