

SPECIFICATIONS

MCR-A5C

SIZE		20x30	20x40	20x50	25x30	25x40	25x50	
TRAVEL	Width BT Columns X Table Travel							
	X Axis (Table Front / Back)	mm (in)	3,200 (125.98)	4,200 (165.35)	5,200 (204.72)	3,200 (125.98)	4,200 (165.35)	5,200 (204.72)
	Y Axis (Horizontal Spindle)	mm (in)	2,500 (98.43)			3,000 (118.11)		
	Z Axis (Vertical RAM)	mm (in)	650 (25.59)					
	Crossrail (Vertical Crossrail)	mm (in)	700 (27.56)			1,000 (39.37)		
TABLE	Effective Width Between Columns	mm (in)	2,050 (80.71)			2,550 (100.39)		
	Table to Spindle Nose	mm (in)	0 ~ 1,350 (0 ~ 53.15) [0 ~ 1,250 (0 ~ 49.21)]**			0 ~ 1,650 (0 ~ 64.96) [0 ~ 1,550 (0 ~ 61.02)]**		
	Working Surface (WxL)	mm (in)	1,500x3,000 (59.06x118.11)	1,500x4,000 (59.06x157.48)	1,500x5,000 (59.06x196.85)	2,000x3,000 (78.74x118.11)	2,000x4,000 (78.74x157.48)	2,000x5,000 (78.74x196.85)
SPINDLE	Maximum Load	kg (lbs)	10,000 (22,000)	13,000 (28,600)	16,000 (35,200)	14,000 (30,800)	18,000 (39,600)	23,000 (50,600)
	T-Slot WidthxNo.	mm (in)	20"x11 (0.79"x11) (Center Pitch 140 [5.51] Outer Pitch 100[3.94])			24"x11 (0.94"x11) (Center Pitch 200 [7.87] Outer Pitch 70 [2.76])		
	Height from the Floor	mm (in)	750 (29.53)			800 (31.50)		
FEEDRATES	Spindle Speed	min <sup>-1</sup>	30 ~ 4,000 [30 ~ 6,000]					
	Taper Bore		7 / 24 Taper No. 50					
	Bearing Diameter	mm (in)	100 (3.94) [85 (3.35)]					
ATC	Rapid Traverse	m/min (ipm)	X / Y: 20 (787.4) Z: 10 (393.7)					
	Cutting Feedrate	m/min (ipm)	0.001 ~ 10 (0.04 ~ 393.7)					
	Crossrail Traverse	m/min (ipm)	1 (39.37)					
MOTORS	Tool Shank		MAS BT50					
	Retention Knob		MAS P50T-2					
	Tool Magazine Capacity	Tools	50 [OPT: 72, 100, 120, 180]					
	Max Tool Diameter	mm (in)	With Adjacent Tools: 135 (5.31) Without Adjacent Tools: 230 (9.06)					
	Max Tool Length	mm (in)	400 (15.75)					
POWER REQUIREMENTS	Max Tool Weight	kg (lbs)	25 (55)					
	Tool Selection		Fixed Address					
	Spindle Drive	kW (hp)	VAC: 22 / 18.5 (30 / 25) (30 min / cont)					
MACHINE SIZE	Feed Drives	kW (hp)	X / Y: 6 (8.1) Z: 3.6 (4.8)					
	Crossrail Vertical Drive	kW (hp)	W: AC 4.8 (6.4)					
	Electrical Power Supply	kVA	55					
MACHINE SIZE	Compressed Air Flow Rate	L/min (ANR)	670 (More than 0.5 MPa)					
	Height	mm (in)	5,175					
	Floor Space (Machine Only)	mm (in)	5,560x8,350 (218.90x328.74)	5,560x10,730 (218.90x422.44)	5,560x12,920 (218.90x508.66)	6,060x8,730 (238.58x343.70)	6,060x10,730 (238.58x422.44)	6,060x12,950 (238.58x509.84)
	Net Mass (Machine Only)	kg (lbs)	35,000 (77,000)	37,500 (82,500)	40,000 (88,000)	43,000 (94,600)	45,000 (99,000)	47,000 (103,400)

\* For Standard specifications \*\* For 6,000 min<sup>-1</sup> Specifications