



LEADCNC

Serial No: 1

Name: CNC Double-head cutting saw

Model: Ruby 550D

Product Information



Ruby 550D – Professional Cutting Solution for Aluminum Profiles.

User-Friendly Operation:

Designed for ease of use, requiring no skilled workers, addressing labor shortages in factories. Features an automatic height measurement device, eliminating concerns over profile height discrepancies. Equipped with an error-proofing function that prevents cutting when profile deviations exceed allowable ranges.

High Precision:

Incorporates an integrated cast worktable, high-precision spindle saw blade motor, cutting length tolerance of $\pm 0.1\text{mm}$, surface flatness of $\leq 0.10\text{mm}$, and angular error of $5'$.

Wide Application Range:

Refer to the cutting curve chart for specifications.

Short Material Cutting Capability:

Capable of cutting profiles as short as 260mm (short edge length at 45° with dual-head operation).

Versatile Angle Adjustment:

Standard configuration includes manual angle adjustments between 45° and 90° .

Adjustable Saw Blade Speed:

The saw blade speed is frequency-adjustable, allowing for optimal matching with the profile wall thickness.



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Data Import Methods:

1. Software Integration: Connects with software systems like ERP, Logikal, TSD-CAD and KLAES.
2. Import Options: Data can be imported via network or USB drive.
3. Manual Input: Direct data entry is also supported.

Environmentally Friendly:

Features a unique chip removal and dust collection design with an 80% dust collection efficiency, ensuring a cleaner workspace, reducing cleaning frequency, and improving work efficiency.

Network Bus Control:

Provides strong anti-interference capability, ensuring high repeatability and cutting precision.

Support Racks:

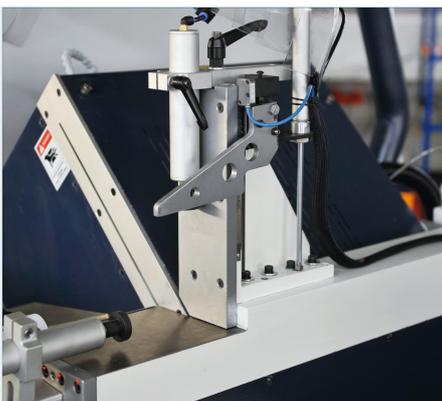
Includes a central support rack to prevent sagging that could lead to cutting errors, as well as a movable profile support rack for additional stability.

Tool Life Management System:

Standard configuration includes an automatic tool maintenance system, providing alerts when saw blades need sharpening or replacement.

Automatic Maintenance Reminder

Comes with a built-in system to prompt maintenance, enabling proactive detection of potential equipment issues and enhancing equipment utilization.



Automatic height
measuring device



Servo motors



Standard screen for
parameter setting



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Product Specification

Machining Specifications	Parameter Value
Minimum cutting length at 90°	360 mm
Minimum cutting length tilted at 45°	360 + 2*H mm (H: profile height)
Cutting height	110mm (see cutting diagram)
Cutting width	180mm (see cutting diagram)
Pivoting range inwards	Left :-45°, 90° Right: 90°, 45°
Saw blade size	φ550×φ30×4.4 Z=120
Saw blade speed	2,240 rpm
Machining Precision	Parameter Value
Cut Angle Error	±5'
Surface roughness	≤0.1mm
Repeat length measurement error	±0.1mm
General Parameters	Parameter Value
Power supply	380V 50Hz
Power	10KW
Pressure	0.5~0.8MPa
Gas consumption	60L/min
Weight	2,000 kg
Overall dimensions(L*W*H)	9750mm (include rack) *1800mm *1550 mm

LEADCNC Machinery Co., Ltd

www.leadcnc.com

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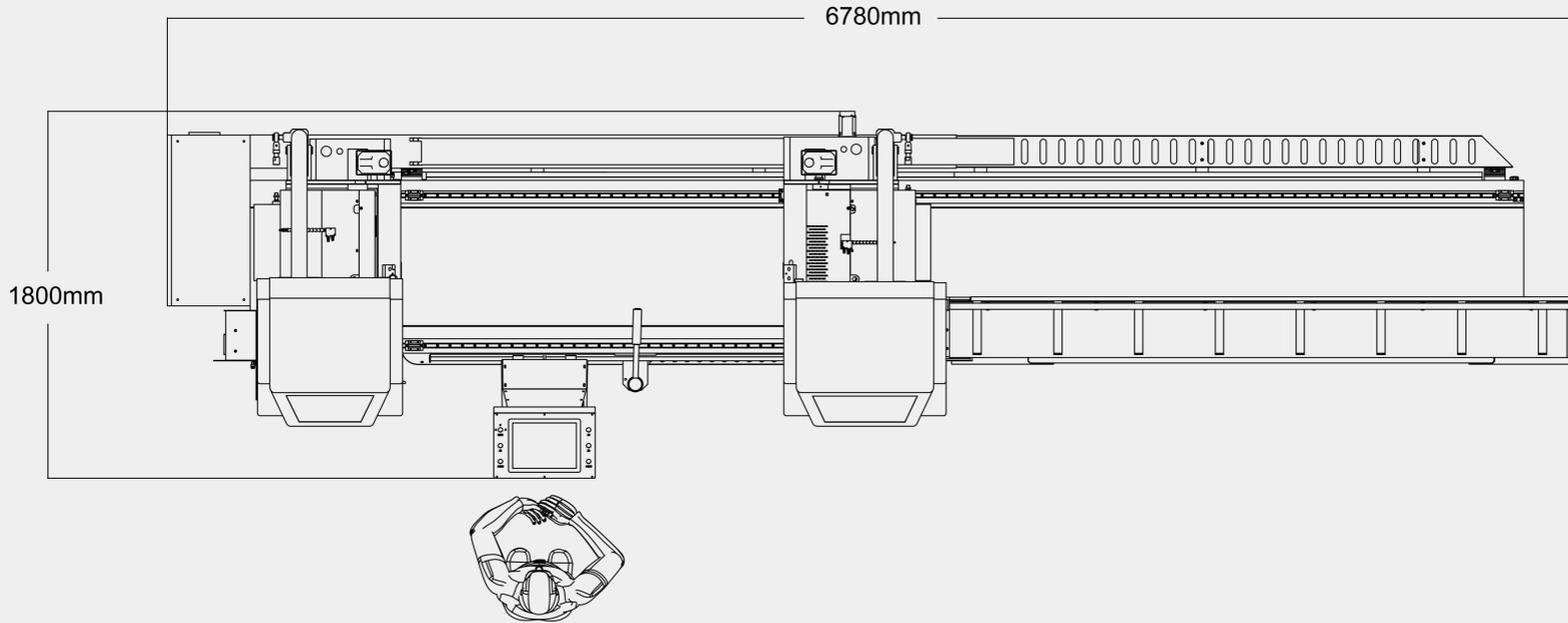
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Product Specification

LAYOUT



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