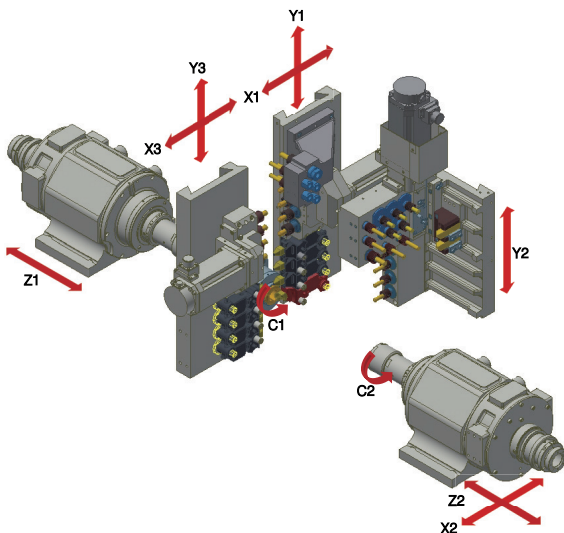
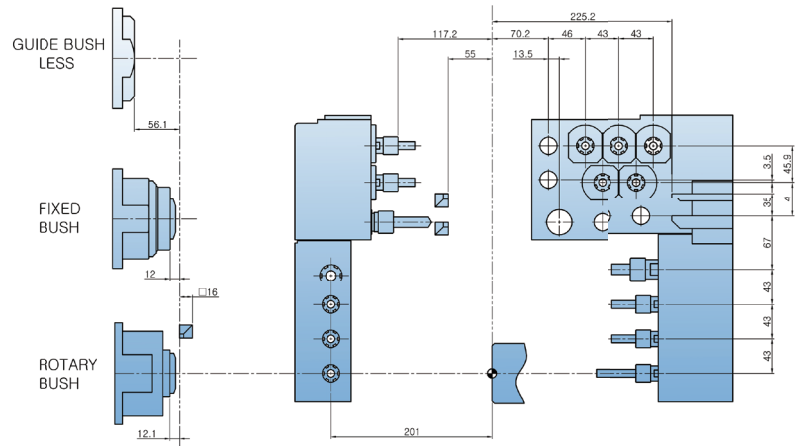
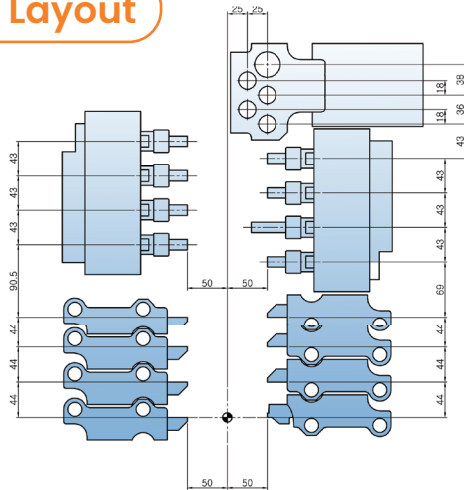


NN-32DB

- 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	X3	Y3
Feed Distance	mm (in)	300 (11.8)	54 (2.13)	451 (17.7)	369 (14.5)	227 (8.9)	293 (11.5)	54 (2.13)	451 (17.7)
Rapid Feed Rate	mm/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	□ 16
	I.D. tool	EA	5	(ER20x1) + (ER16x4)
	Cross Drill	EA	8	ER20
Sub	O.D. tool	EA	2	□ 16
	I.D. tool	EA	4	(ER20x1) + (ER16x3)
	Eccentric tool	EA	5	ER16
	Cross Drill	EA	4	(ER20x1) + (ER16x3)

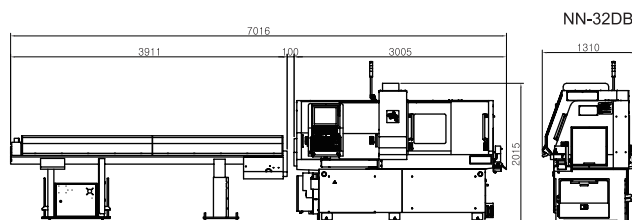
NN-32DB Specifications

Content		Specification	Specification Value
			NN-32DB
Machining capacity		Max. machining diameter	Φ32mm
		Max. machining length	300mm / 1 chuck
		Max. parts unloading length	100mm
Spindle		Main spindle through-hole diameter	Φ37mm
		Spindle RPM (Main/Sub)	8,000rpm
		Sub spindle chucking diameter	Φ32mm
Tool	Type	Type	Standard
		Max. number of tools	36 (OP : 38)
		Max. machining drill	Φ10mm
		Max. machining tap	M8
	Main	O.D. tool	8 (□16x4)x2
		I.D. tool	5 (ER20x1)+(ER16x4)
		Cross drill	8 (ER20x4)x2
		Cross drill RPM	6,000rpm
	SUB	O.D. tool	2 (□16x2) (OP : 3)
		I.D. fixed tool	4(ER16x3)+(ER20x1) (OP : 5(ER16x4)+(ER20x1))
		I.D. rotary tool	5 (ER16)
		Cross drill	4 (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 (Mitsubishi), 9.0/5.5kW (Fanuc)
		Cross drill motor	1.5kW (Mitsubishi), 2.2kW (Fanuc)
		Sub spindle motor	7.5/3.7kW (Mitsubishi), 9.0/5.5kW (Fanuc)
		Sub rotary motor	1.5kW (Mitsubishi), 2.2kW (Fanuc)
		Z1, X1, Y1, Z2, X2, Y2 Z3, X3, Y3 axis motor	Z1, X1, Y1, Z2, X2, Y2, X3, Y3: 1.0kW (Mitsubishi) Z1, X1, Y1, Z2, X2, X3, Y3: 1.4kW, Y2: 1.6kW (Fanuc)
		Lubricant pump	0.015kW
Dimensions and etc.		Main spindle center height	1,060mm
		Input power capacity	25KVA
		Air pressure/Flow rate	0.6MPa.45L/min
		Coolant tank	205L
		WxDxH	3,005X1,310X2,015mm
		Weight (Standard accessories included)	3,850kg
NC		NC UNIT	M830 (Mitsubishi) / 31iB(Fanuc)
		NC display	15.0 Color TFT LCD
		Memory capacity	500KB(Mitsubishi) / 2MB(Fanuc)
		No. of tool offset	400sets(Mitsubishi) / 128sets(Fanuc)

Standard Accessories
I.D. tool device
Cross drill unit
Manual pulse generator(MPG)
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
Medium pressure coolant
Custom colors
Tooling

Floor Layout



V2024_08_19