

Standard Machine Specifications and Standard Accessories

Standard Specification of Main Body

tion		SA20e
ng	Max. turning bar diameter	Ø20mm
	Max. turning bar length	210mm(250mm)
	Max. drilling/tapping, main	Ø10/M8
	Max. chucking diameter, sub	Ø20mm
	Max. drilling/tapping, back-end face	Ø8/M6
	Max. drilling/tapping, cross	Ø8/M6
	Max. disc-mill diameter, cross(cutter)	Ø32
Max. spindle speed, main	8,000rpm	
Max. spindle speed, sub	8,000rpm	
Max. spindle speed, cross	8,000rpm	
Tool number of tool	21(23)	
OD/ID/Cross tool	OD : 6/ID:3,5/Cross:4	
Front-end face tool	Std : live2/opt:live3~4	
Back-end face tools(4ea)	Std : fixed 4, Opt :live2~3	
Byte shank	□12×120mm	
Rapid Traverse	All axes 32M/min	
Controllable axes	7 axes	
Spindle positioning, main	1° /1000	
Spindle positioning, sub	1° /1000	
Main spindle	2.2/3.7kw	
Sub spindle	1.5/2.2kw	
Cross drill/mill unit	0.55/1.1kw	
Back-end face tools	1.0kw	
Rotary guide bushing unit	1.1kw	
Axis : Z1, Z2, X1, X2, Y	All axes: 1.0kw	
Coolant pump	0.45kw (Opt : 0.9kw)	
Lubrication pump	0.04kw	
Coolant capacity	200ℓ	
Center height	1,000mm	
Length×width×height	2,140×1,375×1,670mm	
Net weight	3,200kg	

Specification may be changed without prior notice

2.5.2 NC Controller (Standard specifications)

Name	Specifications	Remarks
NC Unit	FANUC-KOREA (FS18i-TB)	
No.of controlled axis	7 axis	
Axis Name	X1, Z1, Y, X2, Z2, C1,C2	
Axis combination	X1-Z1(Simultaneous control) X2-Z2(Simultaneous control) X1-Z2(Simultaneous control) X1-Y(Simultaneous control) Z1-Y(Simultaneous control)1 X1(T1 Tool index & offset) X2(T2 Tool index & offset)	
Least Input increment	0.001mm(op,0.0001mm)	X-axis:Diameter
Least command increment	X-axis : 0.0005mm other axis : 0.001mm (op,X-axis:0.0005mm other axis: 0.0001mm)	X-axis:Diameter
Max.programmable value	± 8 digits	
Interpolation function	Linear/Circular	
Rapid traverse rate	32m/min	
Feed rate	1 to 6000mm/min	
Feed rate override	0 to 150%,10%step	
Level	G40 0.0001to 9999.999	
Coordinate system shift	G50(except Z1 axis) G150(Z1 axis)	
S/INC command	X,Z,Y,C : Absolute U,W,V,H : Incremental	
Tool offset	±6 digits	
No. of tool offset	64 sets	
MT/MDI	10.4" LCD COLOR	
Display language	English/Koreans	
Program storage length	80M (op 160-1280m)	
Programs	63 programs	
Miscellaneous function	M5/M3 digits	
Idle function	S4 digits	
Stop function	T4 digits	