

Product Configuration

Each product can be configured to fit your application.



Machine Specifications

ITEM	UH500	
	20,000	30,000
Stroke		
Stroke (X/Y/Z)	mm(inch)	750 / 500 / 350 (29.53" / 19.69" / 13.78")
Distance from Table Surface to Spindle Gauge Plane	mm(inch)	150~500 (5.91"~19.69")
Distance between Columns to Spindle Center	mm(inch)	179 (7.04")
Distance between Column	mm(inch)	950 (37.40")
Table		
Working Surface	mm(inch)	850 x 500 (33.46" x 19.70")
Table Loading Capacity	kg,(lb _r)	800 (1,764)
Table Surface Configuration (T slots WxP – No. of slots)	mm(inch)	18 x 100 (0.71" x 3.94") - 5ea
Spindle		
Max. Spindle Speed	rpm	20,000
Spindle Motor	kW(HP)	24 (32)
Type of Spindle Taper Hole	-	ISO#40, 7/24 Taper (BBT-40)
Spindle Bearing Inner Diameter	mm(inch)	Ø70 (Ø2.76")
Method of Spindle Lubrication & Cooling	-	Oil Jet Lubrication + Jacket Cooling
Feedrate		
Rapid Speed (X/Y/Z)	m/min(ipm)	24 / 24 / 24 (945 / 945 / 945)
Feedrate (X/Y/Z)	mm/min(ipm)	1~24,000 (0.04~945)
Motor		
Feed Motor (X/Y/Z)	kW(HP)	3.1 / 3.1 / 6.5 (4.15 / 4.15 / 8.7)
Coolant Motor (Spindle, Chip Flushing)	kW(HP)	0.4 / 0.4 (0.54 / 0.54)
Spindle Cooler (50/60Hz) – Inverter Type	kW(HP)	5.0 / 5.6 (6.7 / 7.5)
ATC		
Type of Tool Shank	-	MAS-403 BBT-40 (Opt.: CAT-40)
Type of Pull Stud	-	MAS P40T-1 (45°)
Tool Storage Capacity	ea	24
Max. Tool Diameter [With / Without Adjacent Tools]	mm(inch)	Ø90(Ø3.54") / Ø127(Ø5")
Max. Tool Length	mm(inch)	250 (9.84")
Max. Tool Weight	kg,(lb _r)	8 (17.64)
Method of Tool Selection	-	Fixed address
Method of Operation (Magazine/Swing Arm)	-	Servo Motor
Power Source		
Electric Power Supply	kVA	65
Compressed Air Supply (Pressure x Consumption)	-	0.5 ~ 0.7MPa x 690Nl/min
Tank Capacity		
Spindle Cooling / Lubrication / Coolant	ℓ (gal)	40 (10.57) / 12 (3.17) / 210 (55.48)
Machine Size		
Height	mm(inch)	2,925 (115.16")
Floor Space (Length x Width)	mm(inch)	2,377 x 3,579 (93.58" x 140.91")
Weight	kg,(lb _r)	8,000 (17,637)
NC Controller	HEIDENHAIN iTNC-530 HSCI	