



LEADCNC

Product Information

Serial No: 1

Name: Laser equipped Sawing and Milling Machining Center

Model: Ultra X150



Ultra X150 High-Performance Intelligent Laser equipped Sawing and Milling Machining Center

Laser Equipped Milling, Drilling, Sawing Machining Center for Aluminium Window Door and Curtain Wall

Ultra X150 – A high performance Cutting and Milling Machining Center for aluminium profile.

Applicable Products: Suitable for aluminum casement windows, sliding windows, casement doors, sliding doors, curtain wall units, sunrooms, and other aluminum window and door products.

Main Feature:

Magnetic levitation automatic feeding: Feeds up to 7 profiles at a time. Raw material length: 600–7,000mm; processing length: 300–7,000mm; height: 30–150mm; width: 20–150mm.



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Milling spindle linkage: Four 6.7KW electro-spindles (top, bottom, front, rear); front spindle rotates 105° ; all spindles can work simultaneously.

Equipped with 2 high-precision laser systems: a 30W front laser for marking and a 1.5KW rear laser for drilling.

Fixed sawing: Equipped with three fixed 550mm, 3KW saw blades: two at 45° and one at 90° , ensuring high cutting speed.

Automatic unloading: Automatic unloading transfers finished profiles to the unloading area. Cross conveyor supports profiles up to 4,000mm.

Enclosed protection: All processing units are fully enclosed in sheet metal for noise reduction and safe operation.

Automatic labeling: Servo-driven automatic labeling system reduces manual work and maximizes efficiency.

CNC control: Advanced CNC system ensures stable, precise multi-axis machining, improving efficiency and quality.



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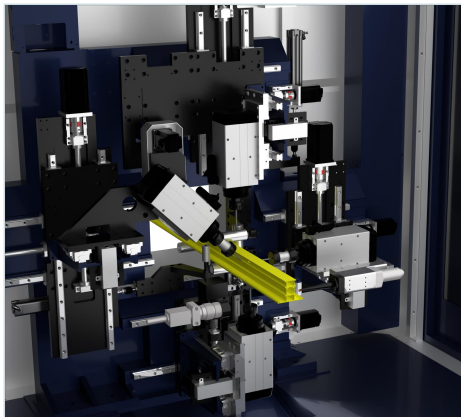
Serial No: 3

Name: Laser equipped Sawing and Milling Machining Center

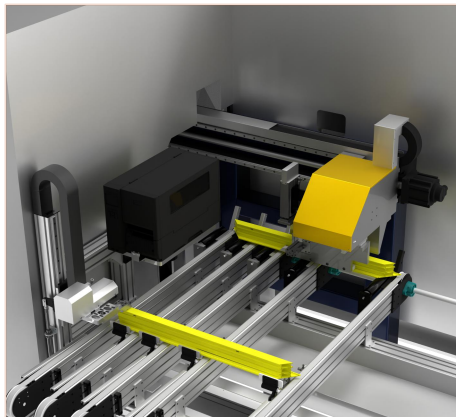
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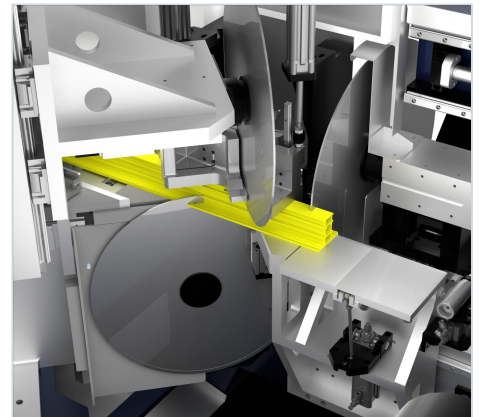
Smart connectivity: Seamlessly connects with ERP for real-time production planning, material management, and order tracking — enabling smart, flexible manufacturing.



