

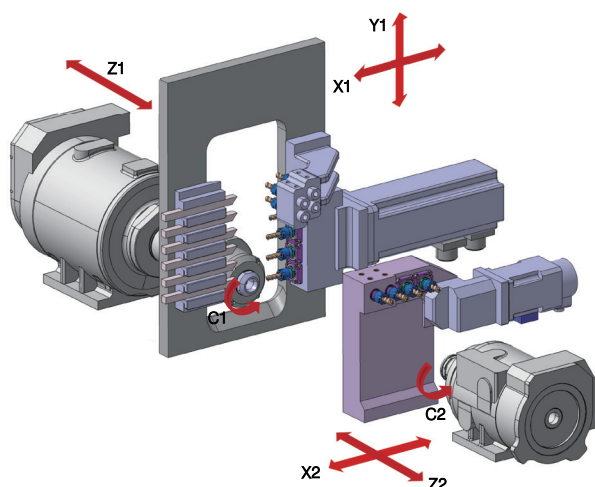
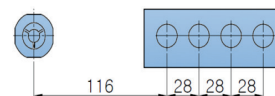
NN-10EX2

- NOMURA DS**



The technical drawing illustrates a mechanical assembly in two views. The left view is a side elevation showing a vertical stack of five identical blue components. Each component has a width of 24 units. The right view is a front elevation showing a horizontal assembly. It features a central blue component with a width of 42 units, flanked by two blue components each with a width of 30 units. Above the central component are four smaller blue components, each with a width of 12 units. The total height of the assembly is 18 units. Dimensions for the individual components are provided as follows:

- Side View: Five components, each 24 units wide.
- Front View: Central component 42 units wide; flanking components 30 units wide each; top components 12 units wide each.



Feed	Unit	Z1	X1	Y1	Z2	X2
Feed Distance	mm (in)	110 (4.33)	60 (2.36)	155 (6.1)	205 (8.07)	200 K:195 (7.87 7.67)
Rapid Feed Rate	m/min	30	30	30	30	30

Tools			Unit	NN-10EX2		Remarks
				Standard	K	
Max number of tools			EA	22		
Main	O.D. tool		EA	6		□ 10
	I.D. tool	Front	EA	4		ER11
		Rear (OP)		4		ER11
	Cross drill			EA	4	
Sub	I.D. tool		EA	4	2	ER11
	Eccentric tool		EA	-	2	ER11

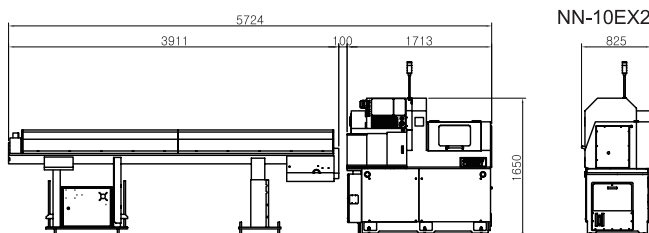
NN-10EX2 Specifications

Content		Specification	Specification Value	
			10EX2	
Machining capacity		Max machining diameter	Φ10mm	
		Max. machining length	110mm / 1 chuck	
		Max. parts unloading length	50mm	
Spindle		Main spindle through-hole diameter	Φ13mm	
		Spindle RPM (Main/Sub)	15,000rpm	
		Sub spindle chucking diameter	Φ10mm	
Tool	Type	Type	Standard	K
		Max. number tools	22	
		Max. machining drill	Φ7mm	
		Max. machining tap	M6	
	Main	O.D. tool	6 (□10X100mm)	
		I.D. tool	4 (ER11) (OP : REAR 4)	
		Cross drill	4 (ER11)	
		Cross drill RPM	10,000rpm	
	Sub	I.D. fixed tool	4 (ER11)	2 (ER11)
		I.D. rotary tool	-	2 (ER11)
Feed		Rapid feed rate	30m/min X1: 20m/min	
		Min. command unit	0.0001 mm	
		C-axis min command unit Main/Sub)	0.0001 °	
Motor		Main spindle motor	3.7/1.5kW (Mitsubishi) 3.7/2.2kW (Fanuc)	
		Cross drill motor	0.4/0.15kW (Mitsubishi) 0.5kW (Fanuc)	
		Sub spindle motor	1.5/0.75kW (Mitsubishi) 1.1/0.75kW (Fanuc)	
		Sub rotary motor	0.4kW (Mitsubishi) 0.5kW (Fanuc)	
		Coolant pump	0.25kW	
		Lubricant pump	0.003kW	
Dimensions and etc.		Main Spindle Center Height	1,000mm	
		Input Power Capacity	13KVA	
		Air Pressure / Flow Rate	0.6MPa.30L/min	
		Coolant Tank	110L	
		WxDxH	1,713 x 825 x 1,650mm	
		Weight (Standard accessories include)	1,650kg	
NC		NC UNIT	M80 Type A (Mitsubishi) Oi-TF Plus (Fanuc)	
		NC Display	8.4 Color TFT LCD (Mitsubishi) 10.4 Color TFT LCD (Fanic)	
		Memory capacity	500KB (Mitsubishi) 2MB (Fanuc)	
		No. of tool set	256 Sets (Mitsubishi) 128 Sets (Fanuc)	

Standard Accessories
I.D. Tool Device
Tool Holder
Rotary Guide Bush
Rotary Guide Bush Drive Unit
Drill Holder
Main: Chuck Sleeve/Spring/Spindle Cap (1 Set)
Sub: Chuck Sleeve/Spring/Spindle Cap (1 Set)
Automatic Power Turn-Off Device
Automatic Oiling Device
Coolant Pump
Coolant Flow Detector
Overhead Detection Function
Door Interlock Switch
Working Light (LED)
Parts Catcher
Tool Set
Levelling Pad
Three-Color Warning Light
Display Language (ENG/CHN/KOR/ETC)
Manual Pulse Generator (MPG)

Optional Accessories
E1 UNIT
Long Drill Holder
Fixed Guide Bush
Tap Breakage Detector
Tool Air Blow
Rear Ejection Unit (Less than Φ7mm)
Spindle Tube Liner For Small Parts
Chip Conveyor & Chip Box
Medium Pressure Coolant
Oil Mist Collector
Custom Colors
Tooling

Floor Layout



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