

CNC Swiss-Type Automatic Lathe

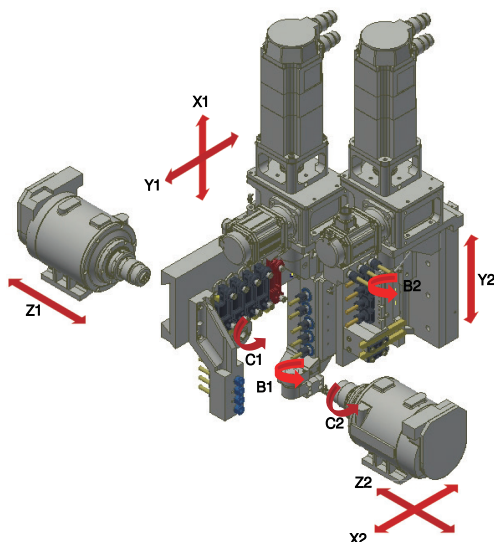
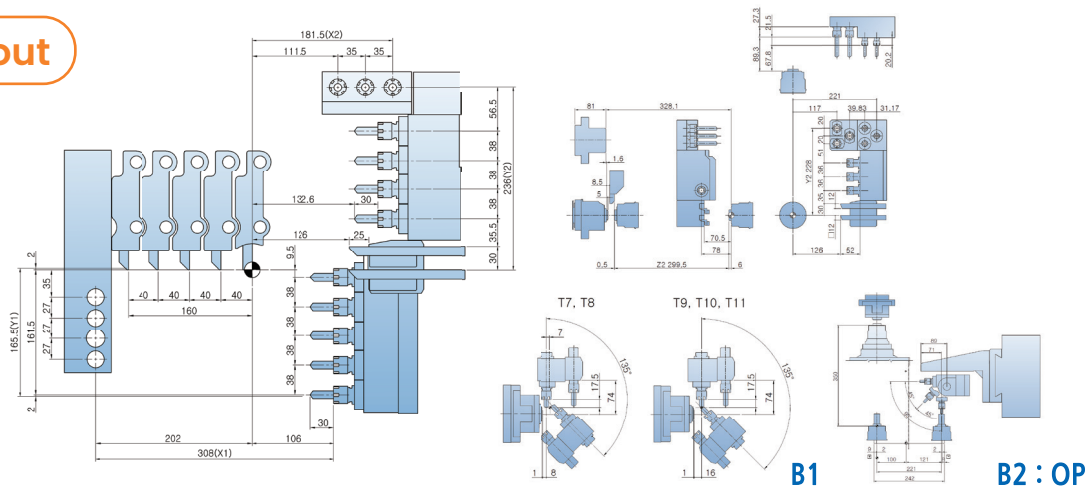
NOMURA DS

NN-20J3XB

- Ready for anything!
- B-axis programmable to 0-135°
- Optional 0-90° programmable B-axis on sub
- Expansive tooling layout
- Horizontal tool post for chip evacuation
- Dovetail structure for rigidity
- Comes standard with Micro Vibrational Technology (MVT)



Tool Layout



Feed	Unit	Z1	X1	Y1	Z2	X2	Y2
Feed Distance	mm (in)	205 (8.07)	308 (12.13)	165.5 (6.52)	350 (13.78)	181.5 TA:225 (7.15 8.86)	236 TA:232 (9.29 9.13)
Rapid Feed Rate	m/min	30	30	30	30	30	30

Tools		Unit	NN-20J3XB			Remarks
			Type A	Type B	Type C	
Max number of tools		EA	29	28	27	
Main	O.D. tool	EA	5	6	5	□ 12.7
	I.D. tool Front	EA	4			ER16
	Cross drill	EA	5 (B1 Axis)	5	5 (B1 Axis)	ER16
Sub	O.D. Tool	EA	2			□ 12.7
	I.D. Tool	EA	3			ER16
	Eccentric Tool	EA	3	-	-	ER11
	Cross Drill	EA	3	4 (B2 Axis)	4 (B2 Axis)	ER16