FOUR ELECTRIC SPINDLES



AUTO LABELING DEVICE



CUTTING UNIT

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Product Specification

Machining Specifications	Parameter Value
Raw Profiles Placed	7 PCS
Raw Profile length	600–7,000 mm
Processing Lenth	300-7,000mm
Processing Width	20-150mm
Processing Height	30-150mm

Infeed	Parameter Value
Drive	Linear
Motorized gripper adjustment	Y/Z
Gripper rotation	Standard
Residual piece measurement	Optional
Residual piece processing	Fully automatic

Milling unit	Parameter Value
Number of Spindle	4 (servo-assisted)
Spindle Power	6.7KW
Front Spindle Rotation	105° (45° upward and 60° downward)
Spindle speed	18000r/min
Tool	φ5、φ8 (8 total)
Laser	1*30W 1*1.5KW

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Product Specification

Model:Ultra X150

Sawing unit	Parameter Value
Saw Blade	3*550mm
Rotation Angle	Fixed (Up and Down +45° , -45° , 90°)
Sawing angles	+45° , -45° , 90°
Accuracy	±0.1mm

Outfeed clamping carriages	Parameter Value
Axis	1
Cycle operation(short parts)Laser	Optional

Outfeed conveyor	Parameter Value
Lifting station	YES
Outfeed conveyor width	4,000 mm (can be extended)

General Parameters	Parameter Value
Power supply	380V/50Hz
Power	33KW
Pressure	0.5-0.8Mpa
Gas consumption	300L/min
Weight	11,000KG
Overall dimensions	19,500×5,100×2,300mm (including workbenches on both sides)

