

TRAVEL:
X-axis: 5000 mm (196.9")
Y-axis: 2100 mm (82.7")
Z-axis: 1000 mm (39.4")

Description	UNIT	DMC-5022	
TRAVEL			
X-axis	MM(inch)	5000 (197)	
Y-axis	MM(inch)	2100 (82.6)	
Z-axis	MM(inch)	1000 (35.4)	
Z-axis(O.P.)	MM(inch)	-	
Spindle nose to table surface	MM(inch)	120~1020	(4.7~40.1)
Distance between columns	MM(inch)	2200 (86.6)	
TABLE			
Dimension	MM(inch)	5200*1800	
(204.7 * 70.8)			
Working Area	MM(inch)	5000*2060	
(196.8 * 81)			
Tee Slots (W x No. x CD)	MM	22 x 10 x 200	
Max. Table Load	KG(lbs)	15,000/33,000	
Spindle			
Spindle speed(Built-in type)	rpm	BT50(8000/10000/12000)	
Spindle motor(Built-in type)			
Torque Max.	kw / NM	Faunc αB160LL(30kw)	L:350NM H:95NM
Spindle Taper	HSK 100/BT50 DIN69871		
Spindle speed(Direct drive)	rpm	BT50: 8,000/10,000/12,000	
Dual-speed spindle motor			
Kw-Nm(L/H) (Direct drive)	Controller		
Kw/Nm	Faunc-		

- αT15 18.5kw-12,000rpm L:102Nm H:28.6Nm
- αL15 18.5kw-15,000rpm L:150Nm H:35Nm
- αL26(18.5-22kw)10,000rpm L:286Nm H:88Nm
- αB160LL(30kw)10,000rpm L:350Nm H:95Nm

Mitsubishi-
- SJ-VKRS30-06ZM
  22kw-10,000rpm
  L:286Nm H:88Nm

Siemens-
- 1PM6138-2LF8
  22kw-10,000rpm

L:140Nm H:53Nm

α22+ZF Gear Box α30+ZF Gear Box (Direct drive) (Direct Drive) H:8,000rpm L:1,500rpm/560NM(Max
(After mounting gear box, the torque increase 4 times at low speed)
H:8,000rpm/286NM/L:750rpm/1140NM
SJ-V26+ZF Gear box(Direct drive) (Direct Drive) H:8,000rpm L:1,500rpm/560NM(Max
(After mounting gear box, the torque increase 4 times at low speed)
H:8,000rpm/286NM/L:750rpm/1140NM

Spindle Taper(o.p.)	BT50/DIN69871	
Feedrate		
Cutting feed	mm	1-10,000
Depending on controller		
X/Y axis rapid traverse(o.p.)	mm	18,000
Z axis rapid traverse(o.p.)	mm	12,000
X axis servo motor		
Y/Z axis servo motor	NM	30(Two motors)
22/22(Z axis Hydraulic Balance)		
Linear guide (Roller type)		
X/Y/Z axis	mm	X: 55*2pcs
Y: 45*2pcs + 35*1pcs		
Z: 55*2pcs 45*2pcs		
Ballscrew		
X axis ballscrew dia x pitch	mm	80 * 12
Y axis ballscrew dia x pitch	mm	50 * 12
Z axis ballscrew dia x pitch		45 * 10
A.T.C		
Type of tool(HSK63A/BT40)		
Tool capacity	Armless	Armless type
12(OP) 16/20		
Type of tool(BT40/BT50)		
Tool capacity	Arm	Arm
24/30 (Disc type)		
32/40/60/80/120(Chain type)		
Max. tool diameter	MM(inch)	BT50: 120(5")
Max. tool length	MM(inch)	350(13.7")
Max. tool weight	kgs(lbs)	BT50: 14(31")
Tool to tool time	sec.	Armless Type:7
Air supply	kg/c□	6
Power supply	KVA	40
Coolant pump	HP	1HP * 2pcs
Machine weight	kgs(lbs)	41,000/90,200
Raiser block 200mm(o.p.)	mm	-
Raiser block 500mm(o.p.)	mm	-

Controller


Fanuc Control
Siemens Control
Mitsubishi Control
Heidenhain Control iTNC 530
Fagor Control 8070 CNC
Air & Water Spray Device
lose to Operator
m.Chain Type Tool Magazine
h.Chip Conveyor System
e.Coolant Thru Spindle (2HP)(Pressure 20kg/cm²)
m-1.Two-Way(Horizontal & Vertical) Tool Magazine
g-1.Coolant Thru Tool Tip.
i.TS27R Tool Setting Probe.
g.BLUM Laster Control for tool setting and breakage detection.