

LASER CUTTING MACHINE

ULET



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CONTACT US

COMPANY PROFILE

Established in 2002, ADH Company is situated in Ma'anshan City, Anhui Province, just 30 kilometers from Nanjing Lukou Airport. Our expansive 2,000,000 square meter facility specializes in manufacturing press brakes, hydraulic shearing machines, laser cutting machines (including automatic production units), CNC turret punches, intelligent flexible bending centers, and sheet metal automation equipment. As a leading high-tech manufacturer prioritizing R&D and innovation, we hold numerous patents and industry certifications.

2002

Founded

6000 +

Annual Production

120 +

R&D Personnel

100 +

Exported Countries



Mission

We are committed to research and development, improving product and service quality, in order to establish a globally renowned sheet metal manufacturing machinery center.



Vision

Our goal is to become a highly respected sheet metal support service provider, earning the trust of customers and the pride of employees.



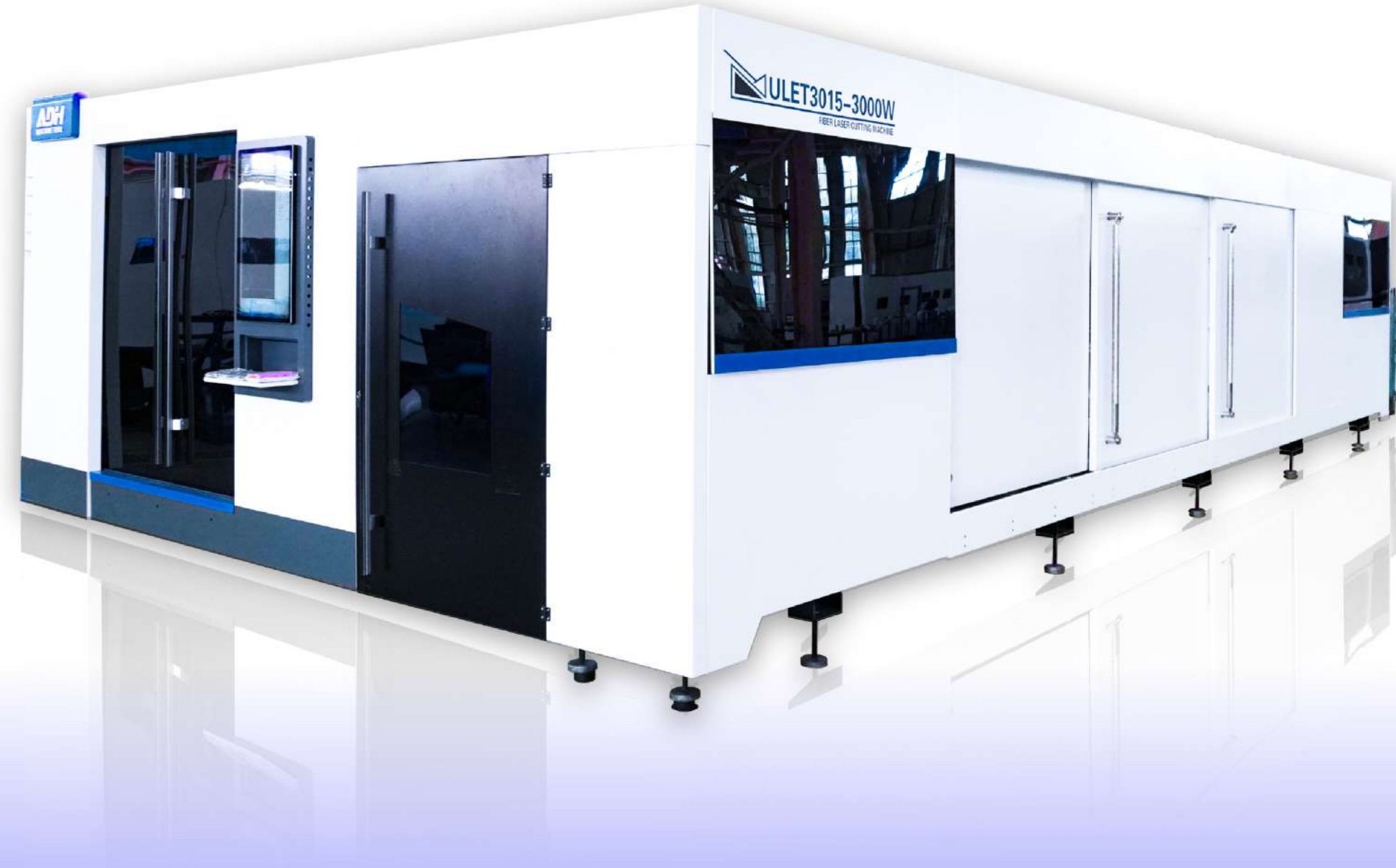
Values

Innovation, Lean Manufacturing, Integrity, Win-Win.

