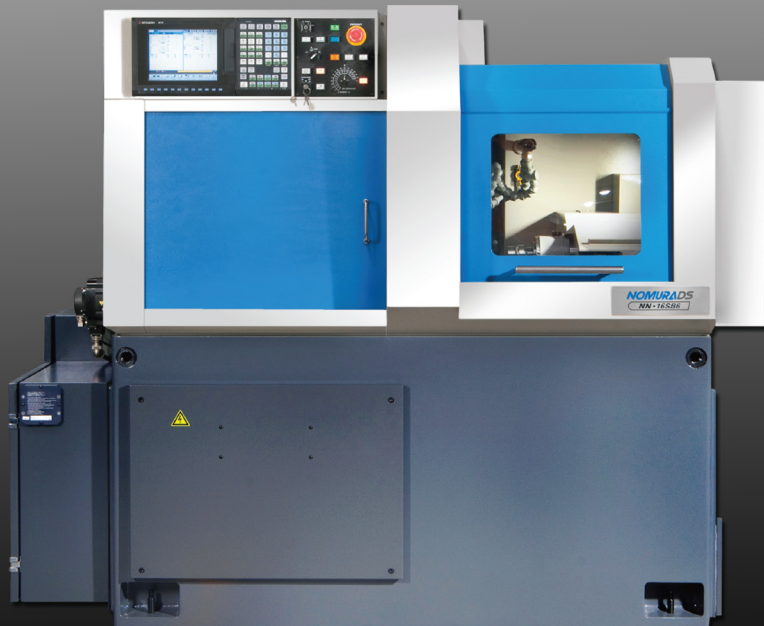


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Known world-wide for extreme rigidity and process stability



Swiss Type CNC Automatic Lathe **NN-16SB6**



-

OL LAYOUT

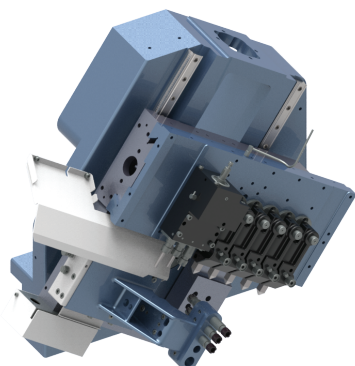
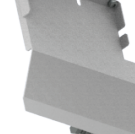
Technical drawing of a 12mm rotary bush assembly. The drawing shows a side view of the assembly with dimensions and component labels.

Dimensions:

- 7.5 (Top section)
- 1.6 (Middle section)
- 105 (Bottom section, left)
- 10.1 (Bottom section, middle)
- 155 (Bottom section, right)
- 62 (Middle section, left)
- 45 (Middle section, right)
- 170 (Bottom section, far right)

Labels:

- CROSS
- BITE
- 12 (Square symbol)
- ROTARY BUSH
- FIXED BUSH

[illegible]A 3D CAD model of a mechanical assembly. It features a grey base plate with a vertical support structure. A blue component, possibly a motor or actuator, is mounted on the side of the base. The assembly is shown from a perspective view.

Tool name	TYPE1	TYPE3	Equipment
O.D. Tool	□12.7 x 7EA	□12.7 x 5EA	
I.D. Tool	ER11 x 4	ER11 x 4	
Cross Drill	ER11 x -	ER11 x 3	

Tool name	TYPE1	TYPE3	Equipment
I.D. Tool	4EA	4EA	

*Sub-side machining by using I.D. tool on Main axis

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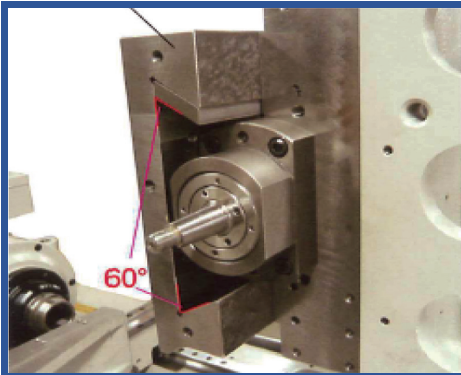
DAESUNG HI-TECH CO., LTD. KOREA



DOVETAIL STRUCTURE

HAND SCRAPPING

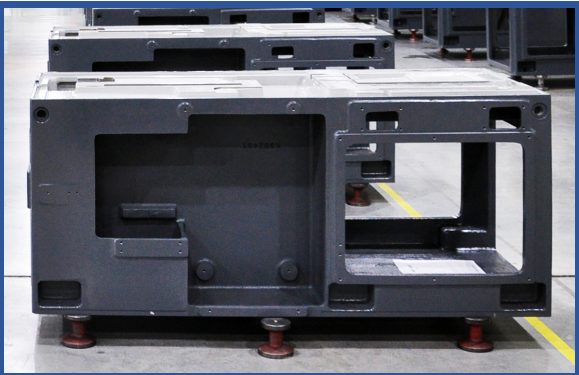
INTEGRATED CASTING BED



Nomura's world-recognized rigidity is enhanced through the precise contact built into our dovetail structures.

