

NOMURADS

Auto lathe maker with 70 years of tradition






Swiss Type CNC Automatic Lathe

NN-32DB



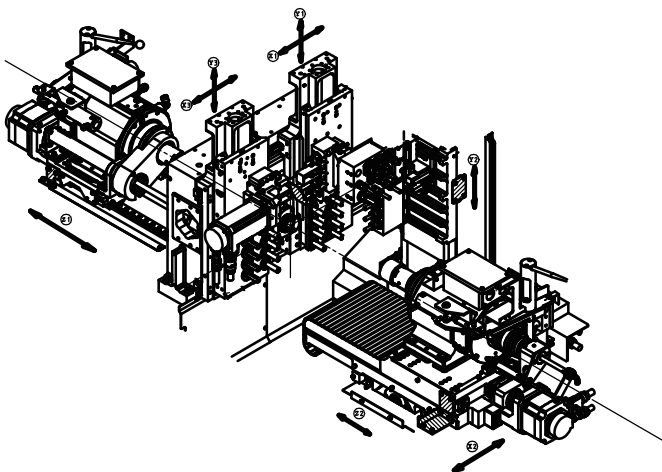
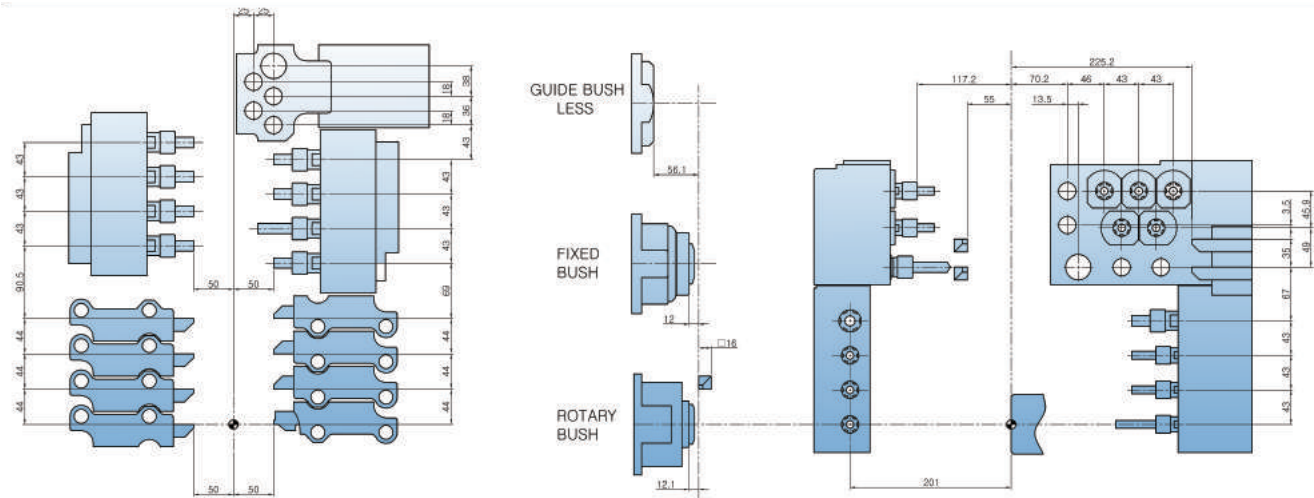
NOMURADS has been manufacturing swiss type CNC auto lathe for the last 70 years. When you choose NOMURADS, you will have high precision, durability and innovation for your production.

NN-32DB

-  **Flagship machine specialized for difficult parts to cut**
 - Opposite type tool layout
 - Balance O.D cutting
-  **Best tool layout among equivalent models**
 - Increased tooling
 - Minimized C/T
-  **Minimized thermal deformation and vibration**
 - Integrated casting bed
 - Dovetail structure



TOOL Layout



Feed	Unit	Z1	X1	Y1	Z2	X2	Y2	X3	Y3
Feed distance	mm	300	54	451	369	227	293	54	451
Rapid feed rate	m/min	28	20	28	28	28	28	20	28

Tools	Unit	NN-32DB		Remarks
		Standard		
Max. number of tools	EA	36		
Main	O.D. tool	EA	8	□16x4x2
	I.D. tool	EA	5	(ER20x1)+ER16x(4)
	Cross drill	EA	8	(ER20x4x2)
SUB	O.D. tool	EA	2	□16x2(3)
	I.D. tool	EA	4	(ER20x1)+(ER16x3(4))
	Eccentric+Cross	EA	9	(ER16x5)+ (ER20x1+ER16x3)



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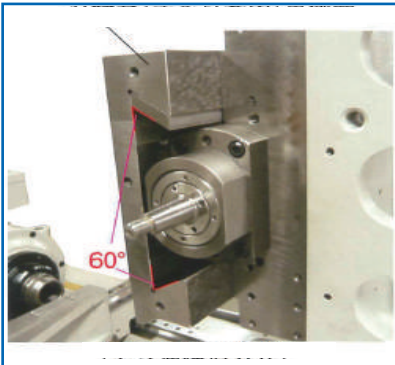
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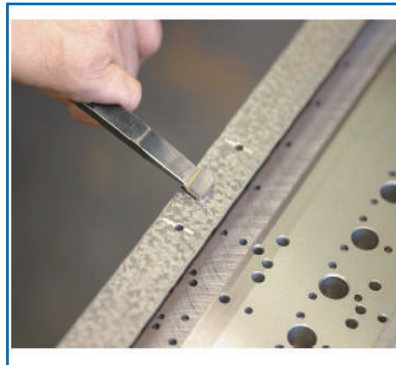
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Dovetail structure



