



LEADCNC

Serial No: 1

Name: Intelligent machining center

Model: Emerald T140A/T140

## Product Information



### **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.

**High Efficiency:** 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.

**Simplified Process:** Features an automatic tool changer with a standard 6-position tool magazine.

**Unique Chip Removal Design:** Equipped with a bottom chip tray for a cleaner workspace.

**Enhanced Safety:** Enclosed protective cover with automatic lifting, ensuring high safety standards.

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

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



LEADCNC

Serial No: 1

Name: Intelligent machining center

Model: Emerald T140A/T140

## Product Information

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

**Maintenance Alerts:** Standard automatic maintenance reminders help identify potential issues early, improving equipment utilization.

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

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

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

**Automatic Clamp Adjustment:** Servo-driven automatic positioning of clamps saves time and labor.



Spindle



Tool storage magazine



Automatic positioning  
for servo-driven clamps



LEADCNC

Serial No:1

Name: Intelligent machining center

Model: Emerald T140A/T140

# 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	$\pm 0.1$ mm
Repeated positioning accuracy	$\pm 0.02$ 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**

[www.leadcnc.com](http://www.leadcnc.com)

The right to make technical alterations is reserved.



LEADCNC

Serial No: 1

Name: Intelligent machining center

Model: Emerald T140A/T140

# Product Specification

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

**LEADCNC Machinery Co., Ltd**

[www.leadcnc.com](http://www.leadcnc.com)

The right to make technical alterations is reserved.