

MCR-A5CII



			MCR-A5C																
TRAVEL	ITEM	UNIT	20 x 30	20 x 40	20 x 50	25 x 40	25 x 50	25 x 65	30 x 50	30 x 65	30 x 80	30 x 100	35 x 50	35 x 65	35 x 80	35 x 100	35 x 120		
	X-axis travel (table front/back)	mm (in.)	3,050 (120.08)	4,050 (159.45)	5,050 (198.82)	4,050 (159.45)	5,050 (198.82)	6,550 (257.87)	5,050 (198.82)	6,550 (257.87)	8,050 (316.93)	10,050 (395.67)	5,050 (198.82)	6,550 (257.87)	8,050 (316.93)	10,050 (395.67)	12,050 (474.41)		
	Y-axis travel (horizontal spindle)	mm (in.)	2,600 (102.36)			3,100 (122.05)			3,600 (141.73)			4,100 (161.42)							
	Z-axis travel (vertical ram)	mm (in.)	800 (31.50)																
	Crossrail (vertical crossrail)	mm (in.)	800 (31.50)			1,000 (39.37)			1,200 (47.24)										
	Effective width between columns	mm (in.)	2,150 (84.65)			2,650 (104.33)			3,150 (124.02)			3,650 (143.70)							
Table to spindle nose		*1 mm (in.)	0 ~ 1,450 [0 ~1,350] (0 ~ 57.07 [0 ~ 57.09]) *1			0 ~ 1,650 [0 ~1,550] (0 ~ 64.96 [0 ~ 61.02]) *1			0 ~ 1,850 [0 ~1,750] (0 ~ 72.83 [0 ~ 68.90]) *1			0 ~ 1,800 [0 ~1,700] (0 ~ 70.87 [0 ~ 66.93]) *1							
TABLE	Working surface (width x length)	mm	1,500 x 2,800	1,500 x 3,800	1,500 x 4,800	2,000 x 3,800	2,000 x 4,800	2,000 x 6,300	2,500 x 4,800	2,500 x 6,300	2,500 x 7,800	2,500 x 9,800	3,000 x 4,800	3,000 x 6,300	3,000 x 7,800	3,000 x 9,800	3,000 x 11,800		
	Maximum load	kg (lb)	12,000 (26,400)	16,000 (35,200)	20,000 (44,000)	22,000 (48,400)	27,000 (59,400)	34,000 (74,800)	33,000 (72,600)	43,000 (94,600)	52,000 (114,400)	66,000 (145,200)	29,500 (64,900)	37,000 (81,400)	47,000 (103,400)	61,000 (134,200)	65,000 (143,000)		
	T-slots Width x No. (spacing)	mm	20 ^{H7} X 11 (Center 140 both ends 100)			20 ^{H7} X 11 (Center 140 both ends 100)			24 ^{H7} x 13 (Center 200 both ends 180)			24 ^{H7} x 13 (Center 200)							
	Height from floor	mm (in.)	850 (33.46)						900 (35.43)			950 (37.40)							
SPINDLE	Spindle speed	*2. min ⁻¹	30 ~ 4,000 [30 ~ 6,000, 30 ~ 10,000] *3																
	Taper bore		7/24 Taper No. 50																
	Bearing diameter	*2. N • m	Ø100 (3.94) [Ø85 (3.35)] *3																
FEEDRATES	Rapid traverse	m/min (fpm)	X: 30, Y: 32, Z: 20 (X: 98.43, Y: 104.99, Z: 65.62) *6										X: 30, Y: 30, Z: 20 (X: 98.43, Y: 98.43, Z: 65.62) *6						
	Cutting feedrate	mm/min (ipm)	1 ~ 10,000 (0.04 ~ 394)																
	Crossrail traverse	m/min	3																
ATC	Tool shank		MAS BT50																
	Pull stud		MAS P50T-2																
	Tool magazine capacity	Tools	50 [Opt: 80, 100, 120, 180]																
	Max. tool diameter	mm (in.)	W/ adjacent tools: Ø135 (5.31), W/o adjacent tools: Ø230 (9.06)																
	Max. tool length	mm (in.)	400 (15.75)																
	Max. tool weight	kg (lb)	25 (55)																
	Tool selection		Fixed address																
MOTORS	Spindle drive	kW (hp)	VAC 26/22 (35/30 hp) (30 min/cont) *4 [VAC 30/22 (40/30) (30 min/cont)] *5																
	Feed drive (X / Y / Z)	kW (hp)	X: 9.4 (12.5), Y: 7.3 (9.7), Z: 5.2 x 2 (6.9 x 2)																
	Crossrail vertical drive	kW (hp)	W: 4.6 x2 (6.1x2)																
POWER	Electrical power supply	kVA	60 *2																
	Compressed air flow rate	L/min (ANR)	650 (0.5 Mpa or more) *2																
SIZE	Height	mm (in.)	5,820 (229.13)			6,020 (237)			6,300 (248.03)										
	Floor space (machine only)	mm (in.)	6,330 x 8,550	6,330 x 10,550	6,330 x 12,500	6,830 x 10,550	6,830 x 12,550	6,830 x 16,150	7,430 x 12,550	7,430 x 16,150	7,430 x 19,250	7,430 x 23,250	7,930 x 12,550	7,930 x 16,150	7,930 x 19,250	7,930 x 23,250	7,930 x 27,150		
	Net weight (machine only)	kg	40,000 (88,000)	42,000 (92,400)	45,000 (99,000)	45,000 (99,000)	48,000 (105,600)	53,000 (116,600)	53,000 (116,600)	58,000 (127,600)	63,000 (138,600)	69,000 (151,800)	58,000 (127,600)	64,000 (140,800)	70,000 (154,000)	78,000 (171,600)	86,000 (189,200)		

[] Optional
*1. []: Numbers in the case of extension head length 250 mm.
*2. Standard specs
*3. []: Shows 6,000 min⁻¹, 10,000 min⁻¹ spec
*4. Shows 4,000 min⁻¹, 6,000 min⁻¹ specs
*5. []: Shows 10,000 min⁻¹ specs
*6. Die/mold kit is 20 m/min on each axis.