

# Champ CNC Mini Mill VMC-2414



\*Specifications may be different according to optional accessories and are subject to change without notice.  
FANUC / HEIDENHAIN / SIEMENS / MITSUBISHI / FAGOR

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# Machine Specifications

# VMC-2414

Travel	
x-Axis	24" (610 mm)
Y-Axis	14" (355 mm)
Z-Axis	18.1" (460 mm)
Spindle nose to table	2.8 ~ 20.9" (70 ~ 530 mm)
Spindle center to column	16.3" (415 mm)
Table	
Table size	27.6 x 1378" (700 x 350 mm)
Floor to table	32.9" (835 mm)
Max. table loading capacity	770 lbs. (350 kgs)
T-slot (number x width x pitch)	5 x 0.6" x 2.5" (5 x 16 mm x 63.5 mm)
Feed system	
Rapid traverse speed	X / Y: 787 ipm/min (20 M/min) , Z:708.7 ipm/min (18 M/min)
Feed motor (FANUC)	X / Y:1.8 KW (11 Nm) , Z:2.5 kw (20Nm)
Ball screw diameter & pitch	1.3" / 0.4" (32 mm / 10 mm)
Cutting feed rate	0.04 ~ 393.7 ipm (1 ~ 10.000 mm/min)
Type or transmission	Direct Drive
Spindle	
Type of tool shank	CAT-40 / BT-40 / DIN69871A
Max. spindle speed	10,000 rpm
Spindle motor	7.5 / 11 kw (10 / 15HP)
Type of transmission	Belt
ACT	
Tool storage capacity	16 tools
ATC type	Armless type
Max. tool diameter	3.7" (150 mm)
Without adjacent tool	5.9" (150 mm)
Max. tool length	11.8" (300 mm)
Max. tool weight	15 Lbs (7kgs)
Tool changing time (tool to tool)	7.5 sec
Tool changing time (chip to chip)	8.1 sec
Method of tool selection	By address code
Tool display	Yes
Coolant system	
Coolant tank size	42 Gal (160 L)
Coolant capacity	40 gal/min (150 L/min)
Chip flush capacity	Standard
Machine size	
Machine height	94.5" (2,400 mm)
Floor space	72.8" (1,850 mm)(W) x 71.9" (1,825 mm)(D)
Weight	5500 Lbs (2,500 kgs)
Power source	
Electrical power supply	15 KVA / 3PH , 220V 50 / 60 Hz
Compressed air supply	85 psi (6.0 kgf / cm <sup>2</sup> )
Controller	
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