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Five Years Warranty on Core Components

All core components, including the operating system, laser source, and laser head, are independently developed for optimal compatibility and seamless integration, ensuring stable and outstanding performance!

AORE Core

Intelligent scheduling with well-coordinated arrangements, making production simpler

- Utilizing EtherCAT bus technology, with a scanning cycle of ≤1 ms for real-time monitoring and feedback
- Equipped with hundreds of process libraries, allowing customers add according to their needs
- Supports 15 file formats and 14 language options

AORE Sword

Intelligent transmission and efficient protection for enhanced cutting performance!

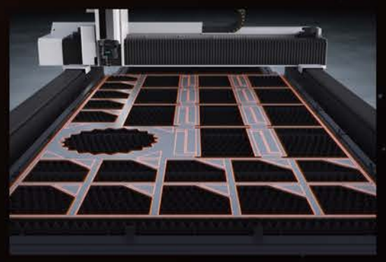
- Utilizing a single network cable connection with 12 embedded sensors for intelligent perception and efficient data transmission
- Features a fully enclosed cooling structure design to ensure the laser head operates continuously at a constant temperature
- Employs a standard modular design with strong compatibility for accessories, intelligent collision avoidance, easy maintenance, and low operating costs

AORE Power

Low power consumption, strong heat dissipation, anti-high reflection, and more efficient photoelectric conversion

- Innovative high-power chip hybrid technology achieves high photoelectric conversion, strong beam quality, and reduces energy consumption by 20%
- The entire system uses an integrated modular design, resulting in a compact size, minimal footprint, and high space utilization
- The core component employs proprietary overall packaging technology, offering high protection, temperature stability, and resistance to high reflection

Core Technology



• Visual Residual Material

Visual scanning of leftover materials allows for one-click scanning, one-click layout, and one-click cutting. The secondary layout enhances material utilization, saving significant labor and making residual material processing easier.

• Automatic Nozzle Change

Automatically changes the required nozzle based on the material and thickness of the cutting plate, making the process smarter, safer, and more efficient.

• Bevel Cutting Technology

The optional intelligent bevel cutting head allows ±45° bevel cuts for Y, V, X, and K types. It forms the bevel in one pass, reducing grinding, improving efficiency, and saving labor. The smooth surface and gap-free joints simplify welding.

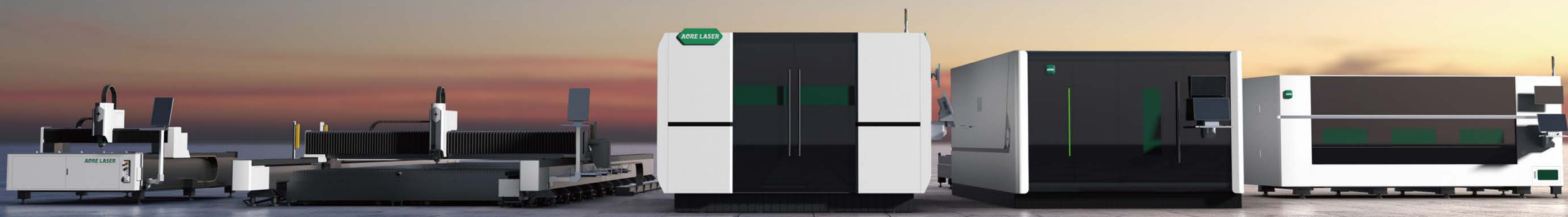
• Thick Plate Cutting Technology

Designed for thick plate cutting, this process offers real-time temperature drift capacitance correction, lightning-fast perforation, slag vibration suppression, and bright surface cutting. It handles metal plates from 30 to 120 mm with excellent quality, precision, and stable performance.

Premium Quality Laser Leader

Quality Choice, Quality Assurance

AORE products are widely used in industries such as new energy, education, home appliances, construction equipment, automotive manufacturing, HVAC, machinery, shipbuilding, steel structures, fitness equipment, and advertising. We provide tailored, one-stop laser solutions to meet diverse industry needs, enabling smart and efficient metal processing.



