



CNC moving table machining center

PFC-Mill CNC

4x7' to 6x17'



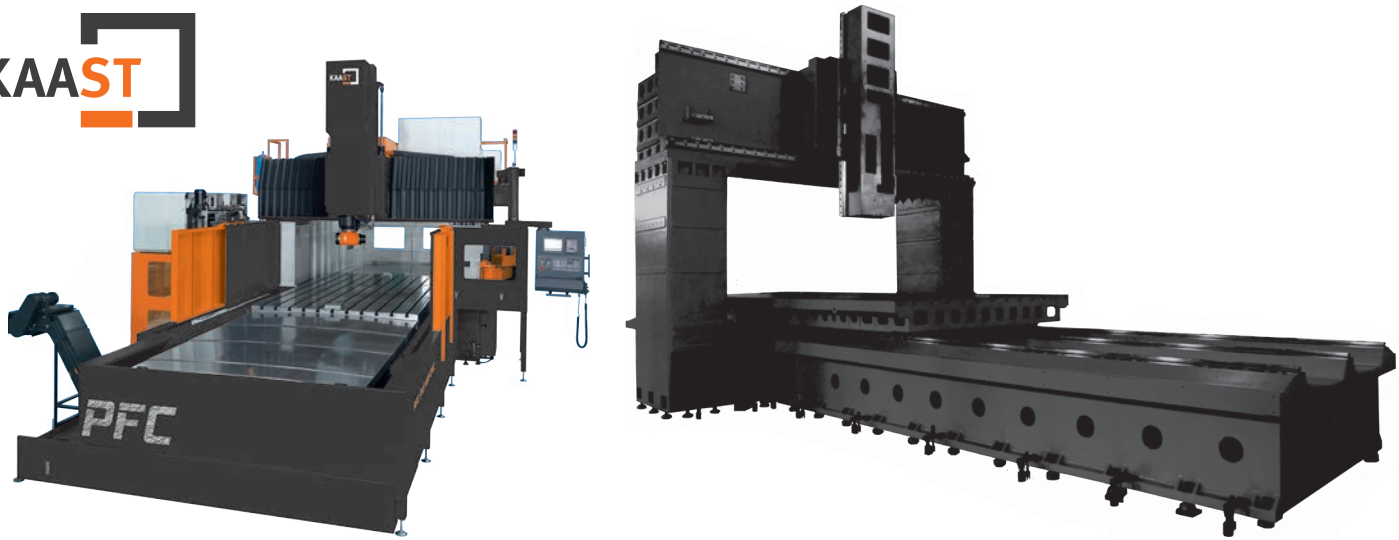
- Extremely robust and solid base frame provides great rigidity, stability and vibration-free work even with heavy duty cutting
- Rigid frame structure consisting of a solid machine bed with a large gantry
- Work piece movement in the x-axis is carried out by table movement on triple V and flat guideways

Standard configuration

- ✓ FANUC CNC 0i-MC
- ✓ ATC 24 tools, up to Ø200 mm (7.5"), length up to 400 mm (15")
- ✓ Motor-spindle (Belt type) with gearbox ZF2K (gear ratio 1:4) 6000 rpm
- ✓ Spindle and gearbox oil cooling
- ✓ Chip conveyors, 2 screw type, 1 chain type
- ✓ Foot pedal for tool change
- ✓ Coolant around the spindle
- ✓ Coolant system
- ✓ Automatic lubrication
- ✓ Rigid tapping
- ✓ Electrical handwheel (MPG)
- ✓ Work light
- ✓ Three-color warning light
- ✓ Spindle blow out function
- ✓ Air and coolant gun
- ✓ Tool kit
- ✓ Operation manual

