

English

Auto lathe maker with 70 years of tradition




NOMURADS

Swiss Type CNC Automatic Lathe

NN-16SB7

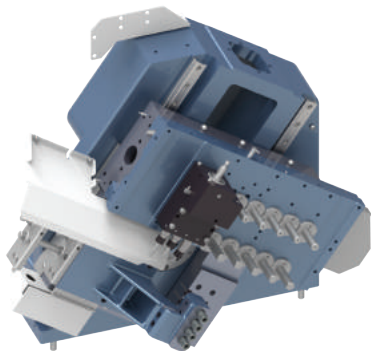
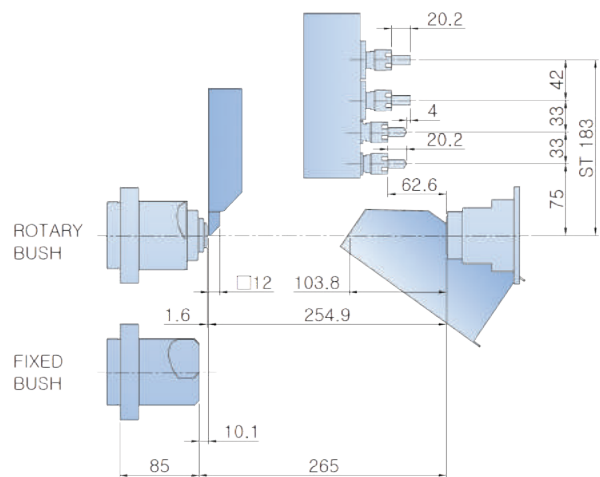
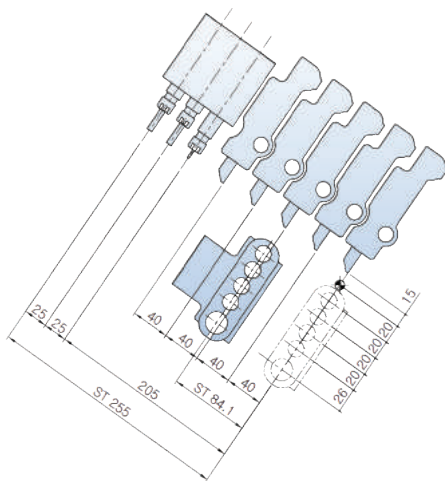


NN-16SB7

-  **Specialized for complicated shape parts under $\Phi 16$**
- Sub tool post and X2 axis for back machining
-  **Slant type tool post for easy chip removal**
-  **Slotting machining on sub-spindle (option)**



Tool Layout



\$1(Main)

Tool name	Size	Equipment
O.D. Tool	$\square 12.7 \times 5$	Standard
I.D. Tool	ER11 x 4	Standard
Cross Drill	ER11 x 3	

\$2(Sub)

Tool name	Size	Equipment
I.D. Tool	ER16 x 2	Standard
I.D. Rotary Tool	ER16 x 2	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.



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- Overseas Offices
- Overseas Partners



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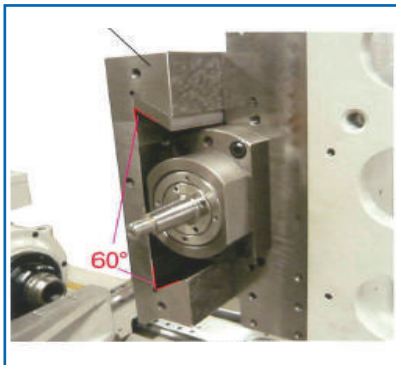
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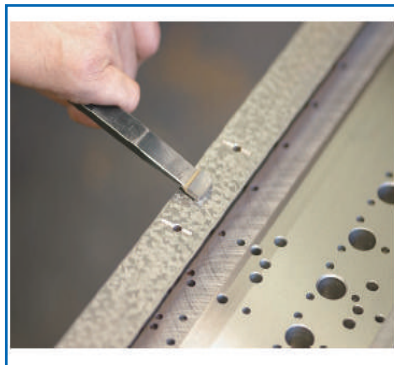
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Dovetail structure



The rigidity of NOMURA DS machine is enhanced as its structure contacts the surface of both sides.

