



CNC moving table machining center

PFC-Mill CNC

55"-96" x 86"-244"

- 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

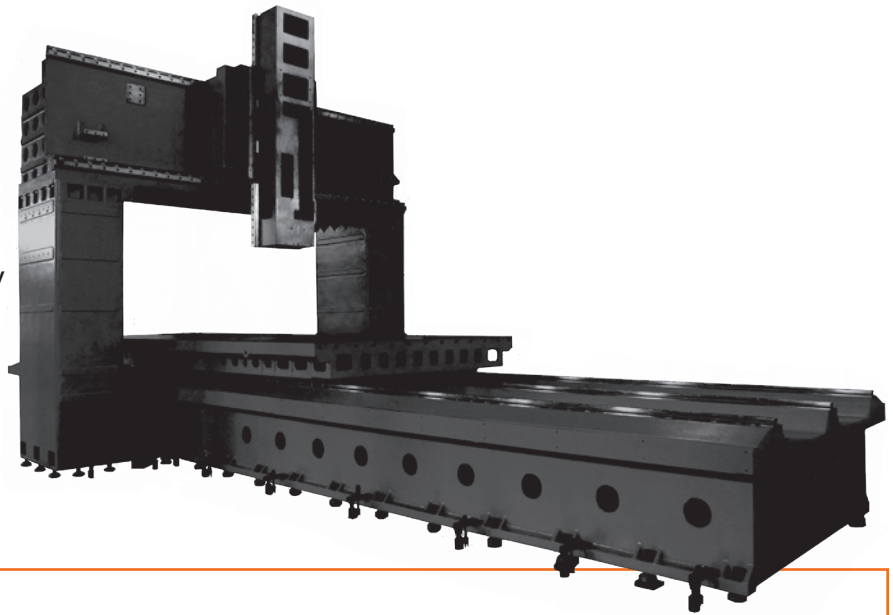
- Glass window type splash guard
- Programmable coolant system
- Automatic lubrication system
- Spindle air blast system
- Working lamp
- Alarm lamp for abnormal situations
- Indication lamp for dwell & end of job
- leveling bolts & pads
- Chip auger & chain type chip conveyors
- M.P.G
- Machine inspection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

Specifications			PFC-Mill CNC			
			2230 • 7 x 10' 2530 • 8 x 10'	2240 • 7 x 13' 2540 • 8 x 13'	2250 • 7 x 16' 2550 • 8 x 16'	2260 • 7 x 19' 2560 • 8 x 19'
Controller			Fanuc Oi-MD			
Distance between columns	22xx	mm	2600 (102")			
	25xx	mm	2800 (110")			
Max. table load	22xx	t	12 (13.22 US ton)	14 (15.43 US ton)	18 (19.84 US ton)	16 (17.63 US ton)
	25xx	t	16 (17.63 US ton)		20 (22.04 US ton)	24 (26.45 US ton)
Table dimensions (W/L)	22xx	mm	1800x3000 (86.6x118")	1800x4000 (86.8x157.5")	1800x5000 (86.8x196.8")	1800x6000 (86.8x236")
	25xx	mm	2500x3000 (98x118")	2500x4000 (98x157.5")	2500x5000 (98x198.6")	2500x6000 (98x236")
TRAVELS	X-axis	mm	3200 (124")	4200 (165")	5200 (205")	6200 (244")
	Y-axis	22xx	2600 (102.3")			
		25xx	2800 (110.25")			
Z-axis	mm	800 (31.5") [Opt. 1000/1200 (39.37/47")]				
Spindle-table distance		mm	200~1000 (7.87~39") [Opt. 200~1200, 200~1400 (7.87~47.25", 7.87~55")]			
Spindle taper			CAT 50			
Spindle speed		rpm	4000 [Opt. 6000]			
Main drive motor		kW	15/18.52 (30 min) (20/25 Hp)			
Cutting feed rate		mm/min	1~5000 (0.039~197"/min)			
Rapid traverse – X/Y/Z axes		m/min	10/10/12 (33/33/39'/min)			
Minimum increment		mm	0.001 (0.00004")			
TURRET						
Number of tools 22xx		#	40			
Number of tools 25xx		#	60			
Max. tool diameter (empty pockets)		mm	Ø125 (4.92")			
Max. tool diameter (full pockets)		mm	Ø200 (8.87")			
Max. tool length		mm	350 (13.78")			
Max. tool weight		kg	18 (39.6 lbs)			
Weight 22xx		kg	38500 (84,700 lbs)	43000 (94,600 lbs)	49000 (107,800 lbs)	50000 (110,000 lbs)
Weight 25xx		kg	43000 (94,600 lbs)	44000 (96,800 lbs)	51000 (112,200 lbs)	53000 (116,600 lbs)
Item No. 22xx			6630005	6630006	6630002	6630007
Item No. 25xx			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.