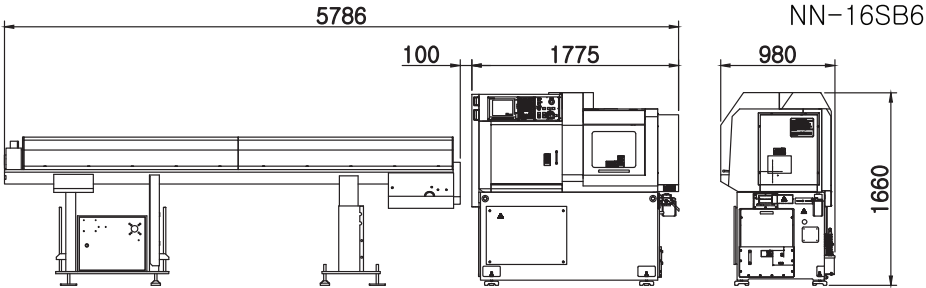


Master artisans painstakingly hand scrap Nomura machine ways for maximum precision and machine longevity



Nomura machines are built on a solid cast foundation carefully engineered to absorb machining stresses and tolerance specifications affected by such variables as temperature change. The coolant tank designed into the casting bed is an excellent example of temperature control.

FLOOR Layout



NN-16SB6 Specifications

Content	Specification	Specification Value		Standard Accessories	
		Type1	Type3		
Machining capacity	Max. machining diameter	Φ16mm		I.D. tool unit	
	Max. machining length	110mm / 1chuck		Tool holder	
	Max. parts unloading length	160mm	80mm	Rotary guide bush	
Spindle	Main spindle through-hole diameter	Φ17mm		Rotary guide bush drive unit	
	Spindle rpm (Main/Sub)	Max. 10,000rpm / Max. 7,000rpm		Drill holder	
	Sub spindle chucking diameter	Φ16mm		Main : Chuck sleeve /Spring/Spindle cap(1set)	
Tool	Max. number of tools	15	16	Sub : Chuck sleeve /Spring/Spindle cap(1set)	
	Max. machining drill	Φ7mm		Automatic power turn-off device	
	Max. machining tap	M6		Automatic oiling device (level detector attached)	
Main	O.D. tool (□12.7x130mm or less)	7	5	Cutting oil device	
	I.D. tool (ER11)	4	4	Coolant failure detector	
	Cross drill (ER11)	—	3(OP:4)	Overload detection function	
	Cross drill rpm	Max. 8,000rpm		Door interlock switch	
SUB	I.D. tool	4	4	Working light (LED)	
	Max. frontal hole machining diameter	Φ6mm		Parts catcher	
	Max. frontal tap diameter	M5mm		Working tools	
Feed	Rapid feed rate	36m/min		Levelling pad	
	Min. command unit	0.0001mm		Signal warning light - 3 stage	
	C axis Min. command unit (Main, Sub)	0.0001°		Display language (CHN/ENG/FRA/GER/ITA/JPN/KOR/POL/RUS/SPA)	
Motor	Main spindle motor	2.2/1.5kW		Optional Accessories	
	Cross drill motor		0.4kW	Main	4-spindle drilling unit (Eccentric, ER16)
	Sub spindle motor	—	0.75/0.3kW		4-spindle drilling unit (Eccentric, ER11)
	Y1,Y1,Z1,Z2 axis feed motor	0.5kW			Long drill holder
Dimensions and etc.	Coolant pump	0.25kW		Fixed guide bush	
	Lubricant pump	0.003kW		Tap breakage detector	
	Hydraulic oil pump	—	0.75kW	Tool presetter	
	Main spindle center height	1,000mm		Tool air blow	
	Input power capacity	4.43KVA	7.1KVA	Rear ejection unit (Φ13mm or less)	
	Air pressure, flow rate	0.6MPa.15L/min		Spindle tube liner for small part	
	Coolant tank	70L		Large-sized lubricant pump 1.8ℓ	
	WxDxH	1,775x980x1,660 mm		Chip conveyor & Chip box	
	Weight (Options included)	1,700kg		Medium / High pressure coolant	
NC	MITSUBISHI NC	M70V Type A		Automatic fire extinguisher	
	NC display	8.4 Color TFT LCD		Oil mist collector	
	Memory capacity	500KB		Custom colors	
	Number of tool offset	80sets		Tooling	



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