

Cutting into the future

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

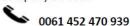
Engineered to handle extra-long profiles with ease and precision.

15. Left & Right Stop Referencing

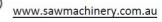
Dual-end stop system guarantees repeatable positioning for maximum accuracy.



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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:

o X-Axis: 97.5m/min o Y-Axis: 30m/min o Z-Axis: 30m/min

Machine Dimensions (L×W×H): $5300 \times 2200 \times 2000$ mm

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

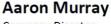
Operation Manual – 1 pc

Optional Add-ons

Right-Side Reference Point – 1 pc

End Milling Function – 1 pc

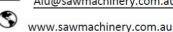
Barcode Scanner – 1 pc



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