

T200L

9 Axis CNC Laser & Conventional Machining Centre

**Next-Generation Precision | Dual-Technology Innovation |
Maximum Efficiency**



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Equipment Features

1. **Dual-Technology CNC Powerhouse**

The T200L seamlessly combines state-of-the-art **laser technology** with a **conventional high-torque spindle head** — all in one robust machining centre.

2. **Premium Italian 9kW Electro-Spindle**

High-performance HSD spindle (motor system S6) delivers unmatched torque and machining quality across a range of profiles.

3. **Smart Handling with Servo Precision**

Equipped with a **servo-driven turntable** and **four independently controlled servo clamps** for flawless positioning and consistent output.

4. **Engineered for Speed & Versatility**

Ideal for aluminium (up to 3mm) and steel profiles (up to 2mm), processed at speeds of up to **5m/min**. Includes a **1.6MPa high-pressure air compressor** and **cooling station** as standard.

5. **Multi-Function Machining in One Cycle**

Handles **milling, drilling, chamfering, grooving** and more — all with millimetre-perfect accuracy and in a single pass.

6. **Adjustable Rotating Worktable**

Offers full rotation from **+90° to -90°**, enabling maximum flexibility for complex tasks.

7. **Built-In Operator Safety**

Auto lift-up safety cover offers optimal protection without compromising accessibility.

8. **Automatic Tool Changer**

Integrated 6-position magazine (hidden design) with six tool holders included — ensuring seamless transitions between tasks.

9. **User-Friendly Industrial PC**

Windows-based interface ensures intuitive operation, real-time monitoring, and quick job setup.

10. **Smart ERP Connectivity**

Integrated barcode scanning and ERP link for **automatic job execution and workflow efficiency**.

11. **Noise & Vibration Dampening**

Double-layer shock-absorbing fixtures ensure stability even during high-speed, intricate profile processing.

12. **Self-Lubricating System**

Automatic lubrication for both guide rails and ball screws maximises machine lifespan and keeps performance consistent.

13. **Chip Bin Included**

Integrated waste management keeps your workspace clean and maintenance efficient.

14. **Extended Profile Capacity**

Engineered to handle **extra-long profiles** with ease and precision.

15. **Left & Right Stop Referencing**

Dual-end stop system guarantees repeatable positioning for maximum accuracy.

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Technical Specifications

- **Power Supply:** 3N~50Hz 380V (customisable)
- **Total Power:** 27kW
- **Air Pressure:** 0.5–0.8 MPa
- **Air Consumption:** 50L/min
- **Spindle Power:** 9.0kW
- **Tool Holders:** 6 positions (optional upgrades available)
- **Max Profile Height:** 200mm
- **Max Profile Width:** 200mm
- **Max Profile Length:** 4000mm
- **Max Axis Speeds:**
 - X-Axis: 97.5m/min
 - Y-Axis: 30m/min
 - Z-Axis: 30m/min
- **Machine Dimensions (L×W×H):** 5300 × 2200 × 2000mm
- **Weight:** 3000kg

Main Components Top-Tier Global Brands)

- **CNC System:** PA (Germany)
- **Servo Motors:** Mitsubishi (Japan)
- **Reducers / Rack:** APEX (Taiwan)
- **Spindle / Electro-Spindle:** HSD & Olispeed (Italy)
- **Square Rails:** HIWIN (Taiwan)
- **Ball Screws:** PMI (Taiwan)
- **Electrical Components:** Schneider (France)
- **Air Cylinders / Valves / Tubing:** AirTAC & ASHUN (Taiwan)
- **Terminals:** Weidmüller (Germany)

Standard Inclusions

- **Official Certificate** – 1 pc
- **Operation Manual** – 1 pc

Optional Add-ons

- **Right-Side Reference Point** – 1 pc
- **End Milling Function** – 1 pc
- **Barcode Scanner** – 1 pc

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