



MT-1400.1600

Vertical Machining Center



- One-piece oil / water separator design
- 3 axes high rigid roller type linear guide ways
- Rapid travel 24/24/20 m/min
- One-piece casting design with wide base

- High rigidity & wide span column structure
- A long size of box type saddle
- Built-in twin screw type chip conveyors



SPECIFICATION

Model		MT-1400	MT-1600
TRAVEL	Unit		
X-axis Travel	mm	1,400	1,600
Y-axis Travel	mm		750
Z-axis Travel	mm		700
Distance From Spindle Nose To Table Surface	mm	200-900	

SPINDLE			
Spindle Speed	rpm	Gear 7,000	
Spindle Motor	KW	11/15	
Spindle Nose		BT50	

TABLE			
Table Dimension	mm	1,600x800	1,800x800
Table Size (WidthxNo.xPitch)		22x5x160	
Max. Table Load	kg	1,200	1,500

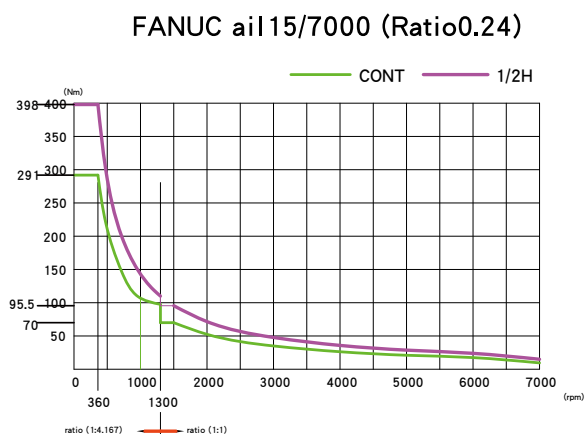
RAPID TRAVERSE		
Rapid Travel (X/Y/Z)	m/min	24/24/20
Cutting Speed Rate	m/min	1-20
Feed Motor (X/Y/Z)	kw	4.0/7.0/4.0

TOOL MAGAZINE		
Tool Change Type	Type	Arm
Tool Capacity	set	24
Max. Tool Weight	kg	15
Max. Tool Length	mm	300
Max. Tool Diameter	mm	105 / 220 (Without adjacent tools)

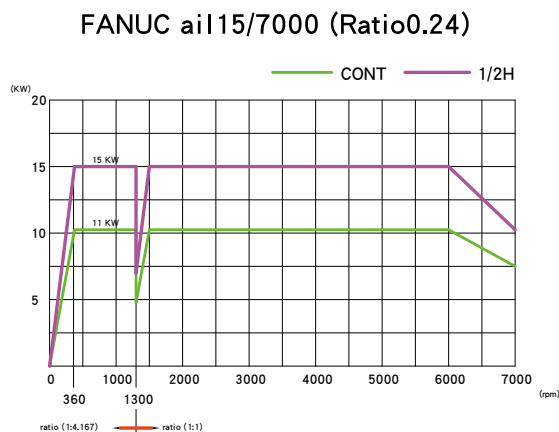
OTHERS			
Compress Air Supply	kgs/cm ²	6	
Machine Size (LXWXH)	mm	5450x3720x3220	5750x3720x3220
Net Weight	kgs	14,000	15,000
Gross Weight	kgs	15,000	16,000

Cutting Capability	Controller	Oi-MF
	Spindle Speed	7000 rpm
	Spindle Motor (Cont./30min)	11 / 15 kw
	Spindle Type	Gear
	Rapid Travel (X/Y/Z)	24/24/20
	Max. Speed of Rigid Tapping	3000 rpm
	Max. Drilling (mm x mm / rev)	S50C D50 x 0.5
	Max. Tapping (mm)	S50C M42x4.5
	Face Milling Cutting Removal Rate	S50C 840 C.C.
	Cutting Parameter (Cut WidthxDepthxFeed)	100x7x1200

▶ Spindle Torque Chart



▶ Spindle Power Chart



▶ Standard Equipment

- Gear head 7000 rpm
- Alarm lamp
- Arm type 24 tool
- Leveling bolts and pads
- MAS BT-50
- Tool box
- Spindle oil cooler
- Heat exchanger cabinet
- Air blast through spindle
- Front mounted screw type chip conveyor
- MPG handwheel
- One year mechanical parts warranty
- Side flush system
- Full enclosure
- Work light

▶ Optional Equipment

- Siemens 828D
- Chip conveyor
- Mitsubishi M80
- Tool length measurement system
- Belt head 8000 rpm
- Air blast
- Arm type 32 Tool
- 3 axes linear scale
- CAT-50
- 4th Axis (CNC control table)
- Coolant through spindle
- 5th Axis (4th axis and rotary axis)



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