CNC FLAT BED Lathe Machine
Model: BN-Series

Product Description

- Spindle Bore: 155/ 250/ 305/ 380mm

- Spindle Speed: 6" bore(6~800) / 10"bore(4~600)/ 12"bore(4~400) / 15"bore(4~300)(auto 4 steps)

- Distance Between Center: 2200/ 3200/ 4200/ 5200mm

- Swing Over Bed: 800/ 1000/ 1200mm

- Swing Over Cross Slide: 510/ 710/ 910mm

SPECIFICATIONS

FLAT BED CNC LATHE

BN SERIES

	Model	**unit**	**BN-32**	**BN-40**	**BN-48**
	Center height	mm(inch)	400(15.75")	*500(19.68")	*600(23.62")
	Distance between centers	mm(inch)	2200(86"), 3200(126"), 4200(165"), 5200(205")		
	Swing over bed	mm(inch)	800(31.5")	1000(39")	1200(47")
	Swing over gap	mm(inch)	1080(42.52")	1280(50.4")	1480(58.3")
	Swing over cross slide	mm(inch)	510(20")	710(28")	*910(36")

	Width of bed	mm(inch)	560(22")
	Bed way		3V + I Flat Way
	Cross slide width	mm(inch)	300(12")
	Gap width	mm(inch)	*600(24")
Headstock & main spindle	Spindle bore / nose	mm(inch)	155(6")A2-11 / *250(10")A2-15 / *305(12")A2-20 / *380(15")A2-20
	Spindle speed	rpm	6" bore (6-800 rpm) / *10" bore (4-600rpm) / *12" bore (4-400 rpm) / *15" bore (4-300 rpm) (auto 4 steps)
Cross slide (X-axis) & Carriage (Z-axis)	Cross slide travel (X-axis)	mm(inch)	550(22")
	Longitudinal travel (Z-axis)	mm(inch)	2000(80"), 3000(120"), 4000(160"), 5000(200")
	AC servo motor (X-axis)	kw	3 Fanuc / 3.3 Simens / 14.8 Nm Fagor
	AC servo motor (Z-axis)	kw	4 Fanuc / 4.4 Simens / 27.3 Nm Fagor
	Dia of ball screw (X-axis)	mm	Φ40 x P5 x C3
	Dia of ball screw (Z-axis)	mm	Φ63 x P10 x C5 /*Φ80 x P12 x C5 (6000, 7000, 8000)

	Rapid traverse speed (X-axis)	mm/min	6000	
	Rapid traverse speed (Z-axis)	mm/mm	8000	
Tailstock	Quill taper		MT #6	
	Quill diameter	mm(inch)	Ø 125(5") / *rotation 165 (6.5”)	
	Quill travel	mm(inch)	275(11")	
Turret / toolpost	Tool station		*horizontal type 4T / *horizontal type 6T	*vertical type 8T / *vertical type 10T
	Size of external turning tool	mm	32	
Motor	Main spindle	kw	22 / *30 [*30hp(30hp inverter) / *40hp(40hp inverter)]	
	Headstock lube pump	hp	1 / 4	
	Headstock speed auto change x 2	w	60	
	Lube system pump	w	22	
	Hydraulic oil pump	hp	2	

	Coolant pump	hp	1/2			
Accuracy	Positioning	mm	+0.01 / 300			
	Repeatability	mm	+0.005			
	Spindle run-out	mm	+0.01			
Tank Capacity	Hydraulic tank	l	80			
	Coolant tank	l	203, 275, 332, 390			
Controller	Controller	brand	Simens / Fagor / Fanuc / Mitsubishi			
	Controllable	axis	2			
Weight	Net / Gross	kg (lb)	7200(15840)/ 7700(16940)	8000(17600)/ 8600(18920)	8800(19360)/ 9500(20900)	9600(21120)/ 10400(22880)
Dimensions	Floor space (full guard) L x W x H	mm (inch)	4350 x 2350 x 2000 (175"x93"x79")	5350 x 2350 x 2000 (136"x93"x79")	6350 x 2350 x 2000 (246"x93"x79")	7350 x 2350 x2 000 (285"x93"x79")
	Packing Size (full guard) L x W x H	mm (inch)	4550 x 2200 x 2200 (189"x87"x87")	5550 x 2200 x 2200 (228"x87"x87")	6550 x 2200 x 2200 (268"x87"x87")	7550 x 2200 x 2200 (307"x87"x87")

Design and specs are subject to change without notice.

The asterisk(*) sign in the spec list indicates that the item is an optional choice.

***Distance between centers 6000, 7000, 8000(mm) are available.**