Specifications		PFC-Mill CNC				
		15.23 4' x 7'	15.28 4' x 9'	15.33 4' x 10'	15.43 4' x 14'	15.53 4' x 17'
Controller		Fanuc Oi-MD				
Distance between columns	mm	1850 (72")				
Max. table load	kg	12000 (26,400 lbs)		13000 (28,600 lbs)		
Table dimensions (W/L)	mm	1500x2300 (58x90")	1500x2800 (58x109")	1500x3300 (58x129")	1500x4300 (58x168")	1500x5300 (58x207")
T-slots	mm	22x9x150 (9pc/0.8x5.8")			22x5x250 (5pc/0.8x5.8")	
TRAVELS	X-axis	2200 (85")	2700 (105")	3200 (124")	4200 (163")	5200 (202")
	Y-axis	1800 (70")				
	Z-axis	800 (31")				
Spindle-table distance	mm	200-1000 (8-39")			375-1175 (15-45")	
Spindle-column distance	mm	427 (16.5")				
Spindle taper		BT 50				
Spindle speed	rpm	6000				
Main drive motor	kW	18.5/22 (30 min) (25/30 Hp)				
Cutting feed rate	mm/min	5-8000 (0.2-312"/min)				
Rapid traverse - X/Y/Z axes	m/min	20/20/15 (780/780/585"/min)			15/15/15 (585/585/585"/min)	
Positioning accuracy	mm	±0.005/300 (0.0002"/12")				
Repeatability	mm	±0.003/300 (0.00015"/12")				
TURRET						
Number of tools	#	24				
Max. tool diameter (empty pockets)	mm	Ø220 (8.5")				
Max. tool diameter (full pockets)	mm	Ø125 (4.85")				
Max. tool length	mm	400 (15.5")				
Max. tool weight	kg	20 [opt. 25] (44 lbs [opt. 55 lbs])				
Dimensions (L/W/H)	mm	6400x4550x4570 (252x180x180")	7400x4550x4570 (292x180x180")	8400x4550x4570 (331x180x180")	10400x4550x4850 (410x180x191")	12400x4550x4850 (489x180x191")
Weight	kg	24000 (52,800 lbs)	27000 (59,400 lbs)	30000 (66,000 lbs)	40000 (88,000 lbs)	46000 (101,200 lbs)
Item No.		6630005	6630006	6630002	6630007	6630008

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



Cutting

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Milling
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Drilling/Boring

Grinding

Sawing

Fabricating

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			18.43	18.53	20.43 A	20.53 A
			5' x 14'	5' x 17'	6' x 14'	6' x 17'
Controller			Fanuc Oi-MD			
Distance between columns	mm		2150 (84")		2450 (95")	
Max. table load	kg		15000 (33,000 lbs)		16000 (35,200 lbs)	
Table dimensions (W/L)	mm		1800x4300 (70x168")	1800x5300 (70x207")	2000x4300 (78x168")	2000x5300 (78x207")
T-slots	mm		22x7x250 (7pc/0.8x9.8")			
TRAVELS	X-axis	mm	4200 (163")	5200 (202")	4200 (163")	5200 (202")
	Y-axis	mm	2100 (82")		2400 (94")	
	Z-axis	mm	800 (31")			
	W-axis (optional)	mm	1000 [opt. 1500] (39" [opt. 59"])			
Spindle-table distance	mm	375-1175 (15-45")				
Spindle-column distance	mm	427 (16.5")				
Spindle taper		BT 50				
Spindle speed	rpm	6000				
Main drive motor	kW	18.5/22 (30 min.) (25/30 Hp)				
Cutting feed rate	mm/min	5-8000 (0.2-312"/min)				
Rapid traverse - X/Y/Z axes	m/min	15/15/15 (585/585/585"/min)				
Positioning accuracy	mm	±0.005/300 (0.0002"/12")				
Repeatability	mm	±0.003/300 (0.00015"/12")				
TURRET						
Number of tools	#	24				
Max. tool diameter (empty pockets)	mm	Ø220 (8.5")				
Max. tool diameter (full pockets)	mm	Ø125 (4.85")				
Max. tool length	mm	400 (15.5")				
Max. tool weight	kg	20 [opt. 25] (44 lbs [opt. 55 lbs])				
Dimensions (L/W/H)	mm	10400x4850x4850 (410x191x191")	12400x4850x4850 (489x191x191")	10400x5150x4850 (410x203x191")	12400x5150x4850 (489x203x191")	
Weight	kg	43000 (94,600 lbs)	50000 (110,000 lbs)	48000 (105,600 lbs)	55000 (121,000 lbs)	
Item No.		6630009	6630010	6630011	6630012	