Sheet Fiber Laser Cutting Machine

Flagship Laser Cutting machine

H Series

High-speed Sheet Fiber Laser Cutting Machine

- 4G maximum acceleration, 200m/min high-speed response, achieving performance breakthrough
- Visual collision avoidance for enhanced safety
- Efficient dust removal through time segmentation, zoning, and sectioning

Technical Parameters

Model	H3015	H4020	H6020
Working Area	3060mm*1550mm	4060mm*2050mm	6060mm*2050mm
Laser Power	1.5-40kW	1.5-40kW	1.5-40kW
Positioning Accuracy	0.03mm	0.03mm	0.03mm
Repeat Positioning Accuracy	0.02mm	0.02mm	0.02mm
Maximum Operating Speed	200m/min	200m/min	200m/min
Maximum Acceleration	4G	2.8G	2.8G

Sheet Fiber Laser Cutting Machine

Performance Laser Cutting machine

GR-H Series

All-in-One Fiber Laser Cutting Machine

- Specialized equipment for profiles meets the diverse processing needs for profiles, sheet, and tube simultaneously
- With multi-station partitioned processing, cutting and loading/unloading can occur simultaneously
- Real-time correction for profile deformation and misalignment, with intelligent optimization of the cutting path

Technical Parameters

Model	GR1500H
Laser Power	12-40kW
Maximum Profile Length	12300mm
Profile Processing Range	200*100mm-1500*500mm
Sheet Processing Range	3200*13000mm（Straight Cutting） 2500*12300mm（Bevel Cutting）
Tube Processing Range	Φ15-1200mm □15-600mm
Maximum Acceleration	0.8G

Performance Laser Cutting machine

PB Series

Full-protective Fiber Laser Bevel Cutting Machine

- Full-width bevel cutting for efficient production with one-time bevel processing
- Hydraulic lifting bed for structural stability, ensuring cutting precision
- Comprehensive thick plate cutting process package to effectively assist thick plate bevel processing

Technical Parameters

Model	PB3015	PB6020	PB8025
Bevel Width	3100mm*1550mm	6100mm*2050mm	8100mm*2550mm
Straight Cutting Area	3850mm*2200mm	6850mm*2700mm	8850mm*3200mm
Laser Power	8-40kW	8-40kW	8-40kW
Positioning Accuracy	0.03mm	0.03mm	0.03mm
Maximum Operating Speed	115m/min	115m/min	115m/min
Maximum Acceleration	1.2G	1.2G	1.2G

Classic Laser Cutting Machine

PG Series

Full-protective Sheet Fiber Laser Cutting Machine

- Exchangeable worktable for rapid switching, enhancing production efficiency
- Fully enclosed safety protection with automatic alarm on door opening, ensuring safety from within
- Intelligent zone dust removal for clean and efficient production

Technical Parameters

Model	PG3015	PG4020	PG6020	PG6525
Working Area	3050mm*1530mm	4050mm*2030mm	6050mm*2030mm	6550mm*2530mm
Laser Power	1.5-40kW	1.5-40kW	1.5-40kW	1.5-40kW
Positioning Accuracy	0.03mm	0.03mm	0.03mm	0.03mm
Repeat Positioning Accuracy	0.02mm	0.02mm	0.02mm	0.02mm
Maximum Operating Speed	120m/min	120m/min	120m/min	120m/min
Maximum Acceleration	1.5G	1.5G	1.5G	1.5G

PGT Series

Full-protective Sheet and Tube Fiber Laser Cutting Machine

- Integrated sheet and tube design, dual-purpose machine for broader applications
- Fully enclosed safety design, automatic alarm when the door is opened, ensuring safety from the inside out
- Intelligent zoned dust removal, ensuring safe and clean production

Technical Parameters

Model	PG3015T	PG6015T	PG4020T
Working Area	3050mm*1530mm	6050mm*1530mm	4050mm*2030mm
Laser Power	1.5-6KW	1.5-6KW	1.5-6KW
Positioning Accuracy	0.03mm	0.03mm	0.03mm
Repositioning Accuracy	0.02mm	0.02mm	0.02mm
Max. Linkage Speed	120m/min	120m/min	120m/min
Max.Acceleration	1.2G	1.2G	1.2G

Sheet Fiber Laser Cutting Machine

Performance Laser Cutting machine

S Series

Dynamic Sheet Fiber Laser Cutting Machine

- Integrated design, compact footprint, flexible mobility, easy assembly and disassembly, ready for immediate use
- EU safety standards, full protective design on a single platform for enhanced safety
- Intelligent partitioned dust removal, ensures efficient and clean production

