

5 -AXIS HIGH SPEED DOUBLE COLUMN MACHINING CENTER

YD5 400 / 600 Series

MAXIMIZE RIGIDITY AND STABILITY
WITH UNIQUE MACHINE STRUCTURE DESIGN



- ▶ A/C axis Rotary range
+30° ~ -110° / 360°
- ▶ YD5-400 A/C Rotary Speed
25/25 rpm
- ▶ YD5-600 A/C Rotary Speed
25/33 rpm

SPECIFICATIONS

5-axis High Speed Double Column Machining Center

MODEL	UNIT	YD5-400	YD5-600
TRAVEL			
X axis	mm (inch)	580 (22.83)	890 (35.04)
Y axis	mm (inch)	950 (37.4)	1050 (41.34)
Z axis	mm (inch)	500 (19.69)	580 (22.83)
Distance from Spindle Nose to Table	mm (inch)	90-590 (3.54-23.23)	160-740 (6.3-29.13)
TABLE			
Table Dimension	mm (inch)	Ø398 (15.67)	Ø600 (23.62)
Table Loading Capacity	kg (lbs)	250 (551)	500 (1102)
T-slot (Width x Number)	mm (inch)	N°6 WIDTH 14 - 60°	14 x 100 x 5
SPINDLE			
Spindle Type	-	Direct drive	Direct drive
Spindle Speed	rpm	15000	15000
Spindle Motor Power	kw (HP)	10 / 14 (13 / 18)(Cont. / S6-40 %)	10 / 14 (13 / 18)(Cont. / S6-40 %)
Spindle Taper	-	BBT40	BBT40
FEED RATE			
Rapid Traverse (X / Y / Z)	m / min (inch / min)	36 / 36 / 36 (1417 / 1417 / 1417)	36 / 36 / 36 (1417 / 1417 / 1417)
Cutting Feed Rate	mm / min (inch / min)	20000 (787.4)	20000 (787.4)
X / Y / Z Motor Power	kw (HP)	5.1 / 5.4 / 5.1 (6.8 / 7.2 / 6.8)	5.4 / 5.1 / 5.1 (7.2 / 6.8 / 6.8)
ROTARY AXIS			
Rotary Table Diameter	mm (inch)	Ø398 (15.67)	Ø600 (23.62)
Rotation Range	degree	360	360
Positioning Accuracy	sec	±5	±5
Rotation Speed	rpm	25	33
Rotation Torque	Nm	756	729
TILTING AXIS			
Rotation Range	degree	+30° ~ -110°	+30° ~ -110°
Positioning Accuracy	sec	±5	±5
Rotation Speed	rpm	25	25
Rotation Torque	Nm	756	1404
ATC & TOOL MAGAZINE			
Tool Magazine Type	-	Arm Type	Arm Type
Magazine Capacity	pcs	30	30
Max. Tool Diameter: (Adjacent Pots Empty)	mm (inch)	75 / 150 (2.95 / 5.91)	75 / 150 (2.95 / 5.91)
Max. Tool Length	mm (inch)	300 (11.81)	300 (11.81)
Max. Tool Weight	Kg (lbs)	7 (15)	7 (15)
Tool Taper	-	BBT40	BBT40
SPACE & SYSTEM REQUIREMENT			
Pneumatic Pressure	kgf / cm ²	6	6
Electrical Power Consumption	KVA	60	60
Machine Net Weight	Kg (lbs)	9500 (20943)	14000 (30864)

STANDARD FEATURES

- Water Tank & Rear Flushing System
- Full Enclosed Splash Guard
- Chain Type Chip Conveyor
- X / Y / Z Linear Scale
- A/C Axis Encoder
- Tri-colored Lamp Guard
- Work Lamp
- Air Conditioner For Electrical Box
- Oil Skimmer
- Heidenhain TNC640 Controller
- Dynamic Collision Monitor
- Horizontal Adjustment Block and Screw
- Tool Box
- Cleaning Spray Gun & Air Gun
- Hand Wheel
- Central Automaticlubrication System
- CE Certification