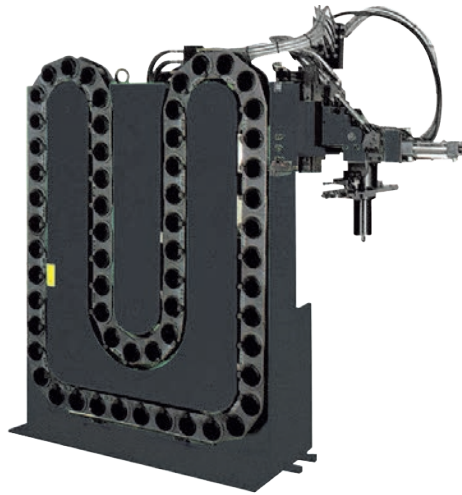
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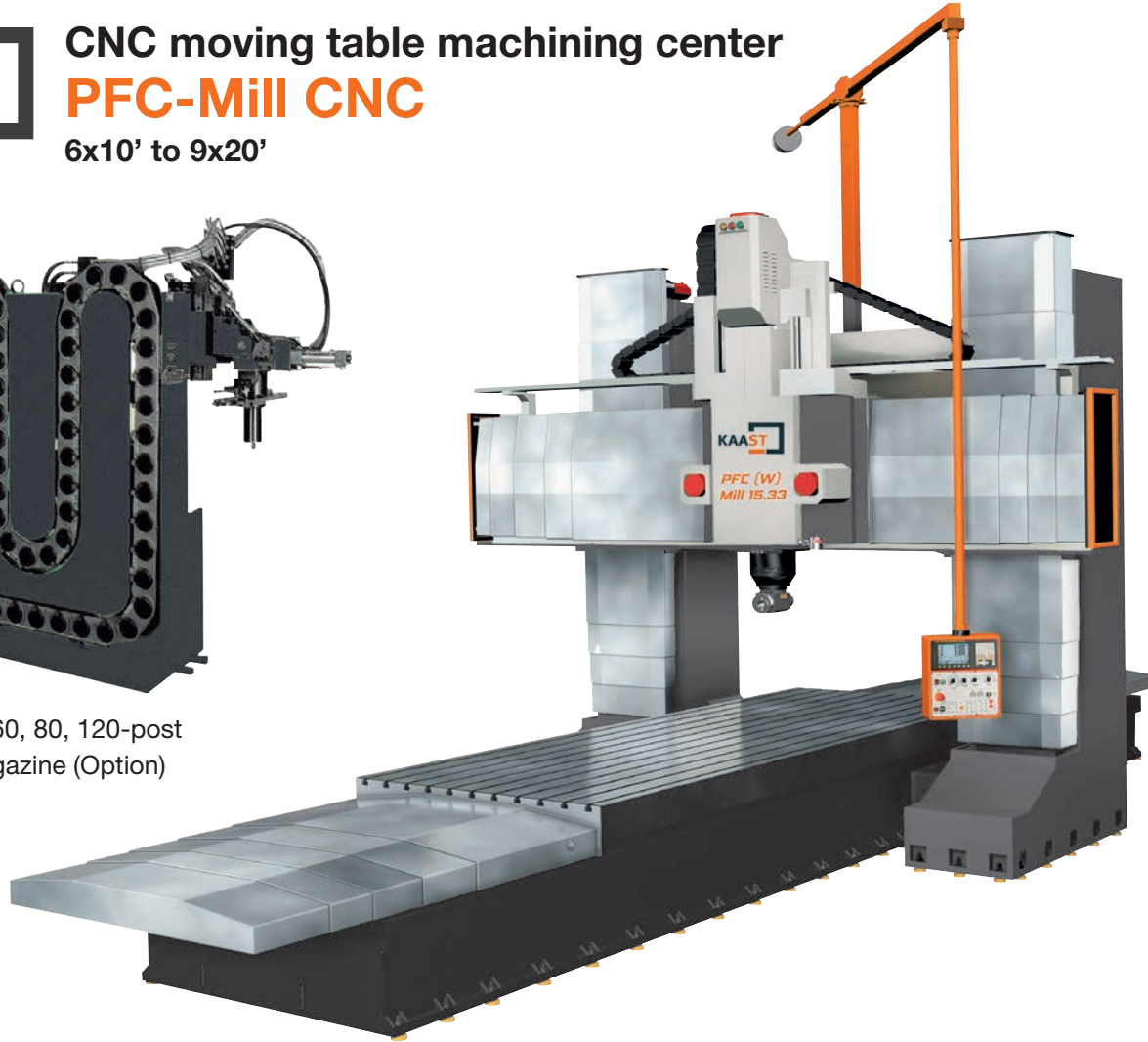
CNC moving table machining center

