

CNC Swiss-Type Automatic Lathe

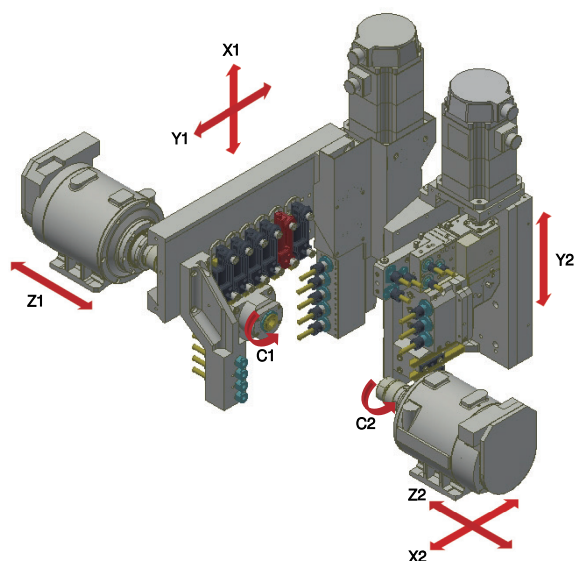
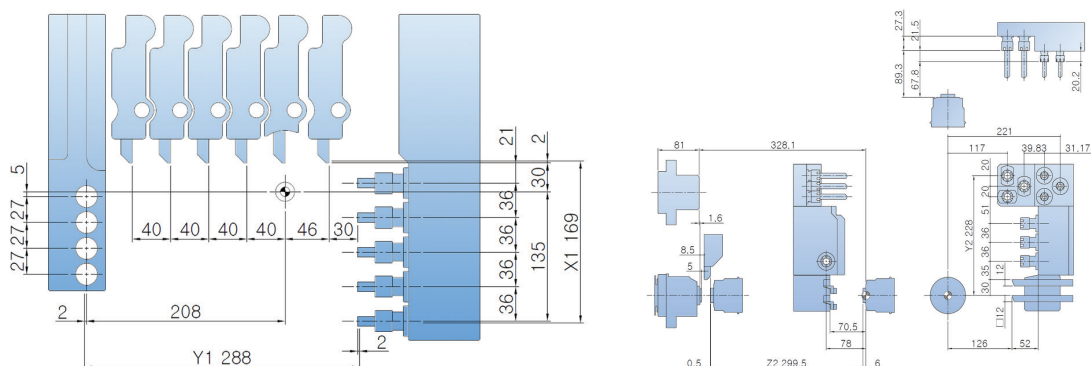
NOMURA DS

NN-20J3

- Perfect for complex parts
- Expansive tooling layout
- Horizontal tool post for chip evacuation
- Dovetail structure for rigidity
- Expanded special tool options
- Comes standard with Micro Vibrational Technology (MVT)



Tool Layout



Feed	Unit	Z1	X1	Y1	Z2	X2	Y2
Feed Distance	mm (in)	205 (8.07)	169 (6.65)	288 (11.34)	302 (11.89)	225 (8.86)	232 (9.14)
Rapid Feed Rate	m/min	30	30	30	30	30	30

Tools			Unit	NN-20J3	Remarks
Max number of tools			EA	30	
Main	O.D. tool		EA	6	□ 12.7
	I.D. tool	Front	EA	4	ER16
		Rear (OP)	EA	4	ER16
	Cross Drill		EA	5	ER16
Sub	O.D. tool		EA	2	□ 12.7
	I.D. tool		EA	3	ER16
	Eccentric tool		EA	3	ER11
	Cross Drill		EA	3	ER16

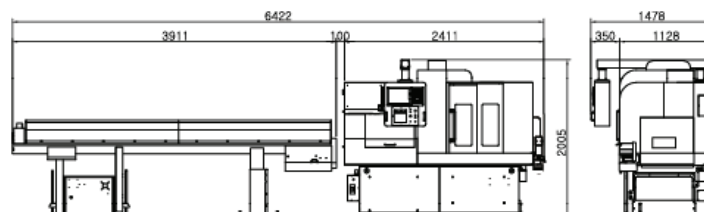
NN-20J3 Specifications

Content		Specification	Specification Value
			NN-20J3
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	Max. number of tools	30
		Max. machining drill	Φ10mm
		Max. machining tap	M8
	Main	O.D. tool	6 (□12.7X150mm max)
		I.D. tool	4 (ER16) (OP : Rear 4)
		Cross drill	5 (ER16)
		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)
		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	1.5KW(Mitsubishi) / 2.2kW(Fanuc)
		Sub spindle motor	3.7/1.5kW
		Sub rotary motor	1.5KW(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	2,430x1,644x1,855 mm
		Weight (Standard accessories included)	2,700kg
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
Levelling pad
Three-color warning light
Display Language (ENG/CHN/KOR/ETC)

Optional Accessories
Long Drill Holder
E3 UNIT
Fixed Guide Bush
Tap Breakage Detector (Main/Sub)
Tool Presetter
Tool Air Blow
Rear Ejection Unit (Less than Φ17mm)
Spindle Tube Liner For Small Parts
Chip Conveyor & Chip box
Oil Mist Collector
Custom Colors
Tooling

Floor Layout



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