

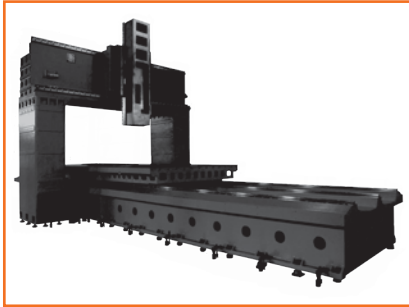


CNC moving table machining center

PFC-Mill CNC

102x125" to 110x244"

- Extremely robust and solid base frame provides great rigidity, stability and vibration-free work even with heavy-duty cutting



PFC-Mill CNC Frame



Optional configuration

- 32, 40, 60, 80 or 120-tool magazine
- Angle milling head BT 50/90° with a max. speed of 3500 rpm, 5° angular increment or 1° to 5° angular increment
- Additional vertical milling head BT50/Ø300 and Ø500mm, max. speed of 3500 rpm
- 80/120-position tool changer
- Enlarged Y-axis travel
- 18 i-MB Control
- Renishaw TS27R or NC4F tool measurement
- Renishaw OMP60 head
- Coolant through spindle, pressure 20 bar (290 psi)
- Air cooler for electric cabinet
- Faster spindle motor 37 kW (50Hp) and ZF2K-300 transmission
- Spindle (Direct Drive) 10,000 rpm
- Spindle (Belt type) 10,000 rpm
- Extended Z-axis travel up to 1100 mm (43.3") or 1400 mm (55.1")

Specifications		PFC-Mill CNC							
		3226 102x125"	4226 102x165"	5226 102x204"	6226 102x244"	3228 110x125"	4228 110x156"	5228 110x192"	6228 110x244"
Controller		Fanuc Oi-MF							
Distance between columns		2600 (102")				2800 (110")			
Max. table load		12 (26,400 lbs)	14 (30,800 lbs)	18 (39,600 lbs)	16 (35,200 lbs)			20 (44,000 lbs)	24 (52,900 lbs)
Table dimensions (W/L)		2200x3000 (86x118")	2200x4000 (86x157")	2200x5000 (86x196")	2200x6000 (86x236")	2500x3000 (98x118")	2500x4000 (98x157")	2500x5000 (98x196")	2500x6000 (98x236")
Travels	X-axis	3200 (125")	4200 (165")	5200 (204")	6200 (244")	3200 (125")	4200 (165")	5200 (205")	6200 (244")
	Y-axis	2600 (102")				2800 (110")			
	Z-axis	800 (31.5") [Opt. 1000 (39.3"), 1200 (47")]							
Spindle-table distance		200~1000 (7.8~39") [Opt. 200~1200 (7.87~47.25"), 1400 (55")]							
Spindle taper		CAT 50							
Spindle speed		4000 [opt. 6000]							
Main drive motor		18.5 (25 Hp)							
Cutting feed rate		1~5000 (0.04~197"/min)							
Rapid traverse – X/Y/Z axes		10/10/12 (400/400/470"/min)							
Minimum increment		0.001 (0.00004")							
Number of tools 22xx		40 [opt. 60]							
Max. tool diameter	Empty pockets	Ø125 (4.92")							
	Full pockets	Ø200 (8.87")							
Max. tool length		350 (13.8")							
Max. tool weight		18 (39.6 lbs)							
Weight		38500 (84,700 lbs)	43000 (94,600 lbs)	49000 (107,800 lbs)	50000 (110,000 lbs)	43000 (94,600 lbs)	44000 (96,800 lbs)	51000 (112,200 lbs)	53000 (116,600 lbs)
Item No.		6630005	6630006	6630002	6630007	6630009	6630010	6630011	6630012

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.



CNC moving table machining center

PFC-Mill CNC

63x86" to 110x244"

- Work piece movement in the x-axis is carried out by table movement on triple V and flat guideways
- Rigid frame structure consisting of a solid machine bed with a large gantry



Standard configuration

- Glass window type splash guard
- Programmable coolant system
- Automatic lubrication system
- Spindle air blast system
- Working lamp
- Alarm lamp for abnormal situations
- Indication lamp for dwell & end of job
- leveling bolts & pads
- Chip auger & chain type chip conveyors
- M.P.G
- Machine inspection lists
- Operation manuals
- Auto power off
- RS-232C terminal interface
- Spindle coolant system
- Heat exchanger
- FANUC Oi-MF Controller

