

English

Auto lathe maker with 70 years of tradition

# **NOMURADS**

Swiss Type CNC Automatic Lathe

## **NN-3X**

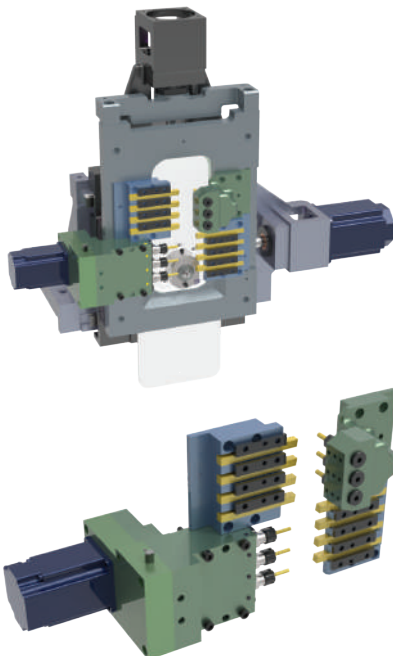
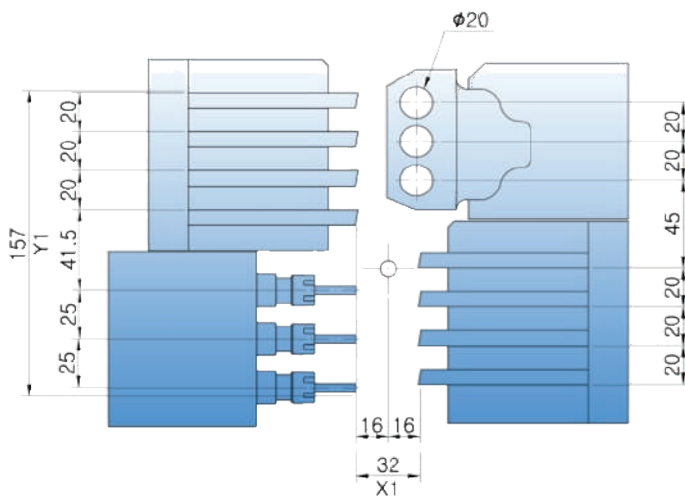


# NN-3X

-  **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
-  **Expanded tool options**



## Tool Layout



### \$1(Main)

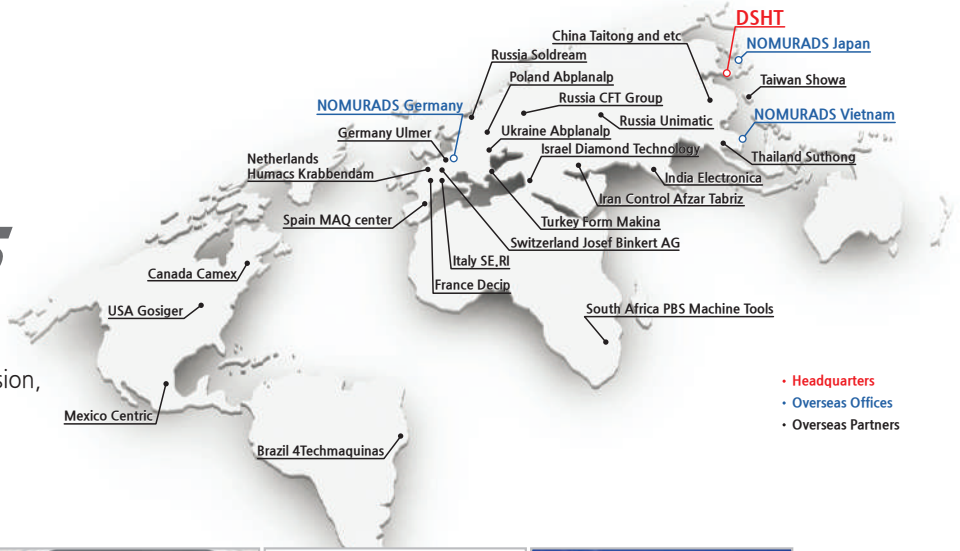
Tool name	Size	Equipment
O.D. Tool	□8 x 8	Standard
I.D. Tool	ER8 x 3	Standard
Cross Drill	ER11 x 3	Standard

### \$2(Sub)

Tool name	Size	Equipment
I.D. Tool	ER8 x 3	Standard



has been manufacturing swisstype auto lathe for the last 70 years.  
When you choose NOMURA, you will have high precision, durability and innovation for your production.



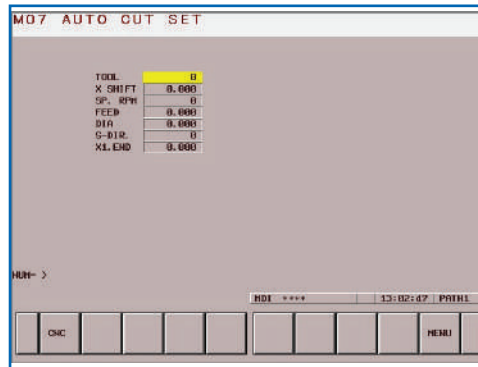
## NOMURADS

### FANUC Oi TF

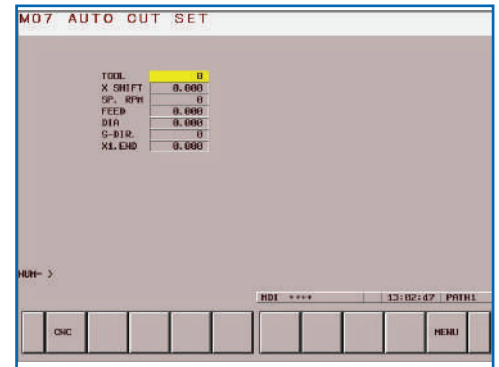


- 8.4" Color LCD
- Slant type for user's convenience
- User-friendly shortcut key