Technical Parameters

Model	S1530
Working Area	3060mm*1530mm
Laser Power	1.5-12KW
Positioning Accuracy	0.03mm
Repeat Positioning Accuracy	0.02mm
Maximum Operating Speed	115m/min
Maximum Acceleration	0.8G

Sheet Fiber Laser Cutting Machine

Classic Laser Cutting Machine

GR Series

Ground-rail sheet fiber laser cutting machine

- Customizable cutting size, tailored to meet the needs of full sheet thick plate cutting
- Ground rail split bed structure, effectively reduces vibrations, ensuring cutting precision
- Modular worktable, easy to disassemble, transport, and maintain

Technical Parameters

Model	GR2500	GR3200	GR4000
Straight Cutting Width	12100*2550mm/16100*2550mm 20100*2550mm	12100*3250mm/16100*3250mm 20100*3250mm	12100*4050mm/16100*4050mm 20100*2550mm
Bevel Width (Optional)	11350*1800mm/15350*1800mm 19350*1800mm	11350*2500mm/15350*2500mm 19350*2500mm	11350*3300mm/15350*3300mm 19350*3300mm
Laser Power	6-60kW	6-60kW	6-60kW
Positioning Accuracy	0.1mm/m	0.1mm/m	0.1mm/m
Maximum Operating Speed	80m/min	80m/min	80m/min
Maximum Acceleration	0.8G	0.8G	0.8G

Classic Laser Cutting Machine

FT Series

Efficient Sheet and Tube Fiber Laser Cutting Machine

- Integrated sheet and tube design, dual-purpose machine for broader applications
- Modular worktable design, facilitates disassembly, transportation, and maintenance
- Professional integrated sheet and tube intelligent control system, simple and easy to operate

Technical Parameters

Model	F3015T	F6015T	FG6020T
Working Area	3050mm×1530mm	6050mm×1530mm	6050mm×2030mm
Laser Power	1.5-6KW	1.5-6KW	1.5-6KW
Positioning Accuracy	0.03mm	0.03mm	0.03mm
Repeat Positioning Accuracy	0.02mm	0.02mm	0.02mm
Maximum Operating Speed	115m/min	115m/min	115m/min
Maximum Acceleration	0.8G	0.8G	0.8G

Tube Fiber Laser Cutting Machine

Performance Laser Cutting machine

TZ Series

Heavy-duty Four-chuck Tube Fiber Laser Cutting Machine

- Innovative four-chuck design, “2+2” processing mode for simultaneous loading and unloading
- Side-mounted bed structure, low center of gravity and heavy load capacity, combined with multi-point support for more stable cutting of heavy tubes
- All four chucks are movable, enables zero-waste processing of entire tubes

Technical Parameters

Model	TZ12055
Laser Power	3-20kW
Maximum Raw Material Length	12500mm
Round Tube Diameter	Φ30-Φ550mm
Square Tube Side Length	□30*30-□550*550mm
Maximum Acceleration	0.3G

Sheet Fiber Laser Cutting Machine

Classic Laser Cutting Machine

F Series

Efficient Sheet Fiber Laser Cutting Machine

- High rigidity structure bed design, high load-bearing capacity, low deformation, ensuring more stable cutting
- Modular worktable design, facilitates disassembly, transportation, and maintenance
- Intelligent control system, simple and easy to operate

Technical Parameters

Model	F3015	F4020	F6020	F8025
Working Area	3050mm*1530mm	4050mm*2030mm	6050mm*2030mm	8050mm*2530mm
Laser Power	1.5-20KW	1.5-20KW	1.5-20KW	1.5-20KW
Positioning Accuracy	0.05mm	0.05mm	0.05mm	0.05mm
Repeat Positioning Accuracy	0.03mm	0.03mm	0.03mm	0.03mm
Maximum Operating Speed	115m/min	115m/min	115m/min	115m/min
Maximum Acceleration	0.8G	0.8G	0.8G	0.8G

Tube Fiber Laser Cutting Machine

Performance Laser Cutting machine

TE Series

Heavy-duty Three-chuck Tube Fiber Laser Cutting Machine

- Side-mounted bed design with a low center of gravity and heavy load, equipped with multiple support points for greater stability during heavy tube cutting
- Three movable chucks allow for unrestricted cutting of long and complete tubes, achieving zero waste
- Enables efficient loading and unloading of multiple tubes for high productivity

