

Trust & Technology



ISO 9001 ISO 14001 CE  
A Worldwide Tradition of Quality Products and Customer Service

# Vertical Machining Center TMV-1600A

High ■Quality ■Precision ■Efficiency ■Economy



▲Option Controller panel

Tongtai Machine & Tool Co., Ltd.

# TMV-1600A Standard Specifications

| Item    | Specification                         | Unit   | TMV-1600A                |
|---------|---------------------------------------|--------|--------------------------|
| TABLE   | Working Area (LxW)                    | mm     | 1700x850                 |
|         | Max Load Capacity                     | kg     | 2000                     |
|         | Table Height From Floor               | mm     | 950                      |
|         | T-Slot (Size×No.)                     | mm     | 18x6                     |
| SPINDLE | Spindle Nose                          |        | 7/24 Taper No.50         |
|         | Spindle Speed                         | rpm    | 3500 (Gear) / 6000(Belt) |
|         | Spindle Bearing Diameter              | mm     | Ø100                     |
| TRAVEL  | X/Y/Z Axis Stroke                     | mm     | 1600/800/700             |
|         | Spindle Nose to Table                 | mm     | 200-900                  |
| FEED    | X/Y/Z Rapid Traverse                  | m/min  | 15/15/12                 |
|         | Cutting Feedrate                      | mm/min | 0-5000                   |
| ATC     | Tool Shank                            |        | BT50                     |
|         | Tool Capacity                         | pc     | 32                       |
|         | Max. Tool Diameter                    | mm     | Ø125                     |
|         | Max. Tool Diameter(w/o Adjacent Tool) | mm     | Ø230                     |
|         | Max. Tool Length                      | mm     | 300                      |
|         | Max. Tool Weight                      | kg     | 15                       |
| MOTOR   | Spindle Motor(50% ED)                 | kw     | 15/11 (Opt. 18.5/15)     |
|         | X/Y/Z Servo Motor                     | kw     | 4.0/4.0/7.0              |
|         | Coolant Motor                         | kw     | 0.37x1                   |
| MACHINE | L x W x H                             | mm     | 3440x4250x3290           |
|         | Weight                                | kg     | 15000                    |

## Standard Accessories

- Working Light
- Rigid Tapping
- Spindle Load Meter
- Coolant Unit
- Manual Pulse Generator
- FANUC Oi-M
- Spindle Cooler

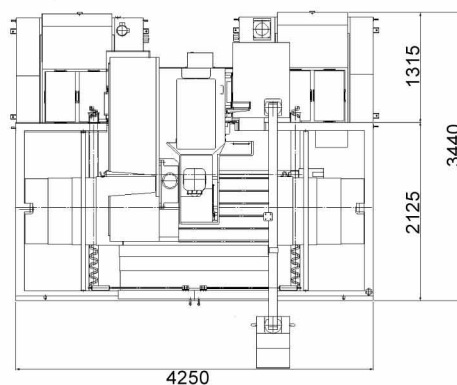
## Option Accessories

- Coolant Through Spindle with High Pressure Coolant Pump(15 bar)
- Full Splash Guard
- Transformer
- 2 Chip Conveyor and Tank
- Sub Table
- Z-Axis Column Spacer 200 mm
- Tool Breakage Detection
- Tool Length Measuring
- Linear Scale
- NC Rotary Table
- M-code Output
- FANUC 31i

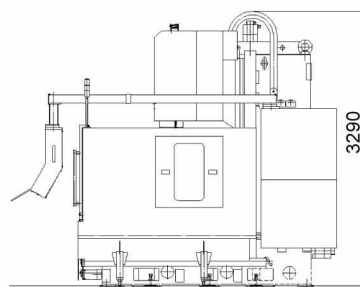
©SPECIFICATIONS MAY BE CHANGED WITHOUT PRIOR NOTICE

## Machine Dimensions

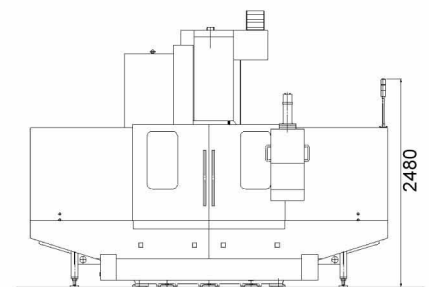
■ Top view



■ Side view



■ Front view



## Tongtai Machine & Tool Co., Ltd.

• HEAD OFFICE  
NO.3, LUKE 3rd. RD., LUZHU DISTRICT, KAOHSIUNG CITY, 82151, TAIWAN.  
TEL : 886-7-9761588 FAX : 886-7-9761589/886-7-9761590  
Website : <http://www.tongtai.com.tw>

• TAOYUAN OFFICE TEL : 886-3-4551399 FAX : 886-3-4559730  
• TAICHUNG OFFICE TEL : 886-4-23589313 FAX : 886-4-23588913  
• TONGTAI SEIKI U.S.A INC. TEL : 1-845-2675500 FAX : 1-845-2675546  
• Tongtai Machine & Tool Japan Co., Ltd TEL : 81-4-71438355 FAX : 81-4-71438360  
• TONGTAI SEIKI VIETNAM LIMITED TEL : 84-435112529  
• EUROPE OFFICE TEL : 31-161-454639 FAX : 31-161-454768  
• THAILAND OFFICE TEL : 66-2-7443440 FAX : 66-2-3986518  
• INDONESIA OFFICE TEL : 62-21-45850521 FAX : 62-21-45840522  
• MALAYSIA OFFICE TEL : 60-3-78456815 FAX : 60-3-78456851

• CHINA OFFICE  
SHUZHOU TONG-YU MACHINE & TOOL CO., LTD.  
TEL : 86-512-63430168 FAX : 86-512-63431622  
E-mail : [sales@tong-yu.com.cn](mailto:sales@tong-yu.com.cn)

• WUHAN OFFICE TEL : 86-27-59409109 FAX : 86-27-59409110  
• SHANGHAI OFFICE TEL : 86-21-24208138 FAX : 86-21-34073262  
• CHONGQING OFFICE TEL : 86-23-67865925 FAX : 86-23-67867717  
• GUANGZHOU OFFICE TEL : 86-755-27222119 FAX : 86-755-27222115  
• TIANJIN OFFICE TEL : 86-22-24417640 FAX : 86-22-24417638