PFC-Mill CNC

6x10' to 9x20'

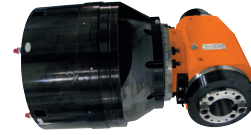


32, 40, 60, 80, 120-post tool magazine (Option)



Specifications		PFC-Mill CNC			
		20.33 6' x 10'	20.43 6' x 13'	20.53 6' x 17'	20.62 6' x 20'
Controller		Fanuc Oi-MC			
Distance between columns		mm 2450 (95")			
Max. table load		kg 20000 (44,000 lbs)			
Table dimensions (W/L)		mm 2000x3300 (78x128")	mm 2000x4300 (78x167")	mm 2000x5300 (78x206")	mm 2000x6200 (78x242")
T-slots		mm 28x11x180 (11pc/1.1x7")			
TRAVELS	X-axis	mm 3200 (124")	mm 4200 (163")	mm 5200 (202")	mm 6000 (234")
	Y-axis	mm 2400 (93")			
	Z-axis	mm 800 [opt. 1100] (31" [opt. 43"])			
Spindle-table distance		mm 300-1100 [opt. 1400] (12-43" [opt. 54"])			
Spindle-column distance		mm 435 (17")			
Spindle taper		BT 50			
Spindle speed		rpm 6000			
Main drive motor		kW 22/26 (30/35 Hp) (30 min)			
Cutting feed rate		mm/min 5-8000 (0.2-312"/min)			
Rapid traverse - X/Y/Z axes		m/min 15/15/12 (585/585/468"/min)			
Positioning accuracy		mm ±0.005/300 (0.0002"/12")			
Repeatability		mm ±0.003/300 (0.00015"/12")			
TURRET					
Number of tools		# 24			
Max. tool diameter (empty pockets)		mm Ø220 (8.5")			
Max. tool length		mm 400 (15.5")			
Max. tool weight		kg 28 [opt. 35] (60 lbs [opt. 75 lbs])			
Weight		kg 45000 (99,000 lbs)	kg 51000 (112,200 lbs)	kg 58000 (127,600 lbs)	kg 65000 (143,000 lbs)
Item No.		6630004	6630013	6630014	6630015