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



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
- Additional milling head, AHC 1 or 2 times
- Additional milling heads, 5-fold (including V/H 40, 60, 80 or 120-position tool changer, enlarged Y-axis travel hydraulic unit (500 mm (19.7")), 18 i-MB Control) (GIFU fire)
- Renishaw TS27R or NC4F tool measurement
- Renishaw OMP60 head
- Coolant through spindle, pressure 20 bar (290 psi)
- Air cooler for electric cabinet
- Coolant cooler
- Faster spindle motor 37 kW (50Hp) (30 min.) 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")

			PFC-Mill CNC			
Specifications			1420 • 55" x 10' 1820 • 70" x 10'	1424 • 55" x 13' 1824 • 70" x 13'	1430 • 55" x 16' 1830 • 70" x 16'	1440 • 55" x 19' 1840 • 70" x 19'
Controller			Fanuc 0i-MD			
Distance between columns	14xx	mm	1600 (63")			
	18xx	mm	2100 (82.6")			
Max. table load	14xx	t	6 (13,220 lbs)	8 (17,600 lbs)	9 (19,800 lbs)	10 (22,000 lbs)
	18xx	t	8 (17,600 lbs)	9 (19,800 lbs)	10 (22,000 lbs)	12 (26,400 lbs)
Table dimensions (W/L)	14xx	mm	1400x2000 (55x78.7")	1400x2400 (55x98.5")	1400x3000 (55x118")	1800x4000 (55x157")
	18xx	mm	1800x2000 (98x118")	1800x2400 (98x157.5")	1800x3000 (98x198.6")	1800x4000 (98x236")
TRAVELS	X-axis		1800 (86.6")	2600 (102.3")	3200 (126")	4200 (165")
	Y-axis	14xx	1600 (63")			
		25xx	2100 (83")			
Z-axis		mm	800 (31.5") [Opt. 1000/1200 (39.37/47")]			
Spindle-table distance	mm		200~1000 (7.87~39") [Opt. 200~1200, 200~1400 (7.87~47.25", 7.87~55")]			
Spindle taper			CAT 50			
Spindle speed	rpm		4000 [Opt. 6000]			
Main drive motor	kW		15/18.52 (30 min) (20/25 Hp)			
Cutting feed rate	mm/min		1~5000 (0.039~197"/min)			
Rapid traverse – X/Y/Z axes	m/min		10/10/12 (33/33/39"/min)			
Minimum increment	mm		0.001 (0.00004")			
TURRET						
Number of tools 14xx	#		24			
Number of tools 18xx	#		32			
Max. tool diameter (empty pockets)	mm		Ø125 (4.92")			
Max. tool diameter (full pockets)	mm		Ø200 (8.87")			
Max. tool length	mm		350 (13.78")			
Max. tool weight	kg		18 (39.6 lbs)			
Weight 14xx	kg		26000 (57,200 lbs)	28000 (61,600 lbs)	30000 (66,000 lbs)	33000 (72,600 lbs)
Weight 18xx	kg		27000 (59,400 lbs)	29000 (63,800 lbs)	31000 (68,200 lbs)	35000 (77,000 lbs)
Item No. 14xx			6630004	6630013	6630014	6630015
Item No. 18xx			6630016	6630017	6630018	6630019

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