

CNC AUTOMATIC LATHE
NN-20J2

Machine made by Artigiano



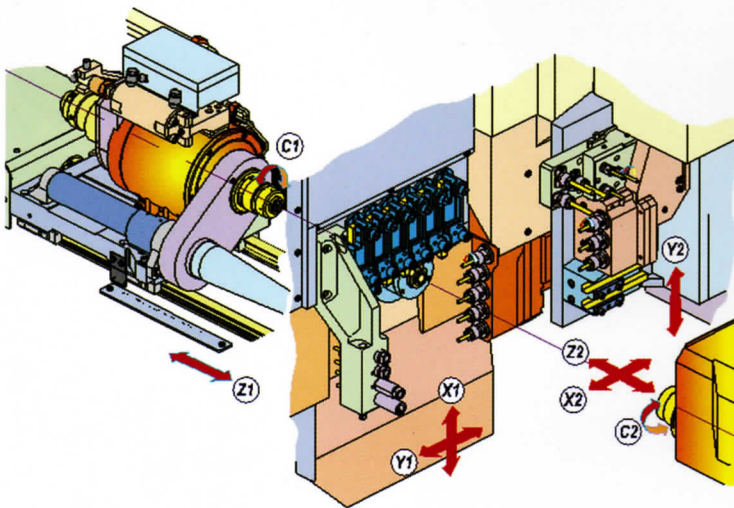
NOMURA VTC AUTOMATIC LATHE CO.,LTD.

NOMURA VTC

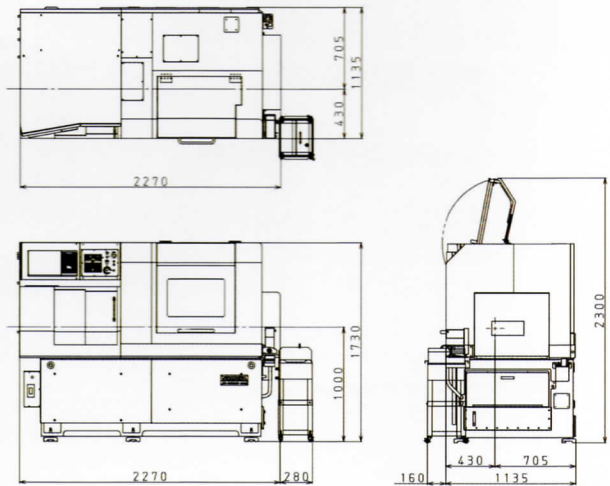
NN-20J2



- Power up both \$1 and \$2
Main spindle motor 1.5/3.7kW
(20J: 1.5/2.2kW)
- High efficiency production and complicated machining can be possible by the optimum alignment of \$1 and \$2
- New CNC M70V (MITSUBISHI) built-in
- Rapid feed rate speed 36m / min.



Floor Layout



Safety System (Standard Equipment)



Coolant oil cut-off detector

Stops the machine automatically when the pressure of coolant oil decreases below specified level.



Door safety interlock switch

Causes the main power breaker to trip and the power to shut down when electric cabinet cover is opened.



Lightning surge protection function

Protects electronic circuit from high voltage surge noise such as lightning.



Auto power interception

Switches off the power breaker on the machine automatically when the machine is stopped during the automatic operation for any reason.



Main spindle load detection mode

Stops the machine detecting defects in the main spindle when standard load and actual main spindle load are different.



Cut-off tool breakage detector

Stops the machine automatically detecting materials that cannot be completely cut-off due to the breakage failure of the parting tool.



Tap breakage detector (Option)

Stops the machine automatically detecting broken tap while processing the edge face of the tap.

