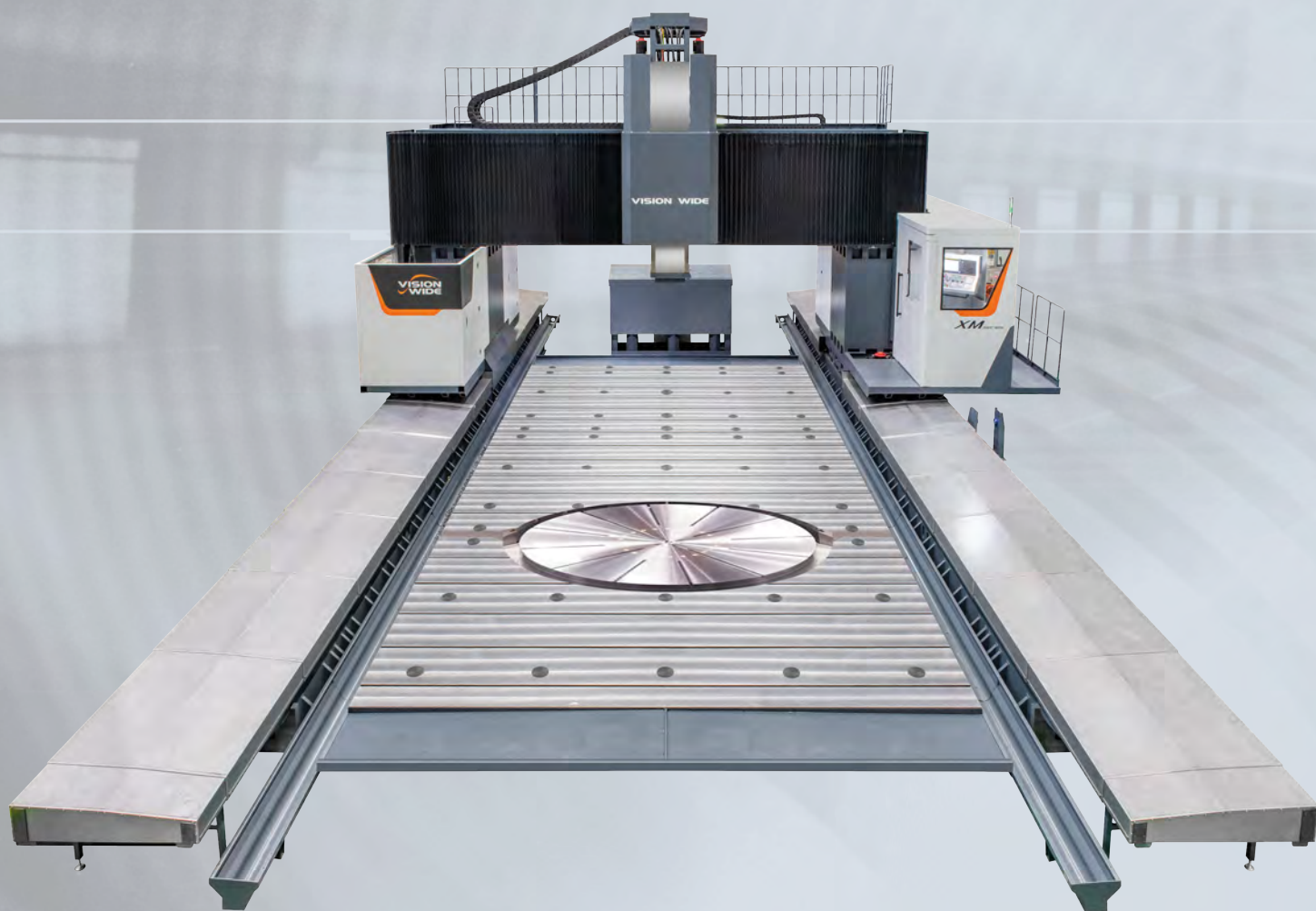


XM/XML

SERIES

Extremely Mighty Machining Center



Huge Workpiece
Machining Space.
Excellent Moving Column
Positioning Accuracy.
Fully Automatic Multi-face
Machining.

- High torque spindle with heavy cutting capability.
- Fully automatic tool changer.
- Friendly operation.
- Milling and turning compound solution.
- Straightness 0.02mm/ 20m structural machining equipment.

Multi-Angel
Machining



XM Specification

Model		Unit	XM-32	XM-37	XM-42
Travel					
X axis		mm	8,200(+1m)~60,200		
Y axis		mm	3,200	3,700	4,200
Z axis		mm	1,000 / 1,200(Opt.) / 1,400(Opt.)		
Distance from spindle nose to table	Ram size	mm	470 x 460		
	Z axis=1,000	mm	750~1,750		
	Z axis=1,200	mm	750~1,950		
	Z axis=1,400	mm	750~2,150		
Distance between columns (port width)		mm	3,100	3,600	4,100
Max. allowable workpiece width		mm	3,000	3,500	4,000
TABLE					
Dimension (W x L)		m	2.5 x 8~60	3 x 8~60	3.5 x 8~60
T-slot (Dimension x Pitch)		mm	28 x 500		
Max. table load		kg/m ²	5,000		
SPINDLE					
Spindle motor (cont./30 min rated)		kW	22 / 26		
Spindle speed	2-step gear	rpm	4,000 / 6,000(Opt.)		
	Built-in	rpm	8,000(Opt.) / 12,000(Opt.)		
Spindle taper		-	ISO NO.50		
FEEDRATE					
Cutting feedrate		mm/min	1-10,000		
Rapid traverse(X/Y/Z)		m/min	20 / 20 / 12		
X,Y,Z power capacity		kW	X:4.5, Y:7 , Z:5.5		
ATC					
ATC capacity		pcs	32 / 40(Opt.) / 60(Opt.)		
Max. tool weight		kg	18		
Tool size (Full tools)		mm	Φ125		
Max. Tool size(next pockets empty)		mm	Φ215		
Tool shank		-	ISO NO.50		
Pull stud		-	P50T-1		
OTHER					
Electric power consumption		kVA	60		
Pneumatic input pressure		kg/cm ²	6		
Max. floor space (LxWxH)*		m	16.5 x 8.96 x 5.94	16.5 x 9.46 x 5.94	16.5 x 9.96 x 5.94

