LEADCNC

Product Information

Serial No: 2

Name:Aluminium 5-axis Machining Center

Model: Emerald F550



·The Emerald F550 aluminum manufacturing machine is a 5-axis profile machining center.

·The Emerald F550 5-axis machining center is designed for machining aluminum and light alloy profiles.

·It features a moving beam and moving column gantry frame structure, ensuring more stable movement and enhancing the machine's machining rigidity.

·Utilizes high-quality imported components such as servo motors, ball screws, linear guides, and bearings to ensure exceptional processing accuracy, stability, and reliability. The feed movement is pre-stretched to maintain consistent machining precision.

·The moving tool magazine ensures quick tool changes, enhancing production efficiency, and includes an additional specialized 500mm saw blade capable of multi-angle cutting.

·Features a pneumatic clamping worktable, enhancing loading and unloading efficiency.

·Equipped with two independent working zones to enhance production efficiency.

·Includes UPS and AC to protect the operating system.

·It can seamlessly integrate with ERP or design software, allowing easy retrieval of machining information through Barcode scanning.

·Remote maintenance can be performed via the Internet.

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DRILLING AND MILLING



SAWING



TOOL MAGAZINE

LEADCNC

Product Specification

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Machining Specifications	Parameter Value
Processing Length	7,000 (9,000/12,000mm- optional)
Travel Workpiece Dimensions for Top Surface Machining	W*H= 900 × 300 mm
Work piece Dimensions for Three-Sided Machining	W*H= 600 ×300 mm
A-Axis Rotation Range	135°
C -Axis Rotation Range	±320°

Machining Precision	Parameter Value
Positioning Accuracy	± 0.03 mm
Positioning accuracy X-/Y-/Z- axis	± 0.1 mm
Positioning accuracy A-/C- axis	± 0.1°

Technical Parameters	Parameter Value
Tool Magazine Position	11
Clamp	8, pneumatic-driven
Spindle	HSK-63F S1=15kW S6=17kW 24,000rpm
Saw Blade Diameter	Φ350 ~ Φ500 mm
X-Axis Travel Speed	0~60m/min
Y-Axis Travel Speed	0~30m/min
Z-Axis Travel Speed	0~30m/min
A-C-Axis Max Speed	120°/S

The right to make technical alterations is reserved.

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General Parameters	Parameter Value
Machine size (L ×W × H)(7M model)	11,200 ×3,000×3,200 mm
Machine weight	11,000KG
Air pressure	0.5-0.8MPa
Power supply	25kW 380V 50HZ
Air consumption per minute approx	260L with spraying

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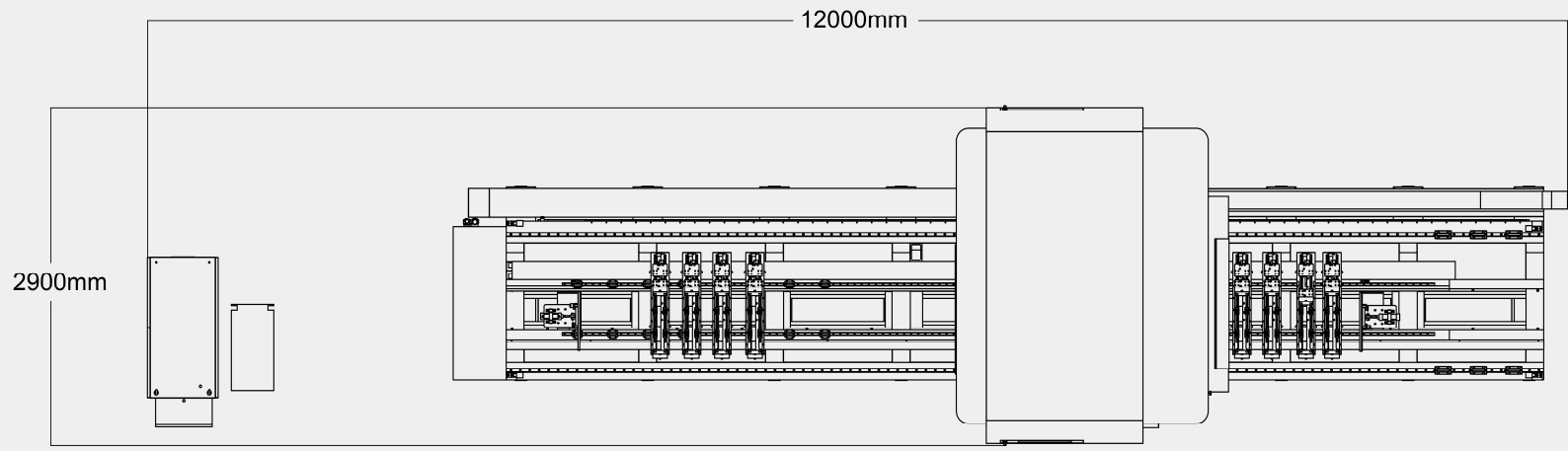
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Product Specification



MACHINING AREA OF THE MILLING UNIT

LEADCNC Machinery Co., Ltd

www.leadcnc.com

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