

Machine Specification	MCV850		MCV1100	
Travel				
X-Axis	850 mm (33.5")		1,100 mm (43.3")	
Y-Axis	800 mm (23.6")			
Z-Axis	560 mm (22.0")			
Spindle nose to table	100-800mm (3.9-25.9")			
Table				
Table size	1,050 x 600 mm (41.3 x 23.6")		1300 x 600 mm (51.1 x 23.6")	
Floor to table	855 mm (33.6")			
Max. table loading capacity	1,100 kgs (2,420 Lbs)			
T-slot (number x width x pitch)	5 x 18 mm x 100 mm (5 x 0.7" x 3.9")			
Spindle center to column	652 mm (25.6")			
Feed system				
Rapid traverse speed	X / Y : 20 M/min (787.4"/min) , Z : 10 M/min (393.7"/min)			
Feed motor (FANUC)	X : 1.6 kW (12 Nm) , Y : 3.0 kW (22 Nm) , Z : 4.2 kW (30 Nm)			
Ball screw diameter & pitch	X : 40 mm, Y/Z : 45 mm / 10 mm (0.39")			
Cutting feed rate	1-10,000 mm/min (0.04 - 393.7"/min)			
Type of transmission	Direct Drive			
Spindle				
Type of tool shank	ISO40 (BT / CAT / DIN 69871A)	ISO50 (BT / CAT / DIN 69871A)	ISO40 (BT / CAT / DIN 69871A)	ISO50 (BT / CAT / DIN 69871A)
Max. spindle speed	8,000 rpm / 10,000 rpm (Op)	8,000 rpm / 8,000 rpm (Op)	8,000 rpm / 10,000 rpm (Op)	8,000 rpm / 8,000 rpm (Op)
Spindle motor	7.5/11 kW / 11/15 kW (Op)	15/18.5 kW / 22 /25 kW (Op)	7.5/11 kW / 11/15 kW (Op)	15/18.5 kW / 22/25 kW (Op)
Type of transmission	Belt			
ATC				
Tool storage capacity	20T / 24 or 32 or 40T (Op)	24T / 30T (Op)	20T / 24 or 32 or 40T (Op)	24T / 30T (Op)
ATC type	Armless / Arm type (Op)	Arm type	Armless / Arm type (Op)	Arm type
Max. tool diameter	100 / 95 / 75 / 70mm (3.9 / 3.7 / 3/ 3")	110 / 127 mm (4.3 / 5")	100 / 95 / 75 / 70mm (3.9 / 3.7 / 3/ 3")	110 / 127 mm (4.3 / 5")
Without adjacent tool	160 / 165 / 127 / 127mm (7.1 / 7.3 / 5/ 5")	200 / 228 mm (7.9 / 9")	160 / 165 / 127 / 127mm (7.1 / 7.3 / 5/ 5")	200 / 228 mm (7.9 / 9")
Max. tool length	300 mm (11.8")	300 mm (11.8")	300 mm (11.8")	300 mm (11.8")
Max. tool weight	7 kg (15 Lbs)	15 kgs (33 Lbs)	7 kg (15 Lbs)	15 kgs (33 Lbs)
Tool changing time (Tool to Tool)	7 sec / 3.5 sec	5 sec	7 sec / 3.5 sec	5 sec
Tool changing time (Chip to Chip)	11 sec / 5.5 sec	7 sec	11 sec / 5.5 sec	7 sec
Method of tool selection	20T by address code / Random selection bi-directional magazine rotation			
Tool display	Yes			
Special tool management	Yes			
Coolant system				
Coolant tank size	485 L			
Coolant capacity	105 L / min			
Chip Flush capacity	105 L / min			
Machine size				
Machine height	2,600 mm (102.3")	2,900 mm (114.7")	2,600 mm (102.3")	2,900 mm (114.7")
Floor space	2,540 x 2,150 mm (100 x 86.2")		2,920 x 2,190 mm (115 x 86.2")	
Weight	7,200 kgs (15840 Lbs)	7,500 kgs (16500 Lbs)	7,400 kgs (16280 Lbs)	7,700 kgs (16940 Lbs)
Power source				
Electrical power supply	25 KVA / 3 PH + 220V 50 / 60HZ			
Compressed air supply	6.0 kg/cm ² (85 psi) (0.6 MPa)			
Controller				
	FANUC / HEIDENHAIN / SIEMENS			

* Specifications may different according to option accessories and are subject to change without notice.

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