



## Machine parts









Oil system Convenient to lubricate machine, long lifespan

Leadshine stepper motor

DSP controller

Aluminum table with PVC









BEST inverter

HQD air cooled spindle

High quality TBI ball screw

Double bags dust collector









High accuracy slider

High soft shielding wire Small interference with inverter

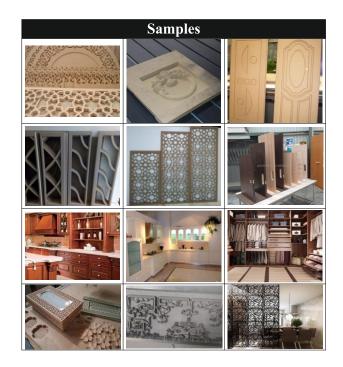
Popular Omron limit switch

Level test to test the precision when building



## **Product Features**

- 1. Entire steel frame structure, high temperature to make the frame regain the same steel feature of high strength, ensure the bed undeforable.
- 2. Gantry movement style structure, scientific and reasonable table design. Optional automatic oil lubrication system, free maintenance.
- 3. The X-axis and Y-axis are transmitted by the imported gear and rack with high precision. Running more stable and quiet with high speed and great power.
- 4.The Z-axis is driven by the ball bearing screw rod with original screw nut of European brand. Its travel is up to 200mm.
- 5. The large-scale straight-liner square guiding track is imported from Taiwan with high steel feature.



| Model                        | MTR 1325   | MTR 1530   |
|------------------------------|--|--|
| X, Y Working size            | 1300*2500mm                                      | 1500*3000mm                                      |
| Z feed Height                | 200mm  | 200mm  |
| Table Surface                | T-slot (Option: Vacuum table)                    | T-slot (Option: Vacuum table)                    |
| X, Y Structure               | Rack and Pinion, Taiwan Linear Square Guide Rail | Rack and Pinion, Taiwan Linear Square Guide Rail |
| Z Structure                  | Taiwan Linear Square Guide Rail and Ball Screw   | Taiwan Linear Square Guide Rail and Ball Screw   |
| Max. Power Consumption       | (Without spindle) 2.0Kw                          | (Without spindle) 2.0Kw                          |
| Max. Rapid Travel Rate       | 33000mm/min                                      | 33000mm/min                                      |
| Max. Working Speed           | 25000mm/min                                      | 25000mm/min                                      |
| Spindle Power                | 6 KW air cooling spindle                         | 6 KW air cooling spindle                         |
| Spindle Speed                | 0-24000RPM                                       | 0-24000RPM                                       |
| Drive Motors                 | Easy servo motor and driver                      | Easy servo motor and driver                      |
| Working Voltage:             | AC220V or 380V /50/60Hz                          | AC220V or 380V /50/60Hz                          |
| Command Language             | G code   | G code   |
| Control System               | DSP  | DSP  |
| X,Y,Z repositioning Accuracy | ±0.01mm  | ±0.01mm  |
| X,Y Resolution               | <0.01mm  | <0.01mm  |
| Software                     | Artcam   | Artcam   |
| Running Temperature          | 0 degree - 45 degree                             | 0 degree - 45 degree                             |
| Relative Humidity            | 30% - 75%  | 30% - 75%  |
| Optional Parts               | Air cooling spindle                              | Air cooling spindle                              |
|                              | Rotary system,                                   | Rotary system,                                   |
|                              | Vacuum table                                     | Vacuum table                                     |
|                              | Panasonic / Yaskawa Servo motors                 | Panasonic / Yaskawa Servo motors                 |