

LASER CUTTING MACHINE

ULFT



Xinshi Industrial Zone, Bowang District, Ma' anshan, China

+86-555-6760666 | +86 136 0555 9170

info@adhmt.com

www.adhmt.com



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.



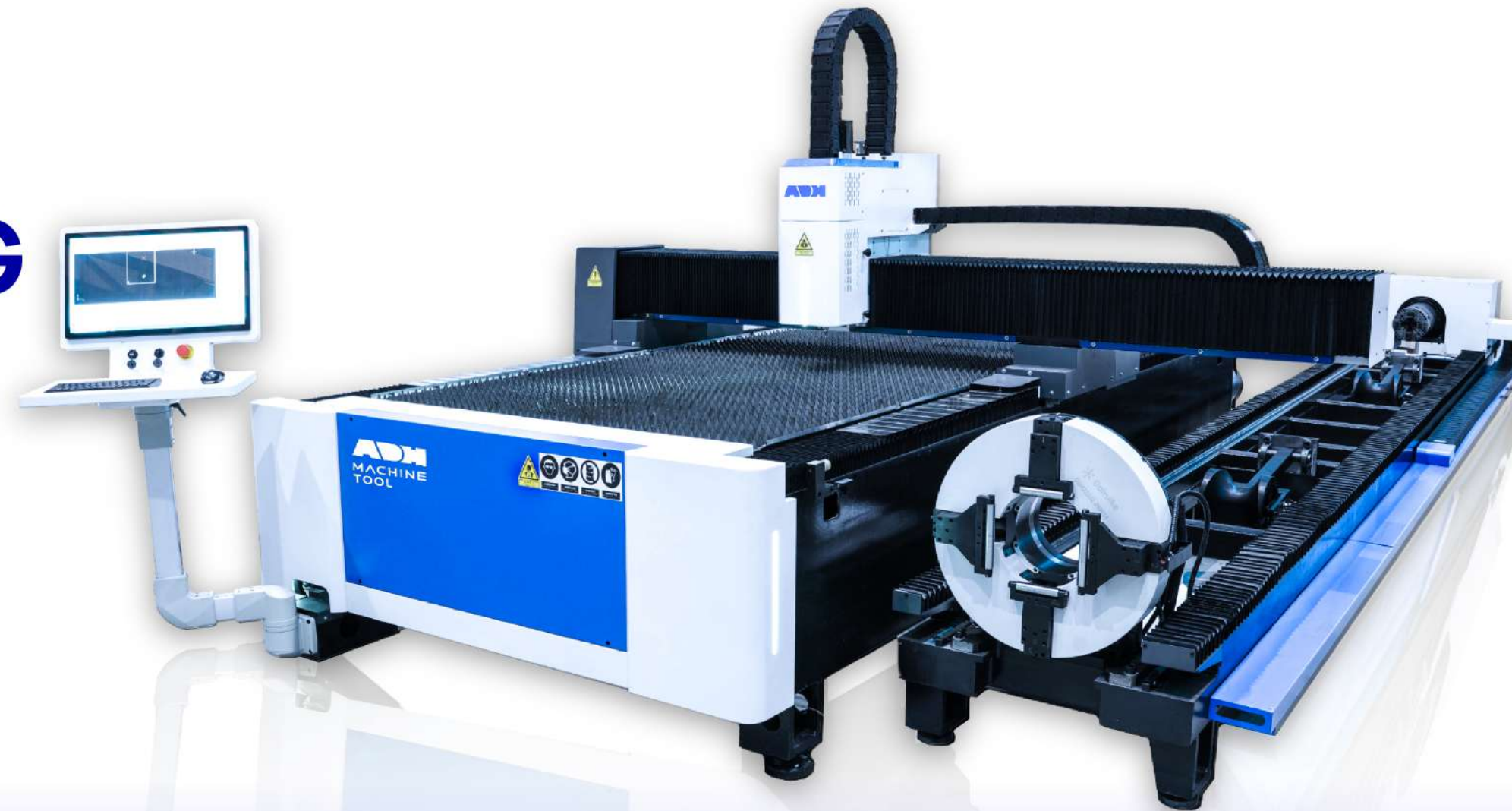
Values

Innovation, Lean Manufacturing, Integrity, Win-Win.

LASER CUTTING MACHINE

Integrated

ULFT Series



- Cuts both sheets and tubes efficiently.
- Delivers smooth edges with $\pm 0.05\text{mm}$ accuracy.
- Saves space and reduces operating costs.
- Fiber laser minimizes energy consumption.
- 90m/min speed for high productivity.

