

# HM3400

(for North America)



## 5-face machining in a single chucking!

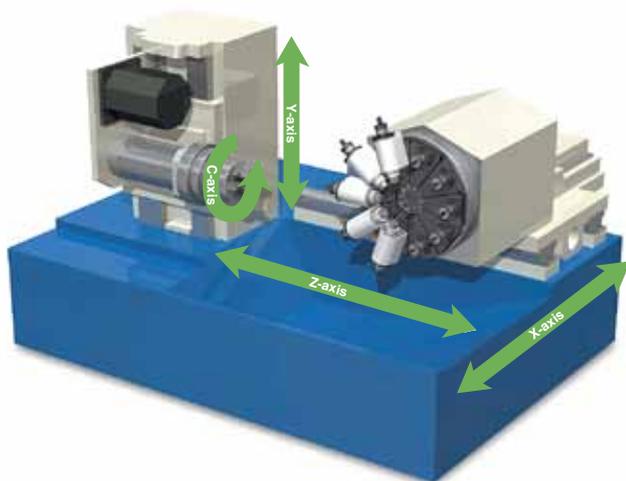
This milling cell controls 4 axes simultaneously to perform 5-face machining in a single chucking. Improve your automation system with FUJI's advanced technology.



Above photos include options.

### 5-face machining via 4-axis (X/Y/Z/C) control

Simultaneous 4-axis control makes 5-face machining possible in one chucking.



### Superior chip flow

The machining position is directly above a large chip receptacle at the bottom of the machine. Chips fall directly from the machining position into the chip receptacle, and are effectively transported away by a dedicated chip conveyor.



### Original technology supports automated system

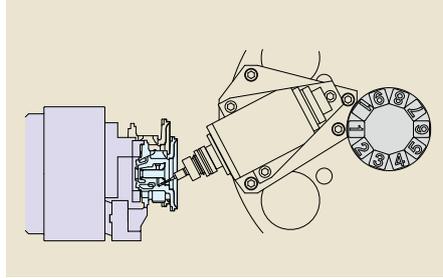
### Live tool spindles mounted on a turret

Axial and radial holders can be freely attached anywhere on the turret, as needed.



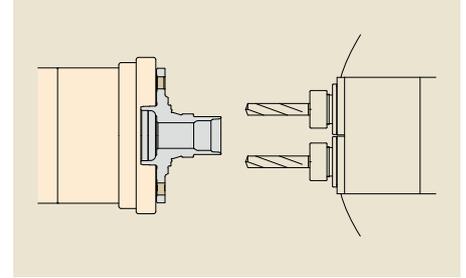
### Angular hole machining

Placement of axial holder diagonally creates a B-axis on the machining center for machining angular holes.



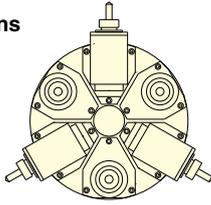
### Multi spindle head capability.

Multi spindle head capable of processing two holes at the same time.

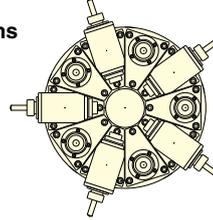


### Turret selectable from 10 positions, 6 positions and 15 positions (SM22)

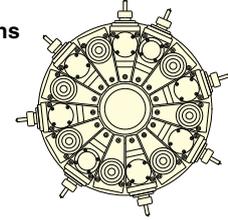
#### • 6 positions



#### • 10 positions



#### • 15 positions



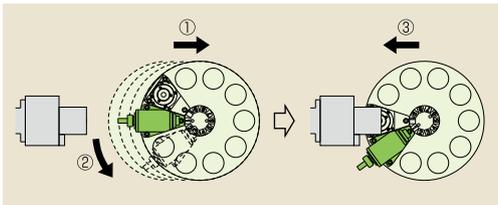
	SM22-6
Number of tools	6
Live tool speed	Max.3200min <sup>-1</sup>
Live tool spindle motor	3.7/5.5kw [5/7.5hp]
Max. output	5.5kw [7.5hp]
Collet size	40mm [1.5"]
Max.clamping tool dia.	ø25mm [ø1.0"]

	SM22-10
Number of tools	10
Live tool speed	Max.5000min <sup>-1</sup>
Live tool spindle motor	3.7/5.5kw [5/7.5hp]
Max. output	3.7kw [5hp]
Collet size	32mm [1.25"]
Max.clamping tool dia.	ø20mm [ø0.8"]

	SM22-15
Number of tools	15
Live tool speed	Max.5000min <sup>-1</sup>
Live tool spindle motor	3.7/5.5kw [5/7.5hp]
Max. output	3.2kw [4.5hp]
Collet size	25mm [1.0"]
Max.clamping tool dia.	ø16mm [ø0.6"]

### Optimized non cutting time Reduced Chip to Chip Time

No need to move to the machine home position to index tool turret.  
You can index the tool turret with minimum saddle retract distance.



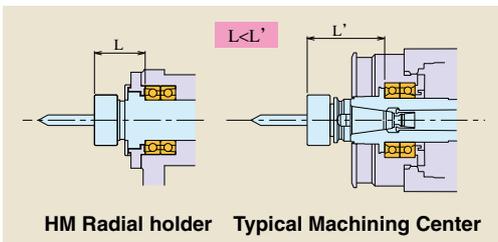
### Specifications for HM series

#### Machine Specifications

Recommended work size			HM34 / 3400
C-axis Spindle dia.	mm [ inch ]	ø200 X 120 [7.9 X 4.7]	
C-axis Spindle nose	mm [ inch ]	ø80 [3.15]	
Number of tool stations		A2-6	
Turret index time		6, 10, 15	
Turret mechanism	sec	1.5	
Chuck size		Three piece coupling	
CNC control	inch	10	
Slide stroke		FANUC 210 0i-MB	
Feed motor	X-axis	mm [ inch ]	275 [10.83]
	Z-axis	mm [ inch ]	400 [15.75]
	Y-axis	mm [ inch ]	230 [9.06]
	X-axis	kw [ hp ]	3.0 [4.0]
Z-axis	kw [ hp ]	3.0 [4.0]	
Y-axis	kw [ hp ]	3.0 [4.0]	
C-axis	kw [ hp ]	4.0 [5.4]	

### Higher tool rigidity

Tool length to turret center line is reduced when compared to Typical Machining Center.



HM Radial holder Typical Machining Center

#### Robot Specifications

Robot	L292-H	L673-H
Carrying capacity	kg [ lbs ]	5+5 [11+11]
Robot controller		MAX SP1

#### Machine Size

	1750 X 2085 [5'9" X 6'10"]	1750 X 1800 [5'9" X 5'11"]
Footprint	mm X mm [ feet, inch X feet, inch ]	2830 [9'3"]
Machine height	mm [ feet, inch ]	4500 [9900]
Machine weight	kg [ lb. ]	4500 [9900]

Specifications are subject to change without notice.