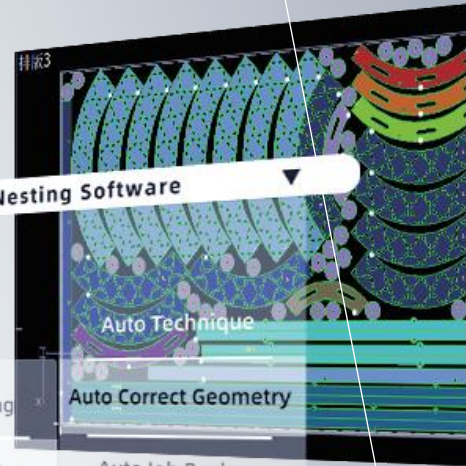


High Power Laser Cutting Solution

Seamless, Safe and Efficient Interconnection. ➔



CypNest | 2D Nesting Software



Co-edge Nesting

Auto Technique

Toolpath Planning

Auto Correct Geometry

Multiple Toolpath

Auto Job Backup

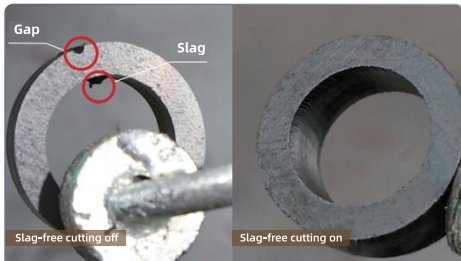
Custom Quote

Auto Check Retraction



FSCUT8000 high power laser cutting control system

Excellent Cutting Process



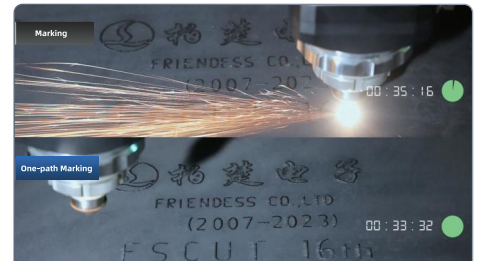
Smart LaserOff

Adjust the parameters when the laser is off to get smooth parts with no burrs.



Smooth Microjoint

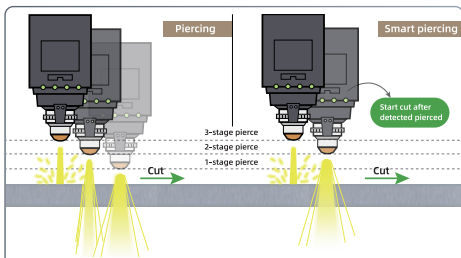
Continuous processing to get smooth and seamless Microjoint for easy batch unloading.



One-path Marking

Smooth and greatly improves efficiency.

Smart and Sharp Monitoring



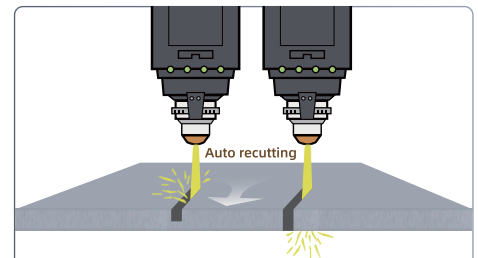
Smart Piercing

Real-time monitor the piercing status and cut immediately after piercing.



Co-edge Piercing Monitoring

Detect whether piercing is required at co-edged positions and extend the lifespan of the protective window.



Auto ReCut

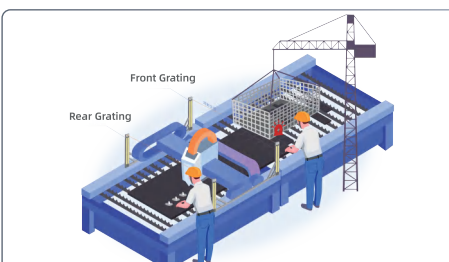
Monitor the cutting status and retract and recut if not cut through with intelligent processing.

Reliable and Safe Machining



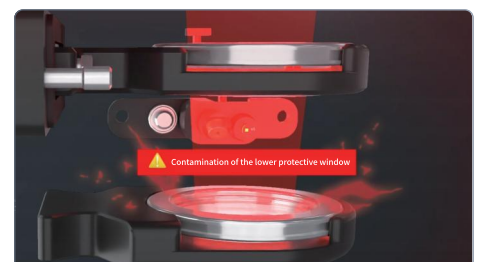
Safety Mode

Limit rapid travel speed to ensure user safety.



Safety light curtain

For different production scenarios; reasonable alarms, balancing safety and efficiency.



Protective Window Anti-Explosion

If the protective window is severely contaminated, the laser will be turned off and an alarm will be triggered to prevent it from being shattered.

BLT 6 series intelligent laser cutting head

Stable and Efficient Cutting

➤ New optical solution, closed-loop autofocus, full-body water cooling, etc.



