



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 |

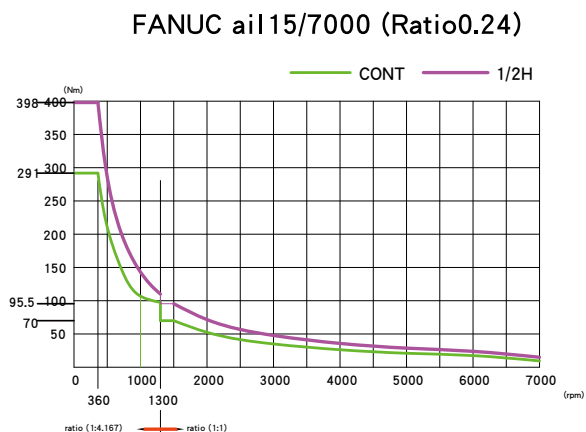
| RAPID TRAVERSE | | |
|-----------------------|-------|-------------|
| Rapid Travel (X/Y/Z) | m/min | 24/24/20 |
| Cutting Speed Rate | m/min | 1-20 |
| Feed Motor (X/Y/Z) | kw | 4.0/7.0/4.0 |

| 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) |

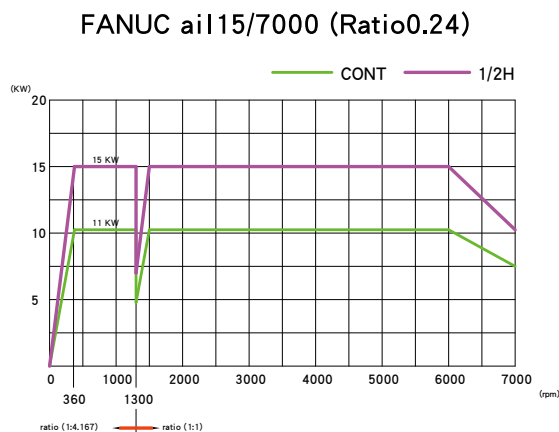
| OTHERS | | | |
|----------------------|---------------------|----------------|----------------|
| Compress Air Supply | kgs/cm ² | 6 | |
| Machine Size (LXWXH) | mm | 5450x3720x3220 | 5750x3720x3220 |
| Net Weight | kgs | 14,000 | 15,000 |
| Gross Weight | kgs | 15,000 | 16,000 |

| 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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