

Serial No: 1

Name: Intelligent machining center

Model: Emerald T140A/T140



Specialized for Aluminum Profiles Machining

Rotatable Worktable: Capable of milling three sides in a single clamping process.

User-Friendly Operation:

- 1.No skilled workers required. Features software connectivity and automatic data loading via barcode scanning.
- 2.Includes a standard graphics library for direct import of designs to generate machining programs.

<u>High Efficiency</u>: Equipped with a 9.5kW Italian electric spindle, delivering high torque. The milling efficiency is twice that of a standard drilling and milling machine and eight

times that of a conventional copy milling machine.

<u>Simplified Process:</u> Features an automatic tool changer with a standard 6-position tool magazine.

<u>Unique Chip Removal Design:</u> Equipped with a bottom chip tray for a cleaner workspace. Enhanced Safety: Enclosed protective cover with automatic lifting, ensuring high safety standards.

<u>Double-Layer Shock-Absorbing Clamps:</u> Facilitates machining of irregular profiles, reducing vibration and noise. Includes four clamps.

<u>Automatic Lubrication</u>: Comes standard with a guide rail and screw automatic lubrication system, extending the machine's service life.



Product Information

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Tool Management System: Includes a tool life management system with automatic replacement reminders.

<u>Maintenance Alerts:</u> Standard automatic maintenance reminders help identify potential issues early, improving equipment utilization.

<u>Production and Equipment Monitoring:</u> Features capacity statistics and real-time monitoring of equipment status and time usage. Ensures controllable delivery schedules, reduced inventory, and improved cash flow utilization.

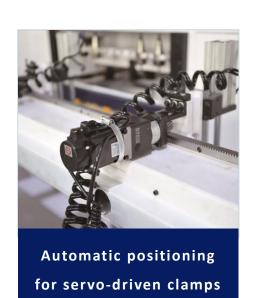
<u>Remote Service Capability:</u> Supports remote maintenance, servicing, and training, saving service time, minimizing downtime, and reducing dependence on skilled workers.

<u>Worktable Automation:</u> A servo motor drives the worktable for automatic rotation, completing three-sided milling in one clamping.

<u>Automatic Clamp Adjustment:</u> Servo-driven automatic positioning of clamps saves time and labor.









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Product Specification

Machining Parameters	Parameter Value
Max.processing length	3,200mm
Processing profile width	150mm
Processing profile height	150mm
Machining direction	3 (top, rear, front)

Machining Precision	Parameter Value
Positioning accuracy	± 0.1 mm
Repeated positioning accuracy	± 0.02 mm

Technical Parameters	Parameter Value
Tool Magazine	6
Clamp	3/4
Spindle	9.6KW
X-Axis Travel speed	0~97.5 m/min
Y-Axis Travel speed	0~30 m/min
Z-Axis Travel speed	0~30 m/min
X-axis traverse path	3,200mm
Y-axis traverse path	400mm
Z-Axis traverse path	300mm

LEADCNC Machinery Co., Ltd

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General Parameters	Parameter Value
Machine size (L×W ×H)	4,700×2,200×2,000mm
Machine weight	3,000KG
Air pressure	0.5-0.8MPa
Air consume	380~415V 50HZ, 11KW
Air consumption perminute approx	40L

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