

Travel		
X1-axis	800 / 31	mm/(inch)
Y-axis	600 / 24	mm/(inch)
Z1-axis	3200 / 126	mm/(inch)
X2-axis	160 / 6	mm/(inch)
A&Z2-axis	2700 / 106	mm/(inch)
Spindle nose to C-axis center	120~920	mm/(inch)
Ball Screw for X1, X2, Y, Z2, A axes(dia/Pitch)	40 / 12	mm/(inch)
Ball Screw(dia/Pitch Z1)	63 (12)	mm/(inch)
WORKING RANGE		
Swing over cross slide(mm/in)	760 / 30	mm/(inch)
Max dia of work piece (mm/in)	760 / 30	mm/(inch)
Max turning length of work piece (mm/in) (A- axis)	2720 / 107	mm/(inch)
FEEDRATE		
Cutting feed rate(mm/min)	1~10,000 (Depend on the controller)	
Rapid traverse (m/min)X1/Y/Z1/X2/Z2/A(Axis)	30/30/20/30/30/30	mm/(inch)
TURNING SPINDLE MOTOR (FANUC)		
Spindle 1. Built-in spindle motor (spindle bar 52mm)(OP: 65mm)(A2-6)	αB180M-6000 11/15KwB	
Spindle 2. Built-in spindle motor (spindle bar 65mm)(OP: 85mm)(A2-6)	αB180M-6000 11/15Kw	
TURNING SPINDLE MOTOR (ATE)		
Spindle 1. Built-in spindle motor (spindle bar 52mm)(OP: 65mm)(A2-6)	AC 300/240/8 15KW	
主Spindle 2. Built-in spindle motor (spindle bar 65mm)(OP: 85mm)(A2-6)	AC 300/240/8 15KW	
Bar feeding system	OP	
SERVO MOTOR (FANUC/SIEMENS/HEIDENHAIN)		
X1 axis Spindle (Kw/N-m)	FANUC : α30i 5.5 / 30	kw/NM
Y axis Spindle (Kw/N-m)	SIEMENS : 1FK7101 4.87/27	
	HEIDENHAIN : QSY190C 7.2/28	
Z1-axis Spindle (Kw/N-m)	FANUC : α30i 5.5 / 30 W/B	kw/NM
	SIEMENS : 1FK7101 4.87/27 W/B	

	HEIDENHAIN : QSY190C 7.2/28 W/B	
X2-axis Motor (Kw/N-m)	FANUC : α 12 2.5 / 12 W/B	
B-axis for Turret 2 (Kw/N-m)	SIEMENS : 1FK7063 2.29/11 W/B	kw/NM
	HEIDENHAIN : QSY155B 2.9/13 W/B	
Z2-axis Motor (Kw/N-m)	FANUC : α 12 2.5 / 12	
A-axis for Turret 2 (Kw/N-m)	SIEMENS : 1FK7063 2.29/11	kw/NM
	HEIDENHAIN : QSY155B 2.9/13	
DIVIDING CAPACITY		
B-axis spindle dividing (degree)	-120~+120	
Spindle 1 + 2 dividing (degree)	360	
SPINDLE		
Spindle (Main milling spindle) (RPM)	FANUC BiI 112M (Taper size:HSK-A63) / 13000	
OP : ATE AC/180/150/8 (HSK-A63)/15000(19Kw/93Nm)	OP	
OP : FANUC BiI 160LL (HSK-A100)/10000(25~30Kw/238Nm)	OP	
OP : ATE DC/160/200/8 (HSK-A100)/10000(26Kw/124Nm)	OP	
Main Spindle (Kw/Nm)	15~18.5 Kw / 64 Nm	
Encoder	FANUC RCN8380F	
ATC		
Capacity-standard access. (pcs)	standard:24(Arm) / OP:32/40/60(Tools)	
Tool selection	Bi-directional & min.path	
Max Tool Diameter W/adjacent tool (mm/in)	ϕ 78 / Φ 3	
Max Tool Diameter (mm/in)	ϕ 135 / Φ 5	
Maximum tool weight (kg/lbs)	20/44	
Air Power required (kgs/cm ²)	6	
Tool Shank	HSK-A63	
Spindle 1&2. turning built-in spindle (RPM)	6000	
	· LS-160 · 8T 240m/m	
· Hydraulic Turret	· Boring Tool ϕ 25	
	· O.D. Tool \square 16	
	· Facing Tool \square 16	
Machine dimension (cm)	600*400*260	
Machine weight (Kg)	28500	
Package Weight (Kg)	30500	

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