Technical Parameters

Model	TE12035
Laser Power	3-12kW
Maximum Raw Material Length	12500mm
Round Tube Diameter	Φ15-Φ350mm
Square Tube Side Length	□15*15-□350*350mm
Maximum Acceleration	0.6G

Tube Fiber Laser Cutting Machine

Classic Laser Cutting Machine

TS Series

Three-chuck Tube Fiber Laser Cutting Machine

- Horizontal heavy-duty bed frame, low center of gravity with high load capacity, supported by multiple points, ensuring more stable cutting of heavy tubes
- Movable triple chuck design, allows unrestricted cutting of long and whole tubes, achieving zero tail material
- Dynamic support system, prevents tube sagging and swinging, ensuring cutting precision

Technical Parameters

Model	TS6020	TS12035
Laser Power	3-12kW	3-12kW
Maximum Raw Material Length	6300mm	12500mm
Round Tube Diameter	Φ15-Φ230mm	Φ15-Φ350mm
Square Tube Side Length	□15*15-□230*230mm	□15*15-□350*350mm
Maximum Acceleration	1.5G	0.8G

Tube Fiber Laser Cutting Machine

Classic Laser Cutting Machine

TH Series

High-speed Tube Fiber Laser Cutting Machine

- 200r/min maximum rotational speed, 130m/min high-efficiency feeding, high-speed processing for increased efficiency
- Side-mounted bed structure, combined with the forward-moving chuck feature, enables the cutting of long workpieces
- Equipped with an automatic loading system, enables smart, efficient production while reducing labor costs

Technical Parameters

Model	TH6012	TH6020	TH6035
Laser Power	1.5-3kW	1.5-6kW	3-12kW
Maximum Raw Material Length	6300mm	6300mm	6300mm
Round Tube Diameter	Φ10-Φ120mm	Φ15-Φ230mm	Φ15-Φ350mm
Square Tube Side Length	□10*10-□120*120mm	□15*15-□230*230mm	□15*15-□350*350mm
Maximum Acceleration	1.5G	1.5G	0.8G

Tube Fiber Laser Cutting Machine

Classic Laser Cutting Machine

TG Series

Efficient Tube Fiber Laser Cutting Machine

- Wide cutting application range, suitable for various types of tube cutting
- The high-rigidity horizontal bed structure ensures high load-bearing capacity, providing more stable high-speed cutting
- The intelligent bus system offers low latency, high responsiveness

Technical Parameters

Model	TG6012	TG6020	TG6035
Laser Power	1.5-3kW	1.5-6kW	3-12kW
Maximum Raw Material Length	6300mm	6300mm	6300mm
Round Tube Diameter	Φ10-Φ120mm	Φ15-Φ230mm	Φ15-Φ350mm
Square Tube Side Length	□10*10-□120*120mm	□15*15-□230*230mm	□15*15-□350*350mm
Maximum Acceleration	1.5G	1.5G	0.8G

Performance Laser Cutting machine

R Series

Coil Laser Cutting Production Line

- Integrating four major functions: uncoiling, leveling, cutting, and blanking
- Continuous cutting allows for simultaneous feeding and discharging
- The fully enclosed protective design ensures safer production

Technical Parameters

Model	R3015	R4015
Working Area	3050mm*1530mm	4050mm*1530mm
Laser Power	1.5-6KW	1.5-6KW
Positioning Accuracy	0.03mm	0.03mm
Maximum Operating Speed	115m/min	115m/min
Maximum Acceleration	1.0G	1.0G

Flagship Laser Cutting machine

CELL Series

3D Five-axis Fiber Laser Cutting Machine

- Adopts a gantry dual-side drive, providing a more stable structure
- Complies with CE international standards, with full internal video surveillance.
- High idle speed, fast cutting speed, and multi-station loading.

Technical Parameters

Model	CELL3122
Model support power	1KW-6KW
X/Y/Z-axis travel	2200mm/3100mm/680mm
A-axis travel	±135°
C-axis travel	Nx360°
Dimensions	8000*9000*3700mm
Overall weight	13000kg

LCS Series

Loading And Unloading-Servo(Cantilever)

Technical Parameters

Model	LCS
Applicable Sheet Material	Carbon steel, Stainless steel, Aluminum
Max Feeding Sheet Size	3000*1500/4000*2000
Min Feeding Sheet Size	1200*1000
Max Feeding Sheet Weight	500KG
Rotation Angle	120°
Compatible Models	H/PG/F