	Specification Item	Specification Value	Standard Accessories	
Max. Machining Capabilities	Machining diameter	Φ20 mm	Main spindle cooling unit (\$1, \$2)	
	Machining length	200mm/1 chuck	Main spindle (\$1, \$2) / Rotary guide bush air-purge	
	Max. Parts unloading length	93mm	Synchronous rotaty guide bush	
Main Spindle	Main spindle through-hole diameter	Φ23mm	4 ID (Frontal drill) attachment	
	Main spindle RPM (\$1,\$2)	10,000 r.p.m max.	Drill holder Φ22 (3pcs.)	
\$1	Max. no. of tools	26	Tap holder Φ22 (1pce.)	
	OD tool (□12.7×150mm max)	6	Tool holder □12.7 (5pcs.)	
	ID Frontal hole (ER16)	4	Tool holder □12.7 for cut-off (1pce.)	
	Live tool (ER16)	5	Main: Chuck sleeve, Spring, Spindle cap (1 set)	
	Max. frontal drill diameter	Φ10mm	Back: Chuck sleeve, Spring, Spindle cap (1 set)	
	Max. frontal drill length	40mm	Lightning surge protection function	
	Max. frontal tap diameter	M8	Main spindle load detection mode	
	Max. live tool spindle drill diameter	Φ8mm	Automatic power interception	
	Max. live tool spindle tap diameter	M6	Automatic lubricator (with level detector)	
	Live main tool spindle	6,000 r.p.m max.	Coolant oil unit (\$1, \$2)	
	\$2	OD tool □12×150mm	2	Coolant oil cut-off detector (\$1, \$2)
ID frontal hole (ER16)		3	Cut-off tool breakage detector	
Live tool (ER16)		3	Door safety interlock switch	
Off-center frontal hole (ER11)		3	Override switch	
Max. frontal drill diameter		Φ10mm	Working light (LED light)	
Max. frontal tap diameter		M8	Parts catcher (\$2)	
Max. live tool spindle drill diameter		Φ8mm	Parts conveyor (with parts receiver and basket)	
Max. live tool spindle tap diameter		M6	Leveling pads	
Motor	Rapid feed speed rate	36mm	Optional Accessories	
	Min. command unit	0.0001mm	\$1	5 Live tool unit
	Main spindle C-axis min. command unit (\$1,\$2)	0.0001°		3 off-center drill + 3 Live tool unit
	Main spindle motor	1.5/3.7kW		Tool holder □12.7 (Additional)
	Live tool motor	0.75kW		Tool holder □12.7 for cut-off (Additional)
	Back main spindle motor	1.5/3.7kW	\$2	Drill holder for deep hole
	Back live tool motor	0.75kW		Tap holder for deep hole
	Axis feed motor Y1, Z1, X2, Z2	0.5kW		Back 3 ID (Frontal drill) attachment
	Axis feed motor X1, Y2	1.0kW		Back 3 Live tool unit (A)
	Coolant pump (\$1,\$2)	0.25kW		Back 3 Off-center drill (Optional in compimation with (A))
	Lubricant pump	0.003kW		Back 2 OD tool (Comb type)
	Dimensions and Others	Main spindle center height	1000mm	Fixed guide bush
		Input power capacity	14KVA	Tap breakage detector (\$1, \$2)
		Pneumatic pressure & flow rate	0.6MPa, 50L/min.	REGO-FIX cap ER16M
Coolant tank		160L	Tool presetter 10	
Lubricant tank		0.8L	Tool air blow (※1)(※2)	
W×D×H		2,270×1,135×1,730mm	Manual pulse generator 37P	
NC Standard Function	Weight (incl. options)	2,700kg	NC display language (English / Chinese / Korean and others)	
	MITSUBISHI NC	M70V TypeA	Parts catcher (\$1)	
	NC display (10.4 color TFT LCD)		Pipe type parts unloader (I.D Φ14mm or less)	
	Machining program memory capacity	1,280m	Spindle tube liner for small parts	
	Number of Tool off-set correction	40 pcs.	Large-sized lubricant pump 1.8L	
	Background programming editing function		Signal warning light, 3-stage	
	Main spindle C-axis function (\$1,\$2)		Signal warning light, 1-stage	
	User macro function		Chip conveyor (※1)	
	Tool nose wear compensation		Medium pressure coolant (※1)	
	Corner chamfering / Corner rounding		Automatic fire extinguisher (※3)	
	Fixed cycle		Oil mist collector (※3)	
	Complex fixed cycle		Oil pan for oil mist collector	
	Geometric commands		Dent preventive kit	
	Operation manual		Specified color	
Serial In/Output interface		Tooling		
CF card interface		Working tool set		

(*1) Sub-control board is required. (*2) Pneumatic pressure manifold is required. (*3) For the same unit, fire protection dumper is required.

The above-mentioned machine capability is for the case when work material is SUS303.

Depending on the processing condition such as the quality of work material and the tools to be used, machine capabilities values may differ from the above-mentioned values.

Note: The specification based on the specifications applied within Japan. Specifications are subject to change without notice.

Note: This product could be classified as strategic item or other export regulated under the Foreign Exchange and Foreign Trade Law. Contact our sales representative when exporting this product.

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