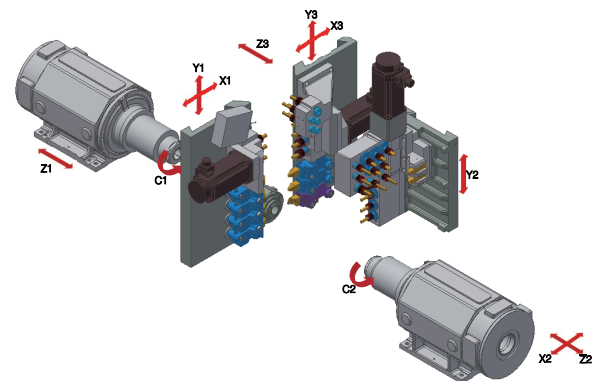
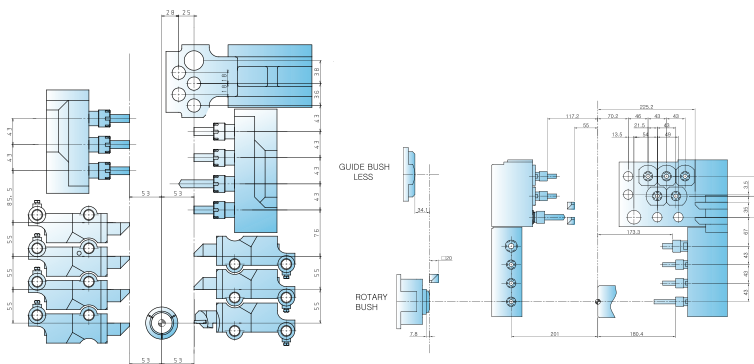


NN-38DB

- Flagship machine for difficult to cut parts
- Opposing tooling layout for pinch turning and pinch milling
- Guide bush or non-guide bush mode
- Comes standard with Micro Vibrational Technology (MVT)

**Tool Layout**

Feed	Unit	Z1	X1	Y1	Z2	X2	Y2	Z3	X3	Y3
Feed Distance	mm (in)	300 (11.8)	53 (2.09)	432 (17.01)	414 (16.3)	227 (8.94)	291 (11.5)	45 (1.77)	53 (2.09)	432 (17.01)
Rapid Feed Rate	m/min	28	14	28	28	25	28	14	14	28

Tools		Unit	NN-38DB	Remarks
Max. number of tools		EA	34 (OP.36)	
Main	O.D. tool	EA	7	□ 20
	I.D. tool	EA	5	ER20x1, ER16x4
	Cross Drill	EA	7	ER20x7
Sub	O.D. tool	EA	2 (OP.3)	□ 16
	I.D. tool	EA	4(OP.5)	ER20x1, ER16x3 (OP.4)
	Eccentric tool	EA	5	ER16
	Cross drill	EA	4	ER20x1, ER16x3

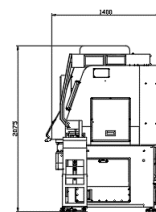
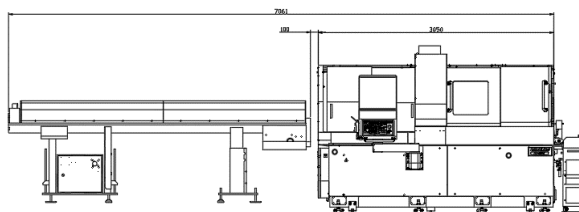
NN-38DB Specifications

Content		Specification	Specification Value
			NN-38DB
Machining Capacity		Max. machining diameter	Φ38mm(OP. Ø42)
		Max. machining length	FB 330mm / 1chuck (RB 300mm)
		Max. parts unloading length	100mm
Spindle		Main spindle through-hole diameter	Φ44mm
		Spindle RPM (Main/Sub)	Max. 8,000rpm, (Servo RGB D: Max. 6,000rpm)
		Sub spindle chucking diameter	Φ38mm(OP. Ø42)
Tool	Type	Max. number of tools	34(op. 36)
		Max. machining drill	Φ13mm
		Max. machining tap	M10
	Main	O.D. tool	7 (□ 20x6,(cut) □ 20x1)
		I.D. tool	5 (ER20x1 + ER16x4) 50mm max
		Cross drill	7(ER20x7)
		Cross drill RPM	Max. 8,000rpm
	SUB	I.D. rotary tool	5 (ER16x5)
		I.D. fixed tool	[3 (ER16)/OP.4]+1(ER20)
		O.D. tool	□ 16x2(OP. □ 16x3) 75mm max
		Cross drill	4(ER20x1+ER16x3)
		Sub drill RPM	Max. 8,000rpm
Feed		Rapid feed rate	Z1, Y1, Z2, Y2, Y3 : 28m/min / X2 : 25m/min X1, Z3, X3 : 14m/min
		Min. command unit	0.0001mm
		C-axis min. command unit (Main/Sub)	0.0001°
Motor		Main spindle motor	7.5/5.5kW (Mitsubishi)/ 7.5/11 kW (Fanuc)
		Cross drill motor	1.5kW (Mitsubishi)/ 2.2 kW (Fanuc)
		Sub spindle motor	7.5/5.5kW (Mitsubishi)/ 7.5/11 kW (Fanuc)
		Sub cross drill motor	1.5kW (Mitsubishi)/ 2.2 kW (Fanuc)
		Z1, X1, Y1, Z2, X2, Y2, Z3, X3, Y3 axis motor	Z1, X1, Y1, Z2, X2, Y2, Z3, X3, Y3: 1.0kW (Mitsubishi) Z1, X1, Y1, Z2, X2, Y2, Z3, X3, Y3: 1.4kW, Y2: 1.6kW (Fanuc)
		Lubricant pump	0.015kW
Dimensions and etc.		Main spindle center height	1,120mm
		Input power capacity	29KVA
		Air pressure/Flow rate	0.6MPa,20L/min
		Coolant tank	260L
		WxDxH	3,050x1,400x2,075 mm
		Weight (Standard accessories included)	4,150kg
NC		NC (Mitsubishi/Fanuc)	M830VS (Mitsubishi)/ 31iB(Fanuc)
		NC display	15" Color LCD
		Memory capacity	500KB (Mitsubishi)/ 2 MB (Fanuc)
		No. of tool offset	333sets (Mitsubishi) / 128 Sets (Fanuc)

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
Automatic wire extinguisher
Display language (ENG/CHN/KOR/ETC)

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

Floor Layout



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