Hand scraping



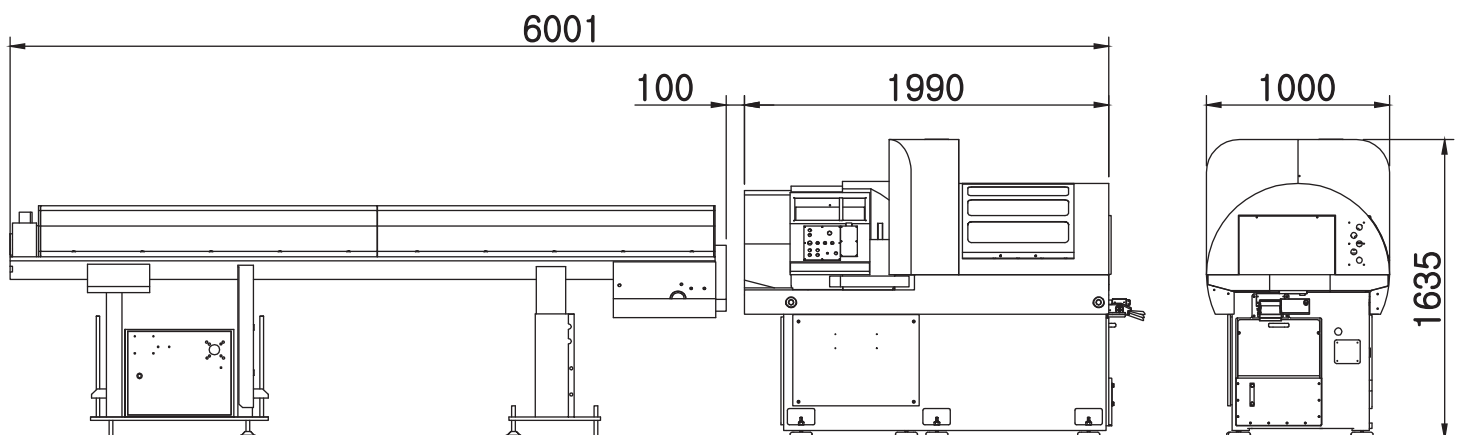
The weighty tool post is glided smoothly by our master artisans and high precision is enhanced as the result.

Integrated casting bed



Machine vibrations are absorbed and machining tolerance affected by the temperature change of cutting oil can be minimized as temperature turning is enacted with coolant tank located in the casting bed.

FLOOR Layout



NN-16SB7 Specifications

Content	Specification	Specification Value	Standard Accessories
Machining capacity	Max. machining diameter	Φ16mm	I.D. tool unit
	Max. machining length	110mm / 1chuck	Cross drill unit
	Max. parts unloading length	80mm	Manual Pulse Generator (MPG)
Spindle	Main spindle through-hole diameter	Φ17mm	Cutting oil device
	Spindle rpm (Main/Sub)	Max. 10,000rpm / 7,000rpm	Rotary guide bush
	Sub spindle chucking diameter	Φ16mm	Tool holder
Tool	Max. number of tools	20 (OP:22)	Drill holder
	Max. machining drill	Φ7mm	Main : Chuck sleeve /Spring/Spindle cap(1set)
	Max. machining tap	M6	Sub : Chuck sleeve /Spring/Spindle cap(1set)
Main	O.D. tool	5 (□12.7X130mm max)	Automatic power turn-off device
	I.D. tool	4 (ER11) / OP:5	Automatic oiling device (level detector attached)
	Cross drill	3 (ER11)	Coolant device
	Cross drill rpm	Max. 8,000rpm	Coolant failure detector
SUB	I.D. tool	2 (ER16)	Overload detection function
	I.D. rotary tool	2 (ER16)	Door interlock switch
	Cross drill rpm	Max. 6,000rpm	Working light (LED)
Feed	Rapid feed rate	24m/min	Parts catcher
	Min. command unit	0.0001mm(Mitsubishi) / 0.001mm(Fanuc)	Levelling pad
	C axis Min. command unit (Main, Sub)	0.0001°(Mitsubishi) / 0.001° (Fanuc)	Signal warning light - 3 stage
Motor	Main spindle motor	2.2/1.5kW(Mitsubishi) / 2.2/1.5kW(Fanuc)	Manual pulse generator(MPG)37P
	Cross drill motor	0.4kW(Mitsubishi) / 1.0kW(Fanuc)	Display language (CHN/ENG/FRA/GER/ITA/JPN/KOR/POL/RUS/SPA)
	Sub spindle motor	0.75/0.3kW(Mitsubishi) / 1.1/0.5kW(Fanuc)	Optional Accessories
	\$2 rotary motor	0.4kW(Mitsubishi) / 0.5kW(Fanuc)	Fanuc Oi-TF
	X1,X2,Y1,Z1,Z2 axis feed motor	0.5kW(Mitsubishi) / 0.75kW(Fanuc)	4-spindle cross drilling unit (ER16X4)
	Coolant pump (Main, Sub)	0.25kW	3-spindle drilling unit (E3 UNIT)
	Lubricant pump	0.003kW	Long drill holder
Dimensions and etc.	Main spindle center height	1,000mm	Fixed guide bush
	Input power capacity	10KVA	Tap breakage detector
	Air pressure, flow rate	0.6MPa.30L/min	Tool presetter
	Coolant tank	100L	Tool air blow
	WxDxH	1,990 x 1,000 x 1,635mm	Parts conveyor
	Weight (Options included)	1,950kg	Rear ejection unit (Φ11mm or less)
NC	NC (MITSUBISHI/FANUC)	M70 Type A(Mitsubishi) / Oi TF (Fanuc)	Spindle tube liner for small part
	NC display	8.4 Color TFT LCD	Large-sized lubricant pump 1.8ℓ
	Memory capacity	500KB(Mitsubishi) / 1MB(Fanuc)	Chip conveyor & Chip box
	Number of tool offset	80sets(Mitsubishi) / 128sets(Fanuc)	Medium / High pressure coolant
	Background edit function		Automatic fire extinguisher
	C axis function (Main, Sub spindle)		Oil mist collector
	User macro function		Custom colors
	Nose R compensation		Tooling
	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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