



LEADCNC

Serial No: 1

Name: Intelligent End Milling Machine

Model: Diamond 350DR

Product Information



This is a newly developed high-efficiency automated milling machine designed for aluminum windows, doors and curtain wall machining. Based on extensive market research, the machine is engineered to achieve a high level of automation, precision, and production efficiency while minimizing labor costs and ensuring ease of maintenance. Equipped with feeding, pushing, and unloading devices, the machine can perform automatic feeding, milling, and unloading cycles seamlessly. It supports seamless integration with various software systems, significantly boosting production efficiency, reducing labor intensity, and enhancing product quality.

The machine primarily consists of two movable milling heads, a frame, an electrical cabinet, and a CNC system. Its saw blade enables machining at angles ranging from 0° to 90°.



Intelligent operating system



Servo-controlled tool lateral machining



Servo-controlled tool longitudinal machining



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Product Specification

Machining Parameters	Parameter Value
Max.processing length	360-3,000mm
Processing profile width	50-150mm
Processing profile height	50-130mm
Machining Precision	Parameter Value
Processing Precision	± 0.1 mm
Repeatable positioning accuracy	± 0.02 mm
Cutting surface roughness	Ra12.5um
Technical Parameters	Parameter Value
Cutting tool diameter max	300mm
Saw blade	φ300×5.5×φ30mm , φ300×3.2×φ30mm
Feed speed	0 ~ 3m/min
General Parameters	Parameter Value
Machine size (L×W ×H)	6,400mm×1,400mm×1,900mm
Machine weight	3,500KG
Air pressure	0.5-0.8MPa
Air consume	380~415V 50HZ,22.5KW
Air consumption perminute approx	200L with spraying
Milling motors' power	4*2.2kw
Motor speed	2,800r/min

LEADCNC Machinery Co., Ltd

www.leadcnc.com

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