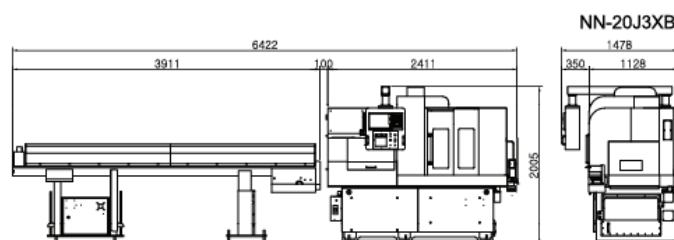
NN-20J3XB Specifications

Content		Specification Value			
		NN-20J3XB			
Machining capacity		Max. machining diameter	Φ20mm		
		Max. machining length	200mm / 1 chuck		
		Max. parts unloading length	93mm		
Spindle		Main spindle through-hole diameter	Φ23mm		
		Spindle RPM (Main/Sub)	10,000rpm		
		Sub spindle chucking diameter	Φ20mm		
Tool	Type	Type	Type A	Type B	Type C
		Max. number of tools	29	28	27
		Max. machining drill	Φ10mm		
		Max. machining tap	M8		
	Main	O.D. tool	5 (□12.7X150mm)	6 (□12.7X150mm)	5 (□12.7X150mm)
		I.D. tool	4 (ER16) (OP : Rear 4)		
		Cross drill	5 (ER16)(B1 axis)	5 (ER16)	5 (ER16)(B1 axis)
		Cross drill RPM	6,000rpm		
	SUB	O.D. tool	2 (□12.7X150mm max)		
		I.D. fixed tool	3 (ER16)		
		I.D. rotary tool	3 (ER11)	-	
		Cross drill	3 (ER16)	4 (ER16)(B2 axis)	4 (ER16)(B2 axis)
		Cross drill RPM	6,000rpm		
Feed		Rapid feed rate	X1,Y1,X2,Y2 : 28m/min Z1,Z2 : 30m/min		
		Min. command unit	0.0001mm		
		C-axis min. command unit (Main/Sub)	0.0001°		
Motor		Main spindle motor	3.7/1.5kW		
		Cross drill motor	1.5/0.55kW (Mitsubishi), 2.2kW (Fanuc)		
		Sub spindle motor	3.7/1.5kW		
		Sub rotary motor	1.5/0.55kW (Mitsubishi), 2.2kW (Fanuc)		
		Coolant pump (Main/Sub)	0.25kW X 2		
		Lubricant pump	0.015kW		
Dimensions and etc.		Main spindle center height	1,010mm		
		Input power capacity	17KVA		
		Air pressure/Flow rate	0.6MPa. 35L/min		
		Coolant tank	160L		
		WxDxH	2,411x1,478x2,005 mm		
		Weight (Standard accessories included)	2,800kg		
NC		NC UNIT	M80 Type A (Mitsubishi) / Oi-TF Plus(Fanuc)		
		NC display	10.4 Color TFT LCD		
		Memory capacity	500KB (Mitsubishi) / 2MB(Fanuc)		
		No. of tool offset	256sets (Mitsubishi) / 128sets(Fanuc)		

Standard Accessories
I.D. tool device
Cross drill unit
Manual pulse generator(MPG)
Coolant unit
Rotary guide bush
Drill holder
Tool 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 (Main/Sub)
Coolant flow detector (Main/Sub)
Overload detection function
Door interlock switch
Working light (LED)
Parts Conveyor
Parts catcher
Leveling pad
Three-color warning light
Cut-off detector
Display Language (ENG/CHN/KOR/ETC)

Optional Accessories
Long drill holder
Fixed guide bush
Tap breakge detector (Main/Sub)
Tool presetter
Tool air blow
Rear ejection unit (less than Φ17mm)
Spindle tube liner for small parts
Chip conveyor & Chip box
Medium pressure coolant
Oil mist collector
Custom colors
Tooling

Floor Layout



V2024_11_20