

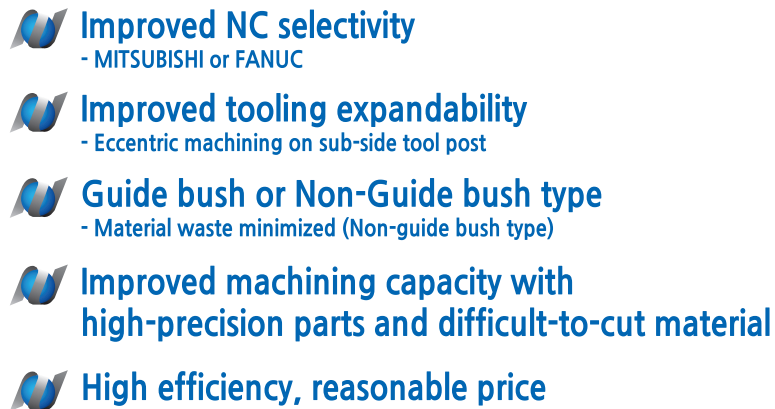
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Known world-wide for extreme rigidity and process stability

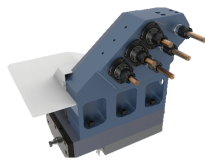


Swiss Type CNC Automatic Lathe **NN-20/25UB8**





Technical drawing of the ST 262.5 pump assembly. The drawing includes a side view of the pump body with dimensions: 122, 30, 38, 33, 42, 22, 131, 160, 115, 6(P20), and ST 262.5. A detail view of the pump head shows dimensions: 8, 15, 5.1, 0.5, and 12. A detail view of the pump shaft shows dimensions: 12, 131, 160, 115, 6(P20), and ST 262.5. The drawing also shows a detail view of the pump housing with dimensions: 122, 30, 38, 33, 42, 22, 131, 160, 115, 6(P20), and ST 262.5.



K2 type
Rotary motor added

Tool name	Standard Size	K Type
I.D. Tool	ER16 x 4	ER16 x 2
I.D. Rotary Tool		ER16 x 2

