

MACHINE SPECIFICATIONS

Description			Unit	DBD1250	DBD1270	DBD1290	DBD1680W	DBD16100W
Travels	Stroke	X-axis	mm (inch)	5000 (196.9)	7000 (275.6)	9000 (354.3)	8000 (315.0)	10000 (393.7)
		Y-axis (extension opt.)	mm (inch)	1500 {2000} (59.1 {78.7})	1500 {2000} (59.1 {78.7})	1500 {2000} (59.1 {78.7})	2000 {2500} (78.7 {98.4})	2000 {2500} (78.7 {98.4})
		Z-axis	mm (inch)	1000 (39.4)	1000 (39.4)	1000 (39.4)	800 (31.5)	800 (31.5)
		W-axis	mm (inch)	X	X	X	500 (19.7)	500 (19.7)
	Distance between 2 spindle ends		mm (inch)	500~2500 (19.7~98.4)	500~2500 (19.7~98.4)	500~2500 (19.7~98.4)	400~3000 (15.7~118.1)	400~3000 (15.7~118.1)
	Distance between table center and spindle end		mm (inch)	250~1250 (9.8~49.2)	250~1250 (9.8~49.2)	250~1250 (9.8~49.2)	200~1500 (7.9~59.1)	200~1500 (7.9~59.1)
	Spindle center to table top	Table (W/H APC opt.)	mm (inch)	300~1800 (11.8~70.9) {150~1650 (5.9~65.0)}	300~1800 (11.8~70.9) {150~1650 (5.9~65.0)}	300~1800 (11.8~70.9) {150~1650 (5.9~65.0)}	150~2150 (5.9~84.6) {0~2000 (0~78.7)}	150~2150 (5.9~84.6) {0~2000 (0~78.7)}
Feedrate	Rapid traverse	X-axis	mm/min (ipm)	12 (0.5)	12 (0.5)	12 (0.5)	10 (0.4)	10 (0.4)
		Y-axis	mm/min (ipm)	12 (0.5)	12 (0.5)	12 (0.5)	10 (0.4)	10 (0.4)
		Z-axis	mm/min (ipm)	12 (0.5)	12 (0.5)	12 (0.5)	10 (0.4)	10 (0.4)
		W-axis	mm/min (ipm)	X	X	X	6 (0.2)	6 (0.2)
	Cutting feedrate	X/Y/Z-axis	mm/min (ipm)	4				
Table	Table Size		mm (inch)	1250x5000 (49.2x196.9)	1250x7000 (49.2x275.6)	1250x9000 (49.2x354.3)	1600x8000 (63.0x315.0)	1600x10000 (63.0x393.7)
	Max. load capacity		kg (lb)	9000 (19841.3)	10000 (22045.9)	10000 (22045.9)	18000 (39682.6)	18000 (39682.6)
Pallet <small>OPTION</small>	Palle Size		mm (inch)	1250x5000 (49.2x196.9)	1250x7000 (49.2x275.6)	1250x9000 (49.2x354.3)	1600x8000 (63.0x315.0)	1600x10000 (63.0x393.7)
	Max. load capacity		kg (lb)	7000 (15432.1)	7000 (15432.1)	7000 (15432.1)	8000 (17636.7)	8000 (17636.7)
Spindle	Max. spindle speed		r/min	3000				
	Number of speed ranges			3 step				
	Spindle taper			ISO BT#50, 7/24 taper				
	Spindle motor (30 min/cont.)		kW (Hp)	26/22 {37/30} (34.9/29.5 {49.6/40.2})				26/22 (34.9/29.5)
	Boring spindle diameter			-				ø130
ATC <small>OPTION</small>	Tool storage capacity		ea	40/ 60/ 90				
	Tool shanke			MAS403 BT50				
	Max. tool diameter		mm (inch)	ø130 (ø5.1) / {ø250 (ø9.8), ø400 (ø15.7) (both-side 1pots must be empty)}				
	Max. tool length		mm (inch)	400 (15.7)				
	Max. tool weight		kg (lb)	25 (55.1)				30 (66.1)
	Method of tool selection			Fixed address				
Power	Electric power supply (rated capacity)	a22(a30)	KVA	100(120)			120	
Machine dimensions	Installation LengthXWidth	Table (W/H APC opt.)	mm (inch)	15100 {17200} (594.5 {677.2})	19100 {21200} (752.0 {834.6})	23100 {25200} (909.4 {992.1})	22600 {25600} (889.8 {1007.9})	26600 {29600} (1047.2 {1165.4})
	Height	Y1500 (Y2000 opt.)	mm (inch)	4000 {4500} (157.5 {177.2})			4930 (194.1)	
	Weight (Std)		kg (lb)	63000 (138889.2)	68000 (149912.1)	73000 (160935.1)	74000 (163139.7)	79000 (174162.6)

* Please consult with your DN Solutions for Increasing the table length. {} : Option