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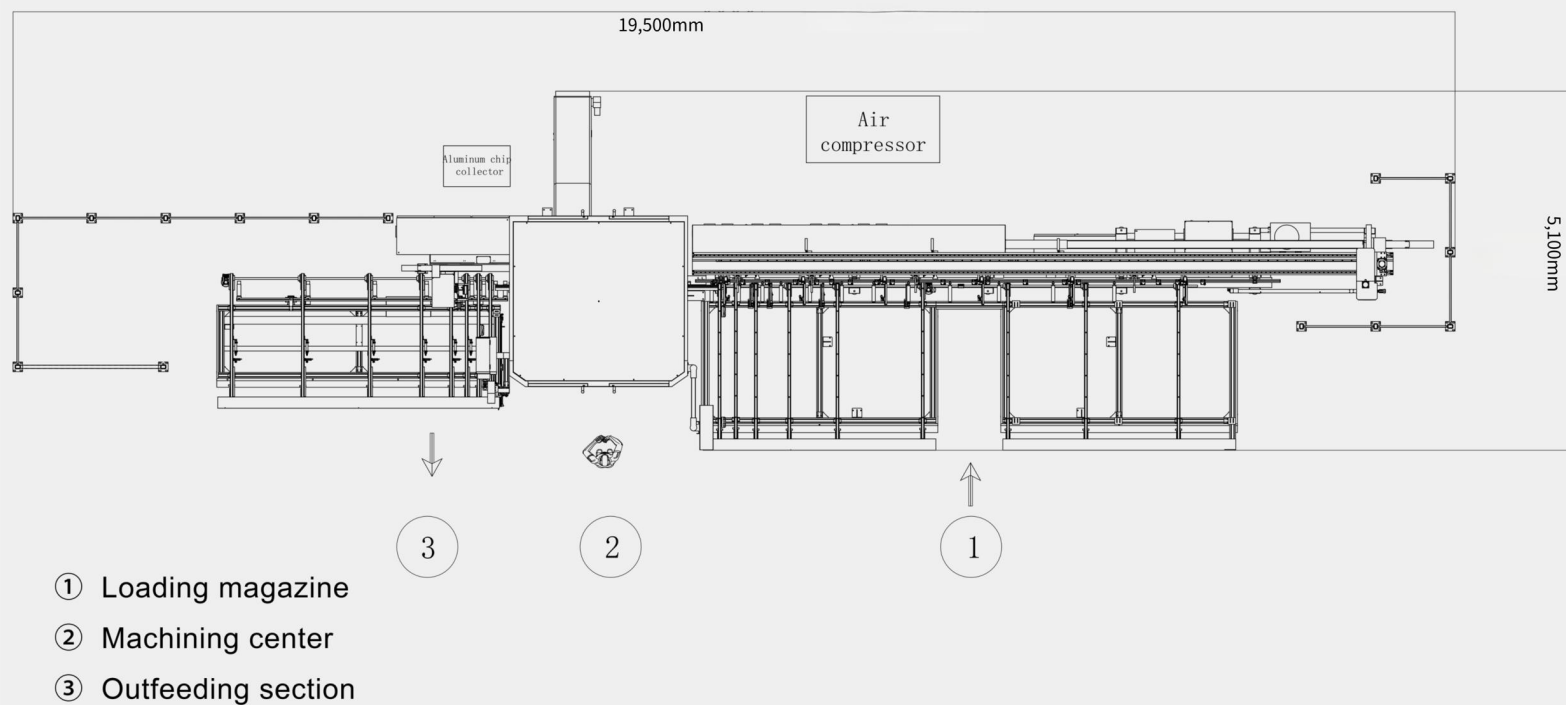
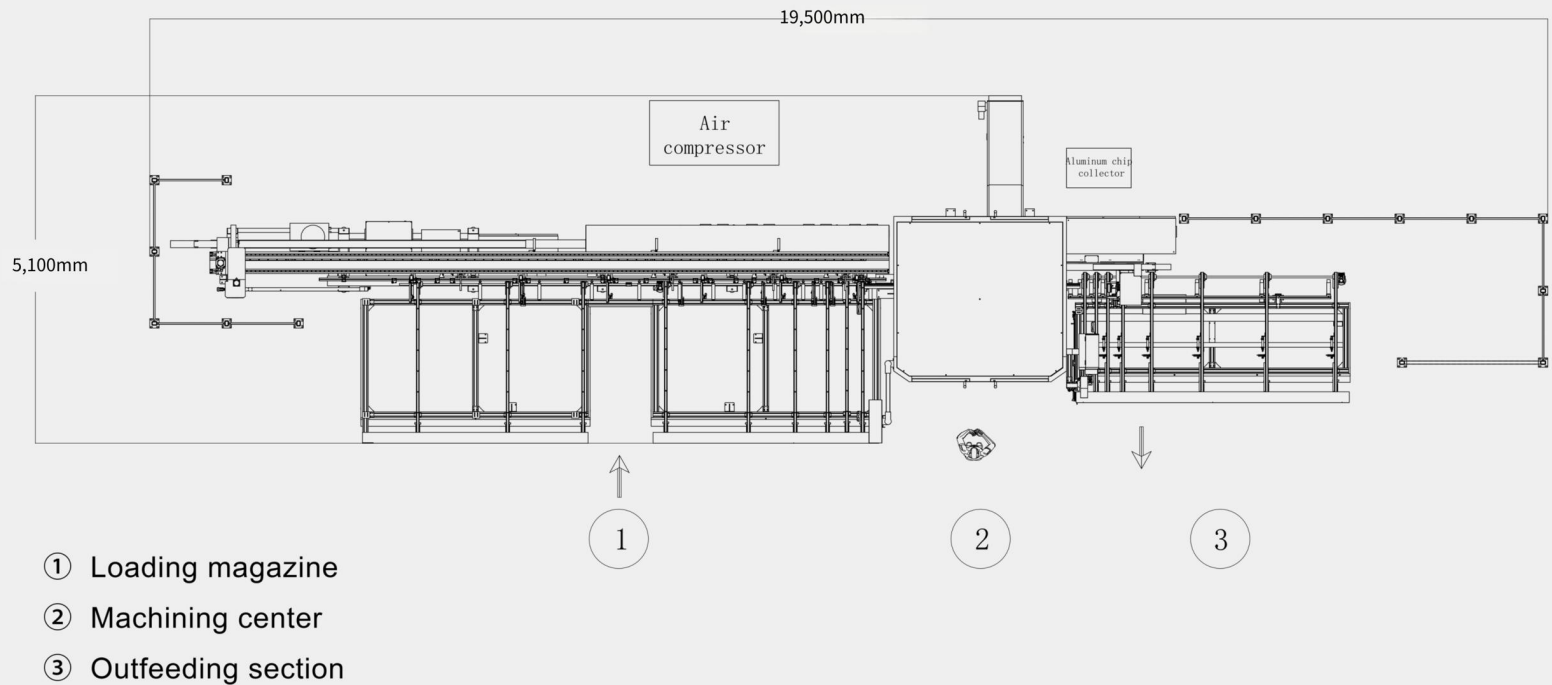
Serial No: 6