* This floor space is X axis travel 8,200mm

* For details, please refer to Machine Specification.

* The manufacture reserves the right to modify the design, specifications mechanism, etc.

XML Specification

Model		Unit	XML-37	XML-42	XML-47	XML-57
Travel						
X axis			8,200(+1m)~60,200			
Y axis		mm	3,700	4,200	4,700	5,700
Z axis		mm	1,500 / 1,800(Opt.) / 2,000(Opt.) / 2,200(Opt.)			
Distance from spindle nose to table	Ram size	mm	580 x 580			
	Z axis=1,500	mm	850~2,350			
	Z axis=1,800	mm	850~2,650			
	Z axis=2,000	mm	850~2,850			
	Z axis=2,200	mm	850~3,050			
Distance between columns (port width)		mm	3,800	4,300	4,800	5,800
Max. allowable workpiece width		mm	3,700	4,200	4,700	5,700
TABLE						
Dimension (W x L)		m	3 x 8~60	3.5 x 8~60	4 x 8~60	5 x 8~60
T-slot (Dimension x Pitch)		mm	28 x 500			
Max. table load		kg/m ²	5,000			
SPINDLE						
Spindle motor (cont./30 min rated)		kW	22 / 26			
Spindle speed	2-step gear	rpm	4,000 / 6,000(Opt.)			
	Built-in	rpm	8,000(Opt.) / 12,000(Opt.)			
Spindle taper		-	ISO NO.50			
FEEDRATE						
Cutting feedrate		mm/min	1-10,000			
Rapid traverse(X/Y/Z)		m/min	20 / 20 / 12			
X,Y,Z power capacity		kW	X:4.5x4; Y:7; Z:5.5			
ATC						
ATC capacity		pcs	32 / 40(Opt.) / 60(Opt.)			
Max. tool weight		kg	18			
Tool size (Full tools)		mm	Φ125			
Max. Tool size(next pockets empty)		mm	Φ215			
Tool shank		-	ISO NO.50			
Pull stud		-	P50T-1			
OTHER						
Electric power consumption		kVA	60			
Pneumatic input pressure		kg/cm ²	6			
Max. floor space (LxWxH)*		m	17 x 10 x 6.74	17 x 10.5 x 6.74	17 x 11 x 6.74	17 x 12 x 6.74

* This floor space is X axis travel 8,200mm

* For details, please refer to Machine Specification.

* The manufacture reserves the right to modify the design, specifications mechanism, etc.

Standard Accessory & Function

1. Fanuc 0iMF CNC
2. 4,000rpm 2-step gear type spindle
3. Spindle and Gear box cooling system
4. Z axis travel
XM: 1,000mm
XML: 1,500mm
5. X axis dual linear scale / Z axis linear scale
6. Z-axis Enclosed box ram type (XML series only)
7. Y-axis ball screw support device
8. ATC 32T
9. Centralized auto lubrication system
10. Independent lubrication oil collector
11. Air blast through spindle
12. Wash gun and pneumatic interface
13. Cutting fluid cooling system
14. Four piece sheet metal guard
15. Wireless handwheel
16. Operation Room
17. Screw type chip conveyor on table sides
18. Caterpillar type chip conveyor
19. Air conditioning for electrical cabinet
20. Working lamp
21. Operation cycle finish and alarm light
22. Footswitch for tool clamping
23. RJ45 interface
24. XYZaxis travel hard limits protection
25. Auto power off function
26. Spindle cutting load software protection
27. Remote monitoring software-standard (CNC TalkBox)
28. Vision Wide FX graphical user interface (FANUC)
29. Foundation pads and bolts kits
30. Adjustment tool and tool kits
31. Technical manuals



Optional Accessory & Function

1. FANUC 31iB controller
2. HEIDENHAIN TNC640 controller
3. SIEMENS 840D controller
4. 6,000rpm 2-step gear type spindle
5. 8,000rpm / 12,000rpm Built-in spindle
6. Z axis travel
XM: 1,200/ 1,400 mm
XML: 2,000/ 2,200mm
7. Y axis linear scale feedback
8. Without Tool magazine
9. Vertical type tool magazine 40/ 60 tools
10. Vertical-horizontal type tool magazine 32/ 40/ 60 tools
11. Coolant through spindle system 20/ 70bar.
12. Oil skimmer
13. Oil mist cooling device
14. Spindle ring cutting coolant device
15. Z-axis retract function at power failure
16. Helical bladed screw conveyor on table sides
17. Chip cart
18. Sub working table
19. Auto tool length measurement
20. Auto workpiece coordinate measurement
21. Interface reserved for fourth axis
22. Transformer
23. AC attached head
24. Multi-heads magazine
25. Anti-collision and proecess simulation software
26. Remote monitoring software-professional