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

Hand scraping



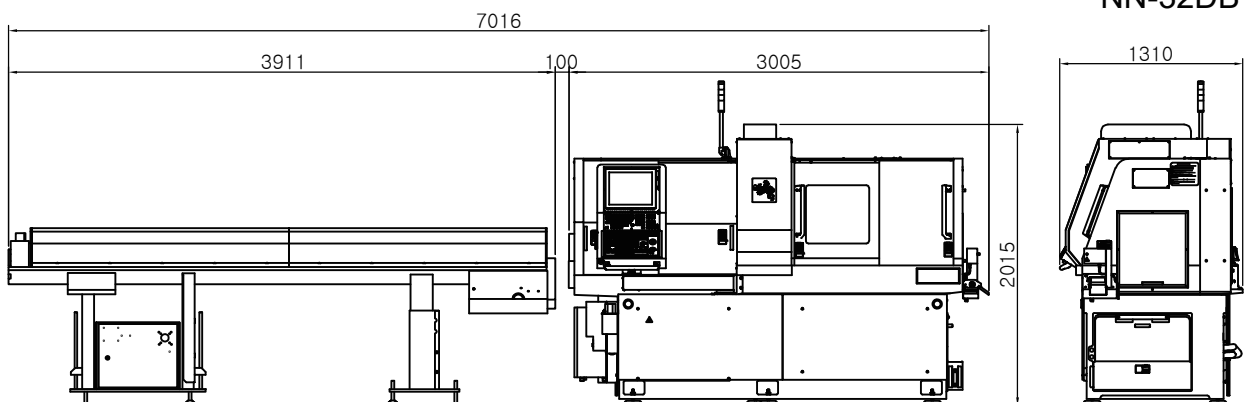
The weighty tool post is glided smoothly by our master artisans and high precision is enhanced as the result.

Integrated casting bed



Machine vibrations is 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-32DB Specifications

Content		Specification	Specification Value
			NN-32DB
Machining capacity		Max. machining diameter	Φ32mm
		Max. machining length	FB330mm/ RB300mm
		Max. parts unloading length	100mm
Spindle		Main spindle through-hole diameter	Φ34mm
		Spindle RPM (Main/Sub)	Max.8,000rpm
		Sub spindle chucking diameter	Φ32mm
Tool	Type	Type	Standard
		Max. number of tools	36
		Max. machining drill	Φ10mm
		Max. machining tap	M8
	Main	O.D. tool	8 (□16x4x2)
		I.D. tool	5 (ER20x1)+(ER16X4)
		Cross drill	8(ER20x4x2)
		Cross drill RPM	6,000rpm
	SUB	O.D. tool	2 (□16x2(3))
		I.D. tool	4(ER20x1)+(ER16x3(4))
		I.D. rotary tool	9 (E.5x5)+(C.5x4) (ER16x5)+(ER20x1+ER16x3)
		Cross drill RPM	6,000rpm
Feed		Rapid feed rate	(Z1,Y1,Y3,Z2,X2,Y2)28m/min (X1,X3)20m/min
		Min. command unit	0.0001mm
		C-axis min. command unit (Main/Sub)	0.0001°
Motor		Main spindle motor	7.5/3.7kW
		Cross drill motor	1.5kW
		Sub spindle motor	7.5/3.7kW
		Sub rotary motor	1.5kW
		X1,Y1,Z1,X3,Y3 axis feed motor	1.0kW
		X2,Y2,Z2 axis feed motor	1.0kW
		Coolant pump (Main/Sub)	0.25kW
		Lubricant pump	0.003kW
Dimensions and etc.		Main spindle center height	1,060mm
		Input power capacity	17KVA
		Air pressure/Flow rate	0.6MPa.20L/min
		Coolant tank	205L
		WxDxH	3,005X1,310X2,015mm
		Weight (Standard accessories included)	3,850kg
NC		NC (Mitsubishi)	M830S
		NC display	15" Color LCD
		Memory capacity	500KB(Mitsubishi)
		No. of tool offset	333sets(Mitsubishi)
		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
Rotary guide bush
Drill holder
Tool holder
Main : Chuck sleeve/Spring/Spindle cap(1set)
Sub : Chuck sleeve/Spring/Spindle cap(1set)
Automatic power turn-off device
Automatic oiling device
Coolant pump
Coolant flow detector
Overload detection function
Door interlock switch
Working light(LED)
Parts conveyor
Levelling pad
Three-color warning light
Display language (ENG/CHN/KOR/ETC)

Optional Accessories
Long drill holder
Fixed guide bush
Tool presetter
Tool air blow
Rear ejection unit
Spindle tube liner for small parts
Chip conveyor & Chip box
Medium pressure coolant
Custom colors
Tooling



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