LASER CUTTING MACHINE

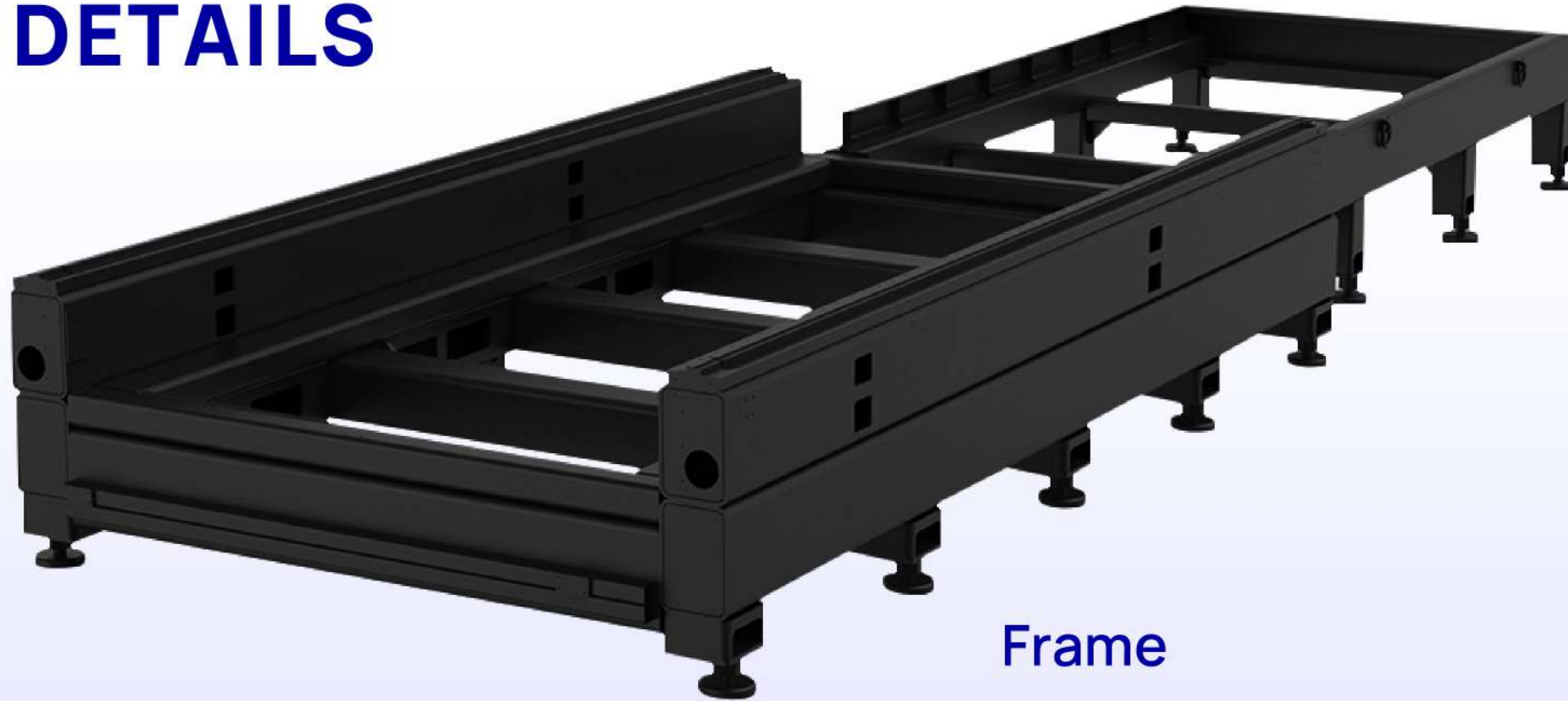
Fully Enclosed Dual-use

ULET Series



- Dual plate & tube cutting
- Fully enclosed safety design
- Fire-resistant mechanical bed structure
- High-rigidity lightweight beam design
- Pneumatic chuck: 3x faster operation
- Auto-focus anti-collision cutting head
- Cypcut software with process database

PRODUCT DETAILS



Frame

- The internal layout features a blend of hollow elements and fish-scale patterns to improve fire resistance and protect the integrity of the structure.

Beam

- Finite element analysis enhances beam design for high rigidity and low weight, enabling superior speed, dynamic performance, and acceleration during high-speed cutting operations.
- Heat-treated high-performance manganese steel ensures exceptional rigidity, strength, and seismic resistance, eliminating long-term deformation risks.



Control System

- Cypcut software features easy installation, simple debugging, and power-based speed adjustment, optimizing precision and efficiency for enhanced sheet metal fabrication performance.
- Integrated cutting process database and customizable import speed settings ensure versatility and consistent high-quality output for operators.



Cutting Head

- The auto-focusing laser cutting head automatically adapts focus based on material thickness, ideal for multi-focus sections, enhancing cutting precision while minimizing time consumption.
- The patented anti-collision structure and waste cutting micro-connection effectively prevent plate warping, enabling high-speed and stable cutting performance during operation.



Pneumatic Chuck

- Provides swift, automatic clamping and centering for diverse tube profiles, significantly reducing setup times and boosting operator efficiency for faster production cycles.
- Delivers strong, consistent clamping force, ensuring stable material holding during processing for superior accuracy and minimizing waste from slippage or vibration.

Water Chiller

- Safety-First Operation: Equipped with over-temperature alarm, flow/water level protection, and multiple alerts to ensure reliable performance and prevent downtime during critical processes.



Laser Source

- Supports a wide range of power options (500W-20,000W) with constant beam parameter product (BPP), offering superior beam quality and small spot size for precise and efficient cutting.
- Achieves over 30% electro-optic conversion efficiency with a compact, modular "plug and play" design, ensuring easy installation and enhanced energy savings.