### M07 AUTO CUT

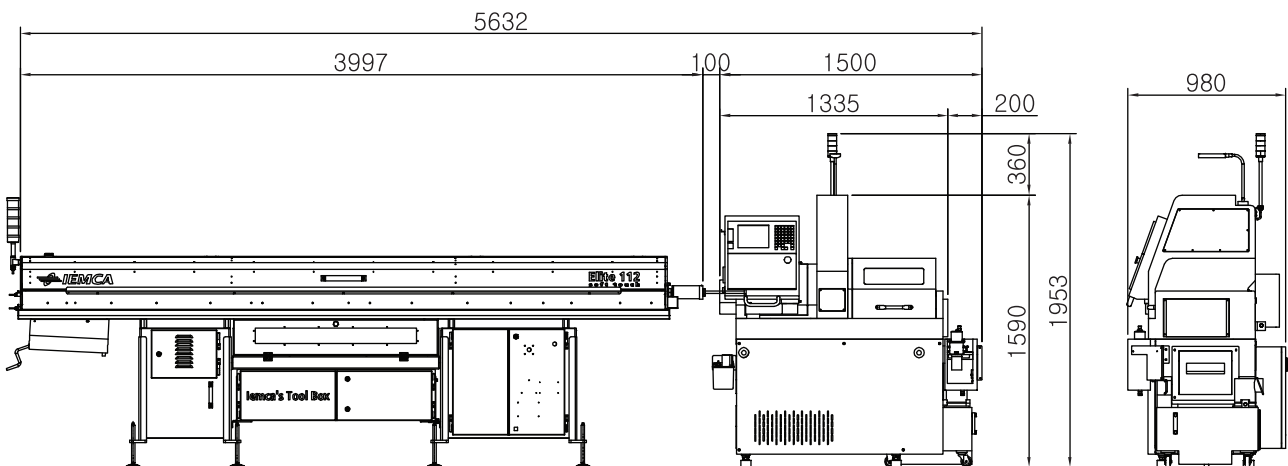


Screen for inputting information of automatic cutting function.  
After inputting data according to above condition, command M07 in program.



This screen shows the setup of keep relay in PMC.  
When turning the function on after moving cursor to each necessary function, the function is operated.

## FLOOR Layout



# NN-3X Specifications

Content	Specification	Specification Value	Standard Accessories
Machining capacity	Max. machining diameter	Φ3mm	I.D. tool unit
	Max. machining length	30mm / 1chuck	Cross drill unit
	Max. parts unloading length	30mm	Manual pulse generator(MPG)37P
Spindle	Main spindle through-hole diameter	Φ4mm	Coolant unit
	Spindle rpm (Main/Sub)	Max. 20,000rpm	Drill holder
	Sub spindle chucking diameter	Φ3mm	Main : Chuck sleeve /Spring/Spindle cap (1set)
Tool	Max. number of tools	17	Sub : Chuck sleeve /Spring/Spindle cap (1set)
	Max. machining drill	Φ2mm	Automatic power turn-off device
	Max. machining tap	M2	Automatic oiling device (level detector attached)
Main	O.D. tool	8 (□8X100mm max)	Overload detection function
	I.D. tool	3 (ER8)	Working light (LED)
	Cross drill	3 (ER11)	Parts catcher
	Cross drill rpm	Max. 9,000rpm	Levelling pad
SUB	O.D. tool	-	Signal warning light - 3 stage
	I.D. tool	3 (ER8)	Display language (CHN/ENG/FRA/GER/ITA/JPN/KOR/POL/RUS/SPA)
	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	<b>Optional Accessories</b>
	Cross drill motor	0.35kW	Automatic fire extinguisher
	Sub spindle motor	1.1/0.75kW	Oil mist collector
	\$2 cross drill motor	-	Custom colors
	X1, Z1, Z2 axis feed motor	0.5kW	Tooling
	Y1 axis feed motor	0.75kW	Door interlock switch
	Coolant pump (Main, Sub)	0.25kW	Parts conveyor
Dimensions and etc.	Lubricant pump	0.003kW	
	Main spindle center height	950mm	
	Input power capacity	9KVA	
	Air pressure, flow rate	0.6MPa, 30L/min	
	Coolant tank	65L	
	WxDxH	1,500x980x1,590 mm	
NC	Weight (Options included)	1,000kg	
	NC ( FANUC)	FANUC 0i-TF	
	NC display	8.4 Color TFT LCD	
	Memory capacity	1MB	
	Number of tool offset	128sets	
	Background edit function		
	C axis function (Main, Sub spindle)		
	User macro function		
	Nose R compensation		
	Corner chamfering /Corner rounding		
	Fixed cycle		
	Complex fixed cycle		
	Geometric commands		
	Controller manual		
Serial in / Output interface			
CF card / USB interface			

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