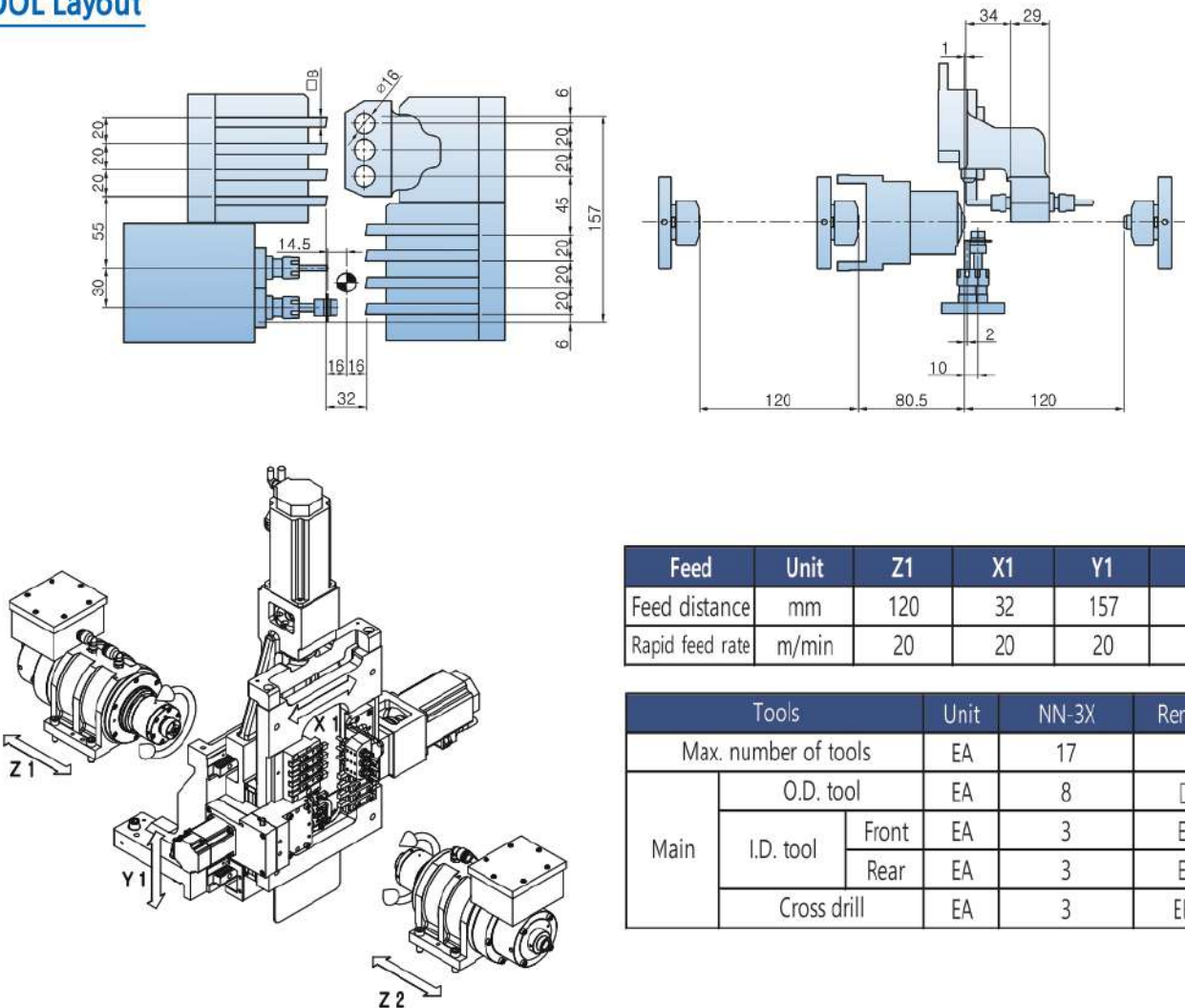


NN-3X

-  **Specialized for miniature and high-precision parts**
- Horizontal tool post
-  **The best tool layout among equivalent models**
- The largest number of tools: 17EA
- Drastically shortened cycle time
-  **Various special tools covered**
-  **Improved machining capacity with high-precision parts and difficult-to-machine material**
- Horizontal tool post



TOOL Layout



Feed	Unit	Z1	X1	Y1	Z2
Feed distance	mm	120	32	157	120
Rapid feed rate	m/min	20	20	20	20

Tools		Unit	NN-3X	Remarks	
Max. number of tools		EA	17		
Main	O.D. tool	EA	8	□8	
	I.D. tool	Front	EA	3	ER8
		Rear	EA	3	ER8
	Cross drill	EA	3	ER11	

NN-3X Specifications



Content	Specification	Specification Value	
Machining capacity	Max. machining diameter	Φ3mm	
	Max. machining length	30mm / 1chuck	
	Max. parts unloading length	30mm	
Spindle	Main spindle through-hole diameter	Φ4mm	
	Spindle RPM (Main/Sub)	Max. 20,000rpm	
	Sub spindle chucking diameter	Φ3mm	
Tool	Type	Max. number of tools	17
		Max. machining drill	Φ2mm
		Max. machining tap	M1
	Main	O.D. tool	8 (□8X100mm max)
		I.D. tool	Front 3 + Rear 3 (ER8)
		Cross drill	3 (ER11)
	SUB	Cross drill RPM	Max. 9,000rpm
		O.D. tool	-
		I.D. tool	-
		I.D. eccentric tool	-
		Cross drill	-
		Cross drill RPM	-
Feed	Rapid feed rate	20m/min	
	Min. command unit	0.001mm	
	C-axis min. command unit (Main/Sub)	0.001°	
Motor	Main spindle motor	1.1/0.75kW	
	Cross drill motor	0.35kW	
	Sub spindle motor	1.1/0.75kW	
	Sub cross drill motor	-	
	X1,Z1,Z2 axis feed motor	0.5kW	
	Y1 axis feed motor	0.75kW	
	Coolant pump (Main/Sub)	0.25kW	
	Lubricant pump	0.003kW	
Dimensions and etc.	Main spindle center height	950mm	
	Input power capacity	12KVA	
	Air pressure/Flow rate	0.6MPa.30L/min	
	Coolant tank	65L	
	WxDxH	1,501 x 962 x 1,643 mm	
NC	Weight (Standard accessories included)	1,000kg	
	NC (Fanuc)	FANUC 0i-TF	
	NC display	8.4 Color TFT LCD	
	Memory capacity	1MB	
	No. of tool offset	128sets	
	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)37P
Coolant unit
Drill holder
Main : Chuck sleeve/Spring/Spindle cap(1set)
Sub : Chuck sleeve/Spring/Spindle cap(1set)
Automatic power turn-off device
Automatic oiling device
Overload detection function
Working light(LED)
Parts catcher
Levelling pad
Three-color warning light
Display language (ENG/CHN/KOR/ETC)

Optional Accessories
Oil mist collector
Custom colors
Tooling
Door interlock switch
Barfeeder

FLOOR Layout