Specifications		PFC-Mill CNC							
		2216 63" x 86"	2616 63" x 102"	3216 63" x 125"	4216 63" x 165"	2221 83" x 86"	2621 83" x 102"	3221 83" x 125"	4221 83" x 165"
Controller		Fanuc Oi-MF							
Distance between columns	mm	1600 (63")				2100 (82.6")			
Max. table load	T	6 (13,220 lbs)	8 (17,600 lbs)	9 (19,800 lbs)	10 (22,000 lbs)	8 (17,600 lbs)	9 (19,800 lbs)	10 (22,000 lbs)	12 (26,400 lbs)
Table dimensions (W/L)	mm	1400x2000 (55x78")	1400x2400 (55x94")	1400x3000 (55x118")	1800x4000 (70x157")	1800x2000 (70x78")	1800x2400 (70x94")	1800x3000 (70x118")	1800x4000 (70x157")
Travels	X-axis	2200 (86.6")	2600 (102")	3200 (125")	4200 (165")	2200 (86.6")	2600 (102")	3200 (125")	4200 (165")
	Y-axis	1600 (63")				2100 (83")			
	Z-axis	800 (31.5") [Opt. 1000 (39.37"), 1200 (47")]							
Spindle-table distance	mm	200~1000 (7.87~39") [Opt. 200~1200 (7.87~47.25"), 1400 (55")]							
Spindle taper		CAT 50							
Spindle speed	rpm	4000 [Opt. 6000]							
Main drive motor	kW	18.5 (25 Hp)							
Cutting feed rate	mm/min	1~5000 (0.039~197"/min)							
Rapid traverse -X/Y/Z axes	m/min	10/10/12 (400/400/470"/min)							
Number of tools 14xx	#	24				32			
Max. tool diameter	Empty pockets	Ø125 (4.9")							
	Full pockets	Ø200 (8.8")							
Max. tool length	mm	350 (13.8")							
Max. tool weight	kg	18 (39 lbs)							
Weight	kg	26000 (57,200 lbs)	28000 (61,600 lbs)	30000 (66,000 lbs)	33000 (72,600 lbs)	27000 (59,400 lbs)	29000 (63,800 lbs)	31000 (68,200 lbs)	35000 (77,000 lbs)
Item No.		6630004	6630013	6630014	6630015	6630016	6630017	6630018	6630019

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CNC moving table machining center

PFC-Mill CNC

47x86" to 59x126"

- One-piece base
- One-piece crossbeam and columns
- Z-axis with roller type linear ways paired with high-speed spindle and high-speed accuracy
- Efficient method for machining molds

PFC-Mill base Table



Standard configuration

- Glass window type splash guard
- Programmable coolant system
- Automatic lubrication system
- Spindle air blast system
- Working lamp
- M.P.G
- Alarm lamp for abnormal situations
- Indication lamp for dwell & end of job
- leveling bolts & pads
- Chip auger & chain type chip conveyors
- Operation manuals
- Auto power off
- Spindle coolant system
- Heat exchanger
- FANUC Oi-MF Controller

Specifications		PFC-Mill CNC			
		2212 47" x 86"	2215 59" x 86"	3212 47" x 125"	3215 59" x 125"
Controller		Fanuc Oi-MF			
Distance between columns	mm	1300 (51")	1500 (59")	1300 (51")	1500 (59")
Max. table load	kg	3500 (7,700 lbs)	4000 (8,800 lbs)	4500 (9,900 lbs)	5000 (11,000 lbs)
Table dimensions (W/L)		2000x1000 (78x39")	2000x1300 (78x51")	3000x1000 (118x39")	3000x1300 (118x51")
Travels	X-axis	2200 (86.6")		3200 (125")	
	Y-axis	1200 (47.25")	1500 (59")	1200 (47.25")	1500 (59")
	Z-axis	760 (29.9")			
Spindle-table distance		200-960 (7.8-37.8")			
Spindle taper		BT 50 / CAT 50			
Speed		6000 rpm			
Spindle motor power (Continuous / 30min)		15 (20 Hp) [opt. 26 (35 Hp)]			
Work feed		8000 (315"/min)			
Rapid traverse – X/Y/Z axes		20/20/15 (787/787/590"/min)			
Minimum increment		0.001 (0.00004")			
Number of tools		0 (24/32/40)			
Max. tool diameter	Empty pockets	Ø200 (8.8")			
	Full pockets	Ø125 (4.8")			
Max. tool length		350 (13.8")			
Max. tool weight		15 (33 lbs)			
Weight		17000 (37,400 lbs)	17500 (38,500 lbs)	21000 (46,200 lbs)	22000 (48,500 lbs)
Item No.		1004101	1004102	1004103	1004104

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