

Travel			
X-axis	3000(118")		mm/(inch)
Y-axis	2100(82.6")		mm/(inch)
Z-axis	1000(39.4")		mm/(inch)
Z axis(O.P.)	Option 1100mm(43.3") 1300mm(51.2") 1500mm(59")		mm/(inch)
Spindle nose to table surface	120~1120(4.7~44.1")		mm/(inch)
Distance between columns	2200/86.6		mm/(inch)
Table			
Dimension	3200 x 1800(126 x 70.8")		mm/(inch)
Working area	3000 x 2060(118 x 81")		mm/(inch)
T-Slot (W x No. x CD)	22 x 10 x 200		mm/(inch)
Max. Table load	10000/22000		KG(Ibs)
Spindle			
Spindle speed (Built-in type)	BT50 (8000 / 10000 / 12000rpm)		RPM
Spindle motor (Built-in type) / Torque Max.	FANUC αB160LL(30kw), L:350NM, H:95NM		kw/NM
Spindle Taper	HSK-100 / BT50 DIN69871		
Spindle speed (Direct Drive)	BT50: 8,000/10,000/12,000rpm		RPM
Controller			
	Fanuc/Mitsubishi/Siemens		
	1.Fanuc- ①αT15 / ②αL15/ ③αL26 / ④ αB160LL		
	① αT15	18.5Kw-12000rpm	L:102Nm H:28.6Nm
	② αL15	18.5Kw-15000rpm	L:150Nm H:35Nm
	③ αL26	(18.5-22kw) 10000rpm	L:286Nm H:88Nm
Dual-speed spindle motor Kw-Nm(L/H) (Direct Drive)	④ αB160LL (30kw)	10000rpm	L:350Nm H:95Nm
			Kw/Nm
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	2.Mitsubishi- SJ-VKRS30-06ZM		
	22Kw-10000rpm	L:286Nm	H:88Nm
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	3.Siemens- 1PM6138-2LF8		
	22Kw-10000rpm	L:140Nm	H:53Nm

α22+ZF Gear Box α30+ZF(Direct Drive)	(After Mounting Gear Box) H:8000rpm/140NM L:2000rpm/560NM	(1:4)
SJ-V26+ZF Gear Box(Direct Drive)	(After Mounting Gear Box, the torque increase 4 times at low speed) H:8000rpm/286NM L:700rpm/1140NM	(1:4)
Spindle Taper (o.p.)	BT50/DIN69871	
Feedrate		
Cutting feed	1-10,000(DEPENDING ON CONTROLLER)	mm
X/Y axis rapid traverse(o.p.)	16000	mm
Z axis rapid traverse(o.p.)	12000	mm
X axis servo motor	30 (Two motors)	NM
Y/Z axis servo motor	22/22 (Z axis Hydraulic Balance)	NM
Linear guide (Roller Type)		
X/Y/Z axis	X:65x2sets / Y:45x2sets 35x1set / Z:55x2sets 45x2sets	mm
Ballscrew		
X axis ballscrew dia x pitch	63 x 16	mm
Y axis ballscrew dia x pitch	50 x 12	mm
Z axis ballscrew dia x pitch	45x12	
A.T.C.		
Type of tool(HSK63A/BT40)	Armless type	Armless
Tool capacity	12(OP)16/20	
Type of tool(for BT40/BT50)	Arm	Arm
Tool capacity	24/30(Disc type) 32/40/60/80/120(Chain type)	
Maximum tool diameter	24T(BT40) : 135 (5.3") 24T(BT50) : 160 (6.3")	mm/inch
Maximum tool length	24T(BT40) : 300 (11.8") 24T(BT50) : 400 (15.7")	mm/inch
Maximum tool weight	8 (17.63) / 20 (44)	kgs/lbs
Tool to tool time	1.8 / 2.5	Sec
Air supply	6	kg/cm <sup>2</sup>
Power supply	40	KVA

Coolant pump	1HP x 2pcs	HP
Machine weight (net)	32,000/70,400	kgs/lbs
Raiser block 200mm(O.P.)	—	mm
Raiser block 500mm(O.P.)	—	mm

\*All specifications and designs are subject to change without notice.