Automatic Lubrication

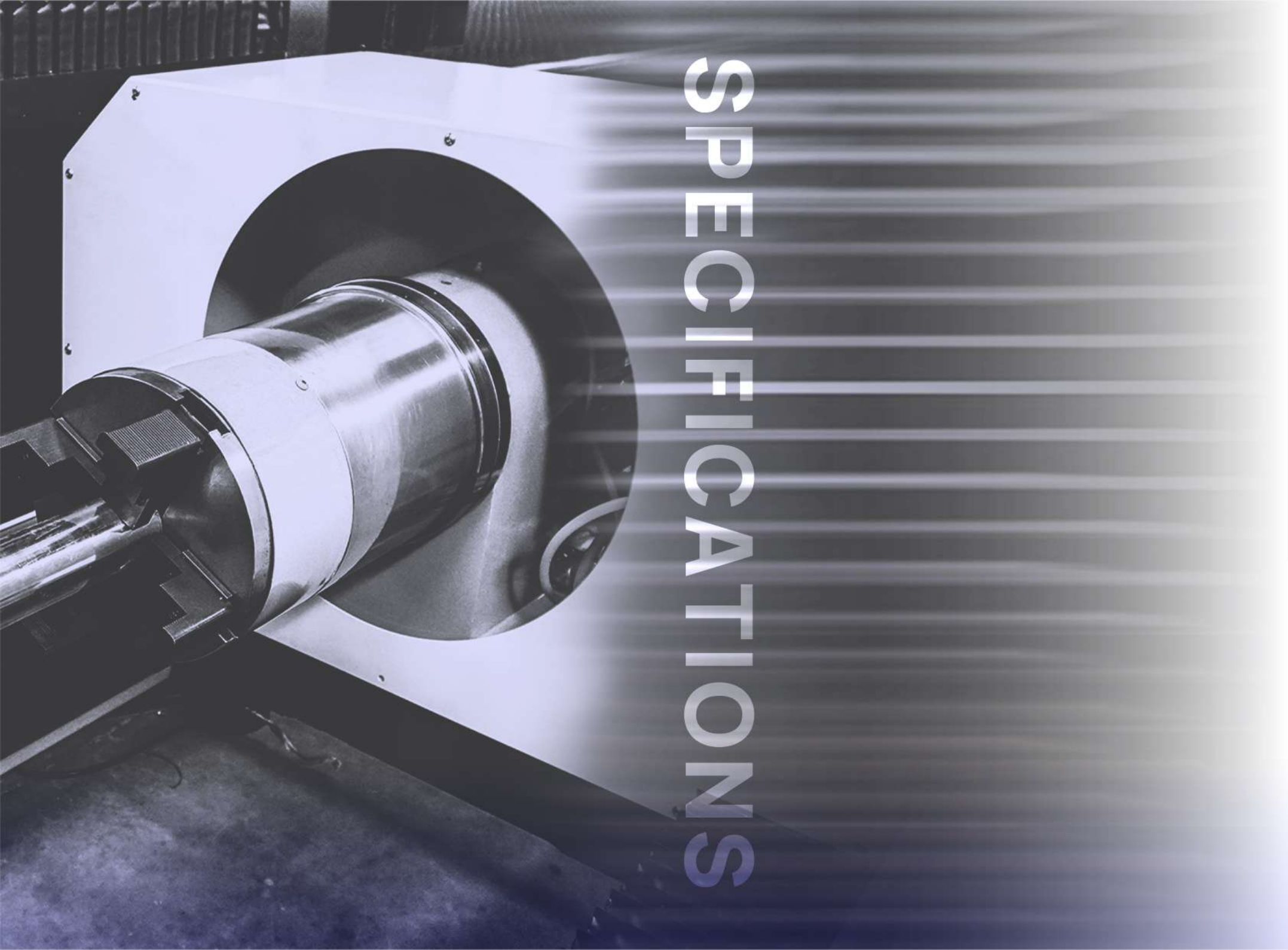
- Automated system delivers consistent lubrication to vital components, minimizing manual intervention and prolonging machine life by preventing premature wear.
- Ensures smooth, reliable operation by precisely lubricating key parts, reducing friction-related failures and maximizing your production uptime.



Air Cooler

- Protects sensitive components by maintaining optimal electrical cabinet temperatures, ensuring stable and uninterrupted machine operation.





SPECIFICATIONS

Specifications

ULET Series

SPECIFICATIONS	
Model	ULET
Laser power	1500W/3000W/6000W
Cutting range	3*1.5(m)/4*1.5(m)/6*1.5(m)/6*2.0(m)/6*2.5(m)
Maximum size of chuck	220mm/350mm
Plate/tube cutting length	3000mm/4000mm/6000mm
Maximum moving speed	90m/min
Maximum acceleration	1.2g
Positioning accuracy	±0.05mm
Repeated positioning accuracy	±0.02mm
Operating voltage	380V/50Hz
Cooling method	water-cooled