PRODUCT DETAILS



Frame

- The robust frame features a hollow, fish-scale design with reinforced rectangular pipes, ensuring exceptional fire protection, structural stability, and resistance to deformation for over 20 years.

Beam

- Engineered for maximum rigidity, the beam ensures unwavering precision in every operation, delivering consistently accurate results for demanding applications.
- Robustly constructed beam provides exceptional stability and durability, minimizing deflection and guaranteeing reliable, high-quality output for years to come.



Control System

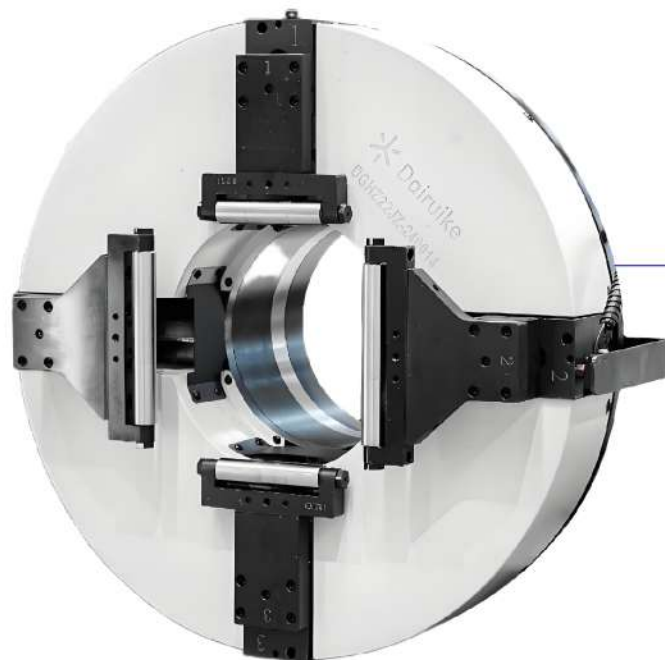
- CyPCut software enables power-based speed adjustment and separate import linear speed settings, optimizing cutting efficiency while maintaining precision across diverse materials and thicknesses.
- Access to a robust cutting process database ensures consistent quality and reduces setup time by leveraging predefined parameters for various materials and applications.





Cutting Head

- Auto-focusing cutting head automatically adjusts focal points for different material thicknesses, enabling efficient multi-focus section processing and reducing cutting time while enhancing precision.
- Patented anti-collision protection structure and waste-cutting micro-connection prevent plate warping, ensuring high-speed operation with exceptional stability throughout cutting processes.



Pneumatic Chuck

- One-key pneumatic chuck enables automatic centering and operates three times faster than electric models, significantly reducing loading/unloading wait time while maintaining precision.
- Delivers uniform clamping force to prevent slippage of heavy pipes (up to $\Phi 320 \times 320 \text{mm}$), ensuring cutting accuracy across various tube shapes and sizes.

Water Chiller

- Maintains optimal temperatures with over-temperature alarms, flow, and water level protection, ensuring system stability and preventing equipment damage during operations.



Laser Source

- Features a constant beam parameter product (BPP) with small spot size and over 30% electro-optic conversion efficiency, ensuring precise cuts while minimizing energy consumption.
- "Plug and play" modular structure for easy installation and outstanding maintenance cost savings of 15%-20%, enhancing operational efficiency.

Automatic Lubrication

- Automatic lubrication delivers precise oiling to critical points, reducing manual tasks and maximizing machine uptime.
- Consistent, automated lubrication protects moving parts from premature wear, ensuring long-term reliability and sustained precision.



Air Cooler

- Maintains optimal cabinet temperature through efficient cooling, ensuring stable operation and enhancing equipment reliability for continuous performance.





SPECIFICATIONS

Specifications

ULFT Series

SPECIFICATIONS	
Model	ULFT
Laser power	3000W/6000W/12000W/20000W
Cutting range	3*1.5(m)/4*1.5(m)/4*2.0(m)/6*1.5(m)/6*2.0(m)/6*2.6(m)/8*2.6(m)
Maximum size of chuck	220mm/350mm
tueb cutting length	6000mm
Maximum moving speed	90m/min
Maximum acceleration	1.2g
Positioning accuracy	±0.05mm
Repeated positioning accuracy	±0.02mm
Operating voltage	380V/50 HZ
Cooling method	water-cooled