Name: Laser equipped Sawing and Milling Machining Center

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Product Specification

LAYOUT



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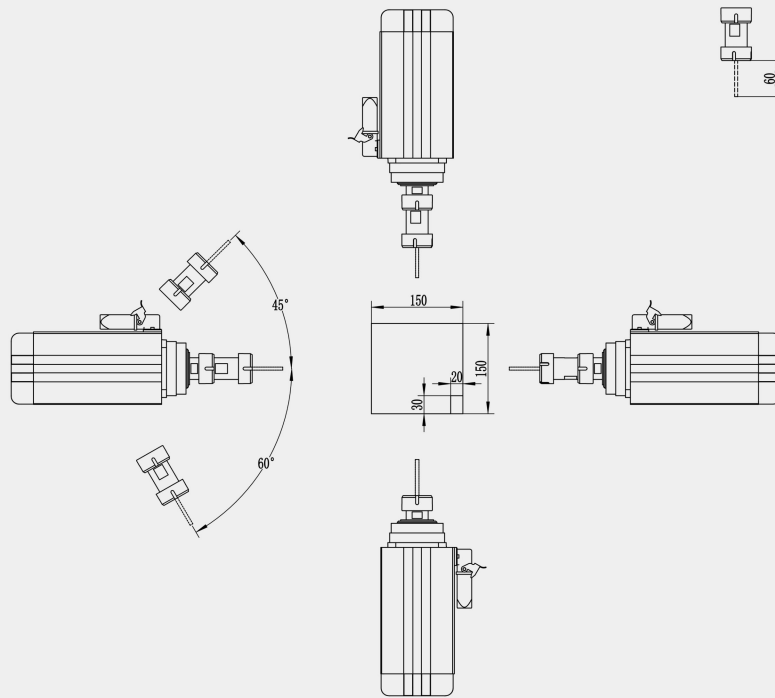
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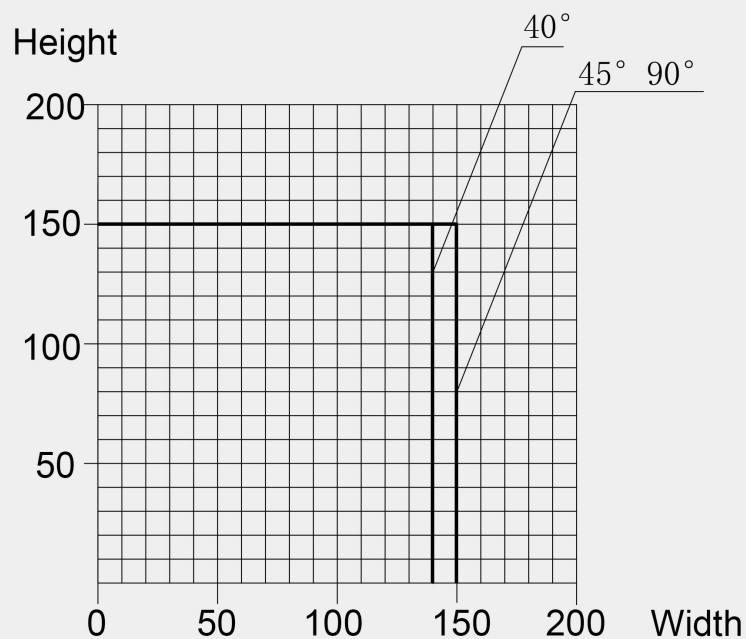
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Product Specification

MACHINING AREA OF THE MILLING UNIT



CUTTING DIAGRAM



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