



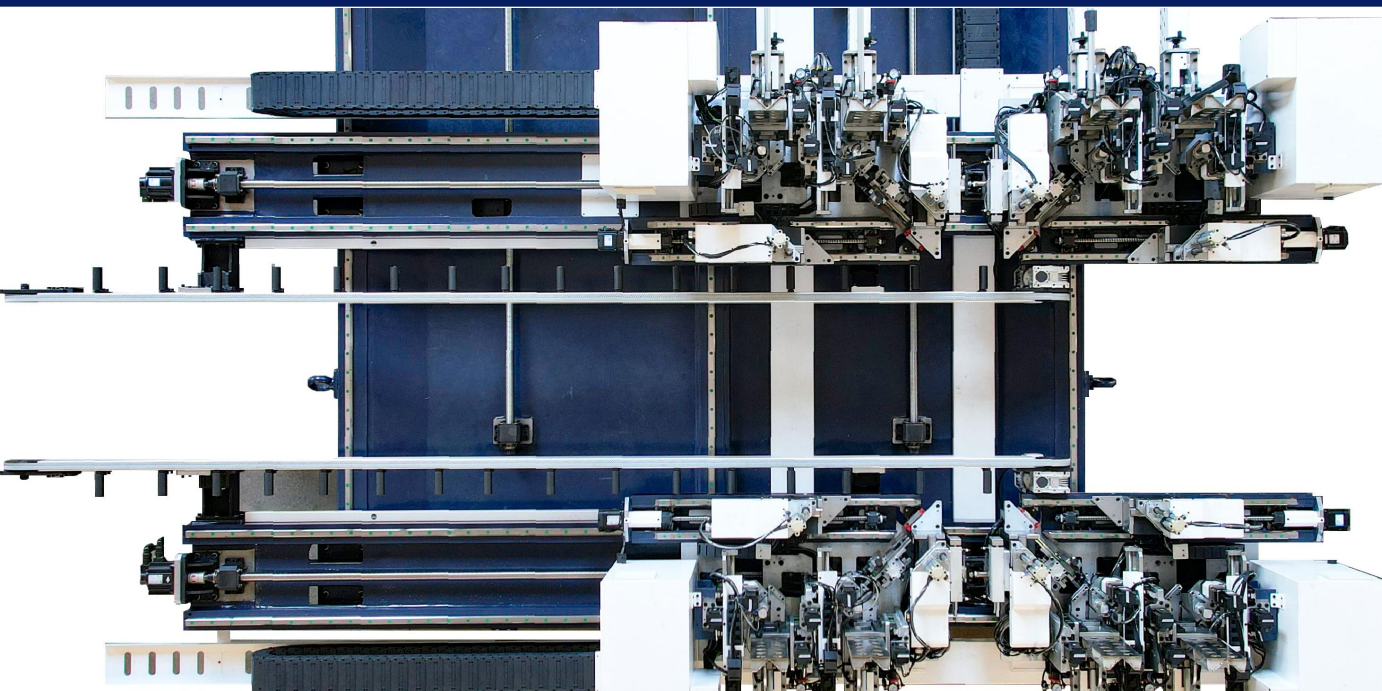
LEADCNC

## Product Information

Serial No: 1

Name: Intelligent corner cleat assembly line

Model: Zircon 2500



### Zircon 2500 Intelligent corner cleat assembly line

Model: Zircon 2500

*Zircon 2500– automatic assembly of corner cleat at the corners of frames and sashes, without manual work, to achieve seamless connection with upstream and downstream processes in door and window production.*

### Key Features:

**Fully Automated Corner Cleat Assembly:** Designed for automatic assembly of corner cleats at the frame and sash corners, eliminating manual operation and enabling seamless integration with upstream and downstream processes in window and door production.



LEADCNC

Serial No: 2

Name: Intelligent corner cleat assembly line

Model: Zircon 2500

## Product Information

**Multi-Material Storage:** Equipped with 8 material bins in total, with each machine head configured with 2 different types of corner cleat bins for flexible production needs.

**CNC Control with 72 Servo Motors:** Utilizes CNC control and 72 servo motors for precise positioning, feeding, and assembly actions, ensuring stable and accurate operation.

**High Precision:** Advanced servo control system delivers high precision in corner cleat insertion and assembly, guaranteeing consistent product quality.

**Intelligent Feeding & Positioning:** Features an integrated material carrying and feeding system that aligns profiles accurately and combines them for automatic corner assembly, perfectly matching with intelligent corner crimping production lines.

**High Efficiency:** Greatly improves the automation level and production efficiency of frame and sash corner assembly, achieving a fast cycle time of just 50 seconds to complete the corner cleat installation for a single frame or sash.

**Seamless Line Integration:** Designed for full compatibility with smart corner crimping lines and other automated equipment, maximizing productivity and minimizing manual intervention.



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Serial No: 3

Name: Intelligent corner cleat assembly line

Model: Zircon 2500

## Product Specification

Machining Specifications	Parameter Value
Corner Cleat Specifications	30x6x5-110x45x20
Processing Profile's Height	20-150mm
Processing Profile's Width	30-130mm
Size of Frame and Sash	500x700-1500x1800mm

General Parameters	Parameter Value
Power	25.3KW
Power supply	380V/50Hz
Air Pressure	0.5-0.8Mpa
Air Consumption	200L/min
Weight	5700kg
Overall dimensions	4500mm×5500mm×1600mm