Collimating

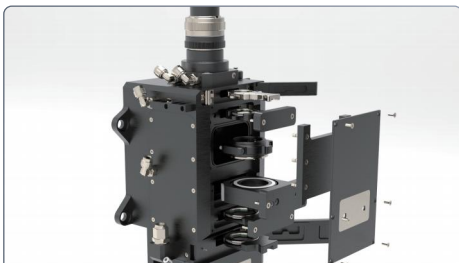
Faster zooming and less waiting.



Full-body Water Cooling

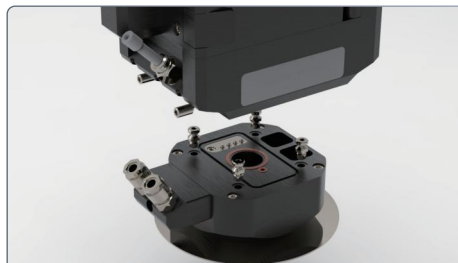
Cover 90% of optical path for stable cutting.

Simple and Easy Maintenance



Optical Lens Set

Drawer-type design for lens set, plug-and-play.

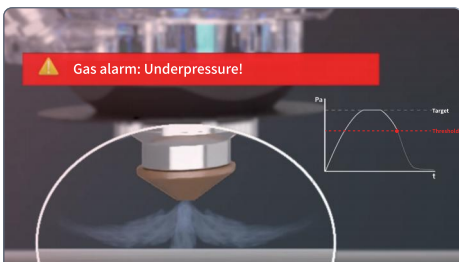


Collision Protection

Anti-collision design, easy to replace and maintain

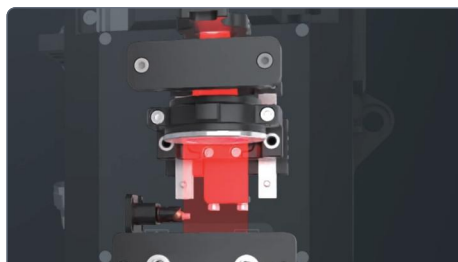
Intelligent and Safe Operation

➤ Multiple sensors for real-time closed-loop intelligent monitoring, quick troubleshooting and early warnings



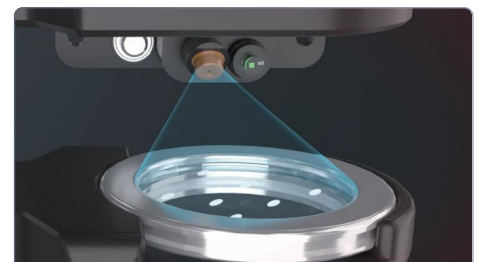
Gas Pressure Monitoring

Real-time monitor the gas output to reduce the impact on the cutting quality due to insufficient/excessive gas pressure



Stray Light Monitoring

Monitor the stray light value to prevent damages to the cutting head and to prevent poor cutting



Protective Window Monitoring

Real-time monitor the temperature/temperature rise of the protective window, alarm and turn the laser off if necessary



CypNest - Sheet Nesting for Efficiency

Auto Repair Graphics

- Intelligent Drawing Recognition
- One-Click Error Correction

Efficient Toolpath Planning

- Intelligent Algorithm for Safety
- Shorter Cutting Path for Efficiency

Optimal Part Nesting

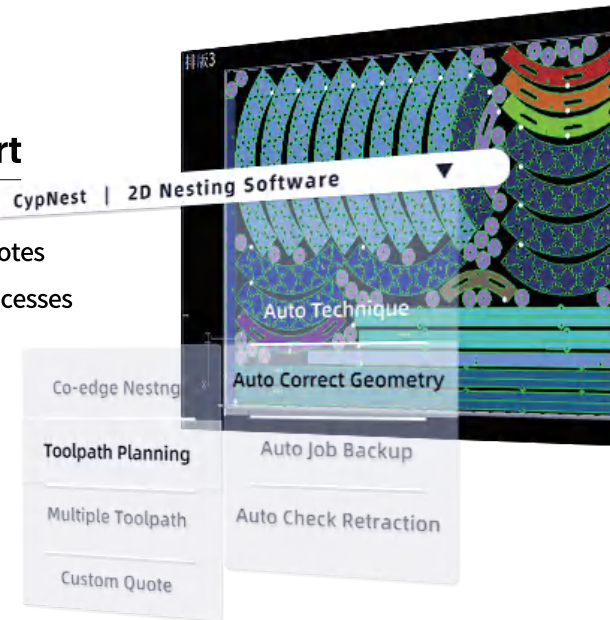
- Intelligent Automatic Nesting
- High Material Utilization

Safety Configuration

- Toolpath Rollback for Safety
- Auto Backup for Exceptions

Production Report

- Customize Report for Quotes
- Facilitate Production Processes



My Machine - Cloud-based Device Interconnection

Real-time Monitoring

- My Machine collects machine tool status information to help improve production efficiency, reduce downtime, and prevent failures.

Machine Tool Data Analysis

- Digital management of machine tools on mobile phones with machining reports, efficiency comparisons, and more sent daily, weekly, and monthly.



BOCHU >
To bring you intelligent
manufacturing



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