

MACHINE SPECIFICATIONS

Item	Unit	DCM 2740F II	DCM 2750F II	DCM 2760F II	DCM 2780F II	DCM 3250F II	DCM 3260F II	DCM 3280F II	DCM 3780F II	DCM 37100F II	DCM 4280F		
Travel	X-axis Travel (Table Longitudinal)	mm (inch)	4250 (167.3)	5250 (206.7)	6250 (246.1)	8250 (324.8)	5250 (206.7)	6250 (246.1)	8250 (324.8)	8250 (324.8)	10250 (403.5)	8250 (324.8)	
	Y-axis Travel (Spindle Head Cross)	mm (inch)	3200 (126.0)				3700 (145.7)			4200 (165.4)		5000 (196.9)	
	Z-axis Travel (Ram Vertical)	mm (inch)	700 {1000}* (27.6{39.4})							1000 (39.4)			
	W-axis Travel (Vertical Movement of Crossrail)	mm (inch)	1100 (43.3) {1450 (57.1): applicable to height of table to spindle nose 2350mm and over}* (65.0 {78.7, 92.5, 106.3})							1400 (55.1)			
	Effective width between columns	mm (inch)	2700 (106.3)				3200 (126.0)			3700 (145.7)		4200 (165.4)	
	Table to Spindle Nose	mm (inch)	1650 {2000, 2350, 2700}* (65.0 {78.7, 92.5, 106.3})							2350 {2700}			
Feedrate	Rapid Traverse X, Y, Z, W	m/min (ipm)	16, 20*, 15, 3 (629.9, 787.4*, 590.6, 118.1)							1650 {2000, 2350, 2700}* (65.0 {78.7, 92.5, 106.3})		16, 18, 15, 3 (629.9, 708.7, 590.6, 118.1)	
	Max. Cutting Feedrate X, Y, Z	mm/min (ipm)	10000, 10000, 10000 (393.7, 393.7, 10000)										
Table	Table Size (Width x Length)	mm (inch)	2200 x 4100 (86.6 x 161.4)	2200 x 5100 (86.6 x 200.8)	2200 x 6100 (86.6 x 240.2)	2200 x 8100 (86.6 x 318.9)	2700 x 5100 (106.3 x 200.8)	2700 x 6100 (106.3 x 240.2)	2700 x 8100 (106.3 x 318.9)	3200 x 8100 (126.0 x 318.9)	3200 x 10100 (126.0 x 397.6)	3500 x 8100 (137.8 x 318.9)	
	Load Capacity	kg (lb)	20000 (44091.8)	25000 (55114.8)	30000 (66137.7)	40000 (88183.6)	33000 (72751.5)	39000 (85979.0)	45000 (99206.6)				
	T-Slot	mm (inch)	24H8 {28H8, 32H8}* (0.94H8 {1.10H8, 1.26H8})										
Spindle Head	Tool Shank	-	BT 50 {CAT 50, DIN 50, HSK 63A}										
	Ram Size	mm (inch)	380 x 380 (15.0 x 15.0)										
	Max. Spindle Speed	r/min	Built-in 6000, {Built-in 8000, Gear box 6000, 4000}										
	Spindle Drive Motor (30min. / cont.)	kW (Hp)	25 {Built-in 25, Gear box 26, 45} (33.5 {Built-in 25, Gear box 34.9, 60.3})										
ATC	Tool Storage Capacity	ea	40 {60, 90, 120}										
	Max. Tool Diameter	mm (inch)	130 [adjacent pot empty: 250](5.1[adjacent pot empty: 9.8])										
	Max. Tool Length	mm (inch)	400 (15.7)										
	Max. Tool Weight	kg (lb)	30 (66.1)										
	Max. Tool Moment	N · m (ft-lbs)	29.4 (21.7)										
	Tool Selection Type		Fixed address										
AAC	Type		Linear type 2-station {Linear shuttle type 3/4/5 stations}										
Machine Size	Machine Height	mm (inch)	6700 (263.8)									7870 (309.8)	
	Floor Space (Machine only)	mm (inch)	7730 x 11200 (304.3 x 440.9)	7730 x 13375 (304.3 x 526.6)	7730 x 15710 (304.3 x 618.5)	7730 x 19710 (304.3 x 776.0)	8230 x 13375 (324.0 x 526.6)	8230 x 15710 (324.0 x 618.5)	8230 x 19710 (324.0 x 776.0)	8730 x 19710 (343.7 x 776.0)	8730 x 959.8 (343.7 x 776.0)	9970 x 20920 (392.5 x 823.6)	
	Machine Weight	kg (lb)	65000 (143298.4)	68000 (149912.1)	71000 (156525.9)	77000 (169753.4)	82000 (180776.4)	86000 (189594.7)	94000 (207231.5)	112000 (246914.1)	120000 (264550.8)	130000 (286596.7)	

{ } : optional
 * DCM 3250F II / 3260F II / 3280F II model, the rapid traverse is reduced to 18m/min(708.7 ipm) or less in range of Y axis travel tip 250 mm(9.84 inch) for the stable deceleration.
 * Specifications and delivery of DCM 3780F II / 37100F II / 4280F should be reviewed in detail before contract.
 * Specifications of DCM U-frame with simultaneous 5-axis universal head should be reviewed in detail before contract.