NOMURA Corporate Office

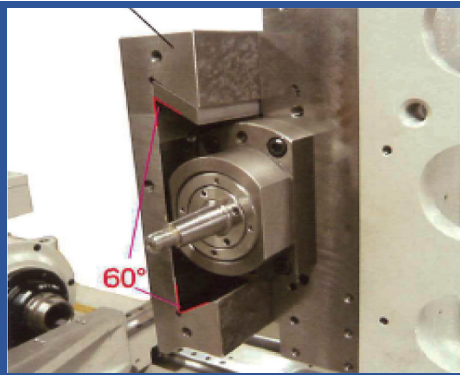
DAESUNG HI-TECH CO., LTD. KOREA



DOVETAIL STRUCTURE

HAND SCRAPPING

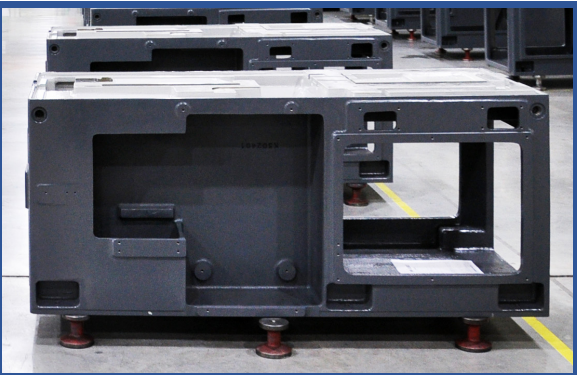
INTEGRATED CASTING BED



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

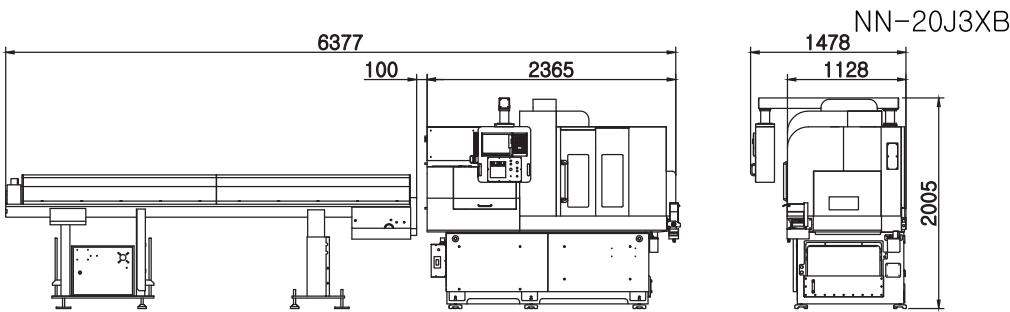


Master artisans painstakingly hand scrap Nomura machine ways for maximum precision and machine longevity



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



CNC AUTOMATIC LATHE

NN-20J3XB Specifications

Content	Specification	Specification Value	Standard Accessories
Machining capacity	Max. machining diameter	Φ20mm	I.D. tool unit
	Max. machining length	200mm / 1chuck	Cross drill unit
	Max. parts unloading length	93mm	Manual pulse generator(MPG)37P
Spindle	Main spindle through-hole diameter	Φ23mm	Coolant unit
	Spindle rpm (Main/Sub)	Max. 10,000rpm	Rotary guide bush
	Sub spindle chucking diameter	Φ20mm	Tool holder
Tool	Max. number of tools	30 (OP:28)	Drill holder
	Max. machining drill	Φ10mm	Main : Chuck sleeve /Spring/Spindle cap(1set)
	Max. machining tap	M10	Sub : Chuck sleeve /Spring/Spindle cap(1set)
Main	O.D. tool	5 (□12.7X150mm max)	Automatic power turn-off device
	I.D. tool	4 (ER16)	Automatic oiling device (level detector attached)
	Cross drill	5 (ER16)	Cutting oil device (Main/Sub)
	Cross drill rpm	Max. 6,000rpm	Coolant failure detector (Main/Sub)
SUB	O.D. tool	2 (□12.7X150mm max)	Overload detection function
	I.D. tool	3 (ER16)	Door interlock switch
	I.D. eccentric	3 (ER11)	Working light (LED)
	Cross drill	3 (ER16)	4(ER16) : OP
	Cross drill rpm	Max. 6,000rpm	Parts conveyor
Feed	Rapid feed rate	X1,Y1,X2,Y2:28m/min Z1,Z2:30m/min	Parts catcher
	Min. command unit	0.0001mm	Levelling pad
	C axis Min. command unit (Main, Sub)	0.0001°	Signal warning light - 3 stage
Motor	Main spindle motor	3.7/1.5kW	Cut-off breakage detector
	Cross drill motor	1.5kW	Display language (CHN/ENG/FRA/GER/ITA/JPN/KOR/POL/RUS/SPA)
	Sub spindle motor	3.7/1.5kW	Optional Accessories
	\$2 cross drill motor	1.5kW	Long drill holder
	Y1,Z1,X2,Z2 feed axis motor	0.5kW	Fixed guide bush
	X1,Y2 axis feed motor	1.0kW	Tap breakage detector (Main, Sub)
	Coolant pump (Main, Sub)	0.25kW X 2	Tool presetter
	Lubricant pump	0.003kW	Tool air blow
Dimensions and etc.	Main spindle center height	1,010mm	Rear ejection unit (Φ17mm or less)
	Input power capacity	14KVA	Spindle tube liner for small part
	Air pressure, flow rate	0.6MPa,40L/min	Large-sized lubricant pump 1.8ℓ
	Coolant tank	160L	Chip conveyor & Chip box
	WxDxH	2,365x1,478x2,005 mm	Medium / High pressure coolant
	Weight (Options included)	2,800kg	Automatic fire extinguisher
NC	MITSUBISHI NC	M70V TYPE A (*B2 axis applied: M720)	Oil mist collector
	NC display	10.4 Color TFT LCD	Custom colors
	Memory capacity	500KB(B2 axis applied : 2,000KB)	Tooling
	Number of tool offset	80sets(B2 axis applied : 80sets)	
	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		