

NN-16SB7

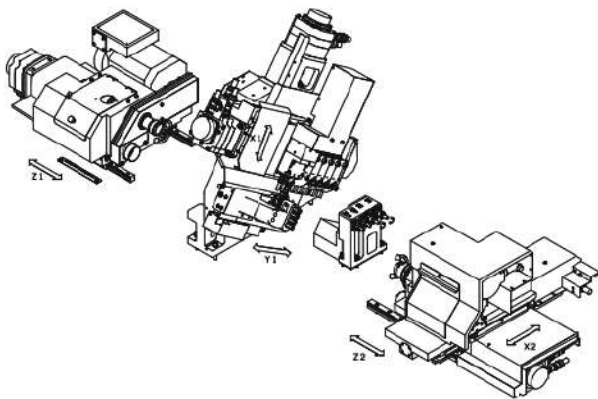
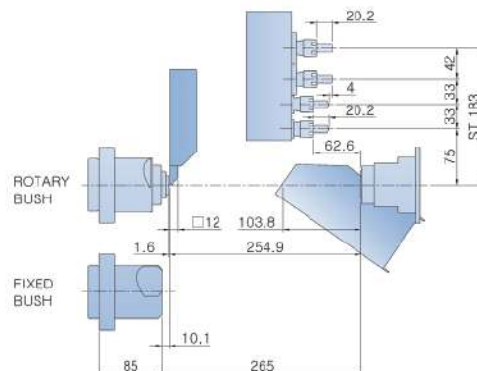
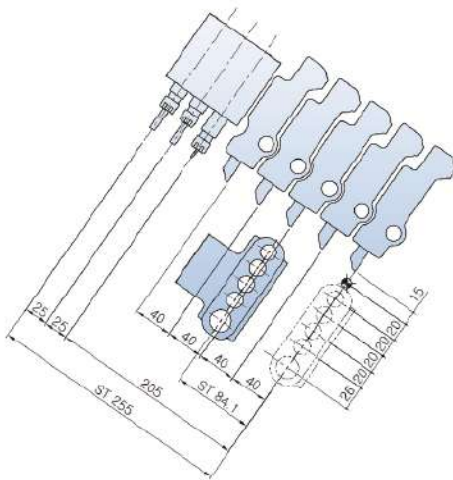
Specialized for complicated shape parts under $\Phi 16$
 - Sub tool post and X2 axis for back machining

Slant type tool post for easy chip removal

Slotting machining on sub-spindle (option)



TOOL Layout



Feed	Unit	Z1	X1	Y1	Z2	X2
Feed distance	mm	110	114	255	250	187
Rapid feed rate	m/min	24	24	24	24	24

Tools		Unit	NN-16SB7	Remark	
Max. number of tools		EA	20		
Main	O.D. tool	EA	5	$\square 12$	
	I.D. tool	Front	EA	4	ER11
		Rear(OP)	EA	4	ER11
Cross drill		EA	3	ER11	
SUB	I.D. tool	EA	2	ER16	
	Eccentric tool	EA	2	ER16	

NN-16SB7 Specifications



Content	Specification	Specification Value	
Machining capacity	Max. machining diameter	Φ16mm	
	Max. machining length	110mm / 1chuck	
	Max. parts unloading length	80mm	
Spindle	Main spindle through-hole diameter	Φ17mm	
	Spindle RPM (Main/Sub)	Max. 10,000rpm /7,000rpm	
	Sub spindle chucking diameter	Φ16mm	
Tool	Type	Max. number of tools	20 (OP:22)
		Max. machining drill	Φ7mm
		Max. machining tap	M6
	Main	O.D. tool	5 (□12.7X130mm max)
		I.D. tool	4 (ER11) / OP:Real 4)
		Cross drill	3 (ER11)
		Cross drill RPM	Max. 8,000rpm
	SUB	I.D. tool	2 (ER16)
		Cross drill RPM	Max. 6,000rpm
	Feed	Rapid feed rate	24m/min
Min. command unit		0.0001mm	
C-axis min. command unit (Main/Sub)		0.0001°	
Motor	Main spindle motor	2.2/1.5kW(Mitsubishi) / 2.2/1.5kW(Fanuc)	
	Cross drill motor	0.4kW(Mitsubishi) / 1.0kW(Fanuc)	
	Sub spindle motor	0.75/0.3kW(Mitsubishi) / 1.1/0.5kW(Fanuc)	
	Sub rotary motor	0.4kW(Mitsubishi) / 0.5kW(Fanuc)	
	X1,Y1,Z1,X2,Z2 axis feed motor	0.5kW(Mitsubishi) / 0.75kW(Fanuc)	
	Coolant pump (Main/Sub)	0.25kW	
Dimensions and etc.	Lubricant pump	0.003kW	
	Main spindle center height	1,000mm	
	Input power capacity	12KVA	
	Air pressure/Flow rate	0.6MPa.30L/min	
	Coolant tank	100L	
	WxDxH	2,188 x 1,000 x 1,635mm	
	Weight (Standard accessories included)	1,950kg	
NC	NC (Mitsubishi/Fanuc)	M70 Type A(Mitsubishi) / Oi TF (Fanuc)	
	NC display	8.4 Color TFT LCD	
	Memory capacity	500KB(Mitsubishi) / 1MB(Fanuc)	
	No. of tool offset	80sets(Mitsubishi) / 128sets(Fanuc)	
	Background edit function		
	C-axis control (Main/Sub spindle)		
	User macro function		
	Nose radius compensation		
	Corner chamfering/corner rounding		
	Fixed cycle		
	Complex fixed cycle		
	Geometric commands		
	Instruction manual		
	Serial In / Output interface		
	CF card / USB interface		

Standard Accessories
I.D. tool device
Cross drill unit
Manual pulse generator(MPG)
Coolant unit
Rotary guide bush
Tool holder
Drill holder
Main : Chuck sleeve/Spring/Spindle cap(1set)
Sub : Chuck sleeve/Spring/Spindle cap(1set)
Automatic power turn-off device
Automatic oiling device
Coolant pump
Coolant flow detector
Overload detection function
Door interlock switch
Working light(LED)
Parts catcher
Levelling pad
Three-color warning light
Manual pulse generator(MPG)37P
Display language (ENG/CHN/KOR/ETC)

Optional Accessories
NC (Fanuc Oi-TF)
Cross drill (ER16 X 4)
E3 UNIT
Long drill holder
Fixed guide bush
Tap breakage detector
Tool presetter
Tool air blow
Parts conveyor
Rear ejection unit (less than Φ13mm)
Spindle tube liner for small parts
Large-sized lubricant pump 1.8l
Chip conveyor & Chip box
Medium pressure coolant
Oil mist collector
Custom colors
Tooling

FLOOR Layout