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Specifications		PFC-Mill CNC				
		22.33 7' x 10'	22.43 7' x 13'	22.53 7' x 17'	22.62 7' x 20'	
Controller		Fanuc Oi-MC				
Distance between columns	mm	2850 (111")				
Max. table load	kg	22000 (48,400 lbs)				
Table dimensions (W/L)	mm	2200x3300 (85x128")	2200x4300 (85x167")	2200x5300 (85x206")	2200x6200 (85x241")	
T-slots	mm	28x13x180 (13pc/1.1x7")				
TRAVELS	X-axis	mm	3200 (124")	4200 (163")	5200 (202")	6000 (234")
	Y-axis	mm	2800 (109")			
	Z-axis	mm	800 [opt. 1100] (31" [opt. 43"])			
Spindle-table distance	mm	300–1100 [opt. 1400] (12–43" [opt. 54"])				
Spindle-column distance	mm	435 (17")				
Spindle taper		BT 50				
Spindle speed	rpm	6000				
Main drive motor	kW	22/26 (30/35 Hp) (30 min)				
Cutting feed rate	mm/min	5–8000 (0.2–312"/min)				
Rapid traverse – X/Y/Z axes	m/min	15/15/12 (585/585/468"/min)				
Positioning accuracy	mm	±0.005/300 (0.0002"/12")				
Repeatability	mm	±0.003/300 (0.00015"/12")				
TURRET						
Number of tools	#	24				
Max. tool diameter (empty pockets)	mm	Ø220 (8.5")				
Max. tool length	mm	400 (15.5")				
Max. tool weight	kg	28 [opt. 35] (60 lbs [opt. 75 lbs])				
Weight	kg	51000 (112,200 lbs)	57000 (125,400 lbs)	64000 (140,800 lbs)	71000 (156,200 lbs)	
Item No.		6630016	6630017	6630018	6630019	

Specifications		PFC-Mill CNC						
		26.43 8' x 13'	26.53 8' x 17'	26.62 8' x 20'	30.43 9' x 13'	30.53 9' x 17'	30.62 9' x 20'	
Controller		Fanuc Oi-MC						
Distance between columns	mm	3250 (126")			3650 (142")			
Max. table load	kg	24000 (52,800 lbs)			26000 (57,200 lbs)			
Table dimensions (W/L)	mm	2600x4300 (101x167")	2600x5300 (101x206")	2600x6200 (101x241")	3000x4300 (117x167")	3000x5300 (117x206")	3000x6200 (117x241")	
T-slots	mm	28x15x180 (15pc/1.1x7")			28x15x200 (15pc/1.1x7.75")			
TRAVELS	X-axis	mm	4200 (163")	5200 (202")	6000 (234")	4200 (163")	5200 (202")	6000 (234")
	Y-axis	mm	3200 (124")			3600 (140")		
	Z-axis	mm	800 [opt. 1100] (31" [opt. 43"])			1100 [opt. 1400] (43" [opt. 54"])		
Spindle-table distance	mm	300–1100 [opt. 1400] (12–43" [opt. 54"])			300–1400 [opt. 1700] (12–54" [opt. 66"])			
Spindle-column distance	mm	435 (17")			473 (18")			
Spindle taper		BT 50						
Spindle speed	rpm	6000						
Main drive motor	kW	22/26 (30/35 Hp) (30 min)						
Cutting feed rate	mm/min	5–8000 (0.2–312"/min)						
Rapid traverse – X/Y/Z axes	m/min	12/12/12 (468"/min)						
Positioning accuracy	mm	±0.005/300 (0.0002"/12")						
Repeatability	mm	±0.003/300 (0.00015"/12")						
TURRET								
Number of tools	#	24						
Max. tool diameter (empty pockets)	mm	Ø220 (8.5")						
Max. tool length	mm	400 (15.5")						
Max. tool weight	kg	28 [opt. 35] (60 lbs [opt. 75 lbs])						
Weight	kg	57000 (125,400 lbs)	62000 (136,400 lbs)	68000 (149,400 lbs)	65000 (143,000 lbs)	72000 (158,400 lbs)	79000 (173,800 lbs)	
Item No.		6630020	6630021	6630022	6630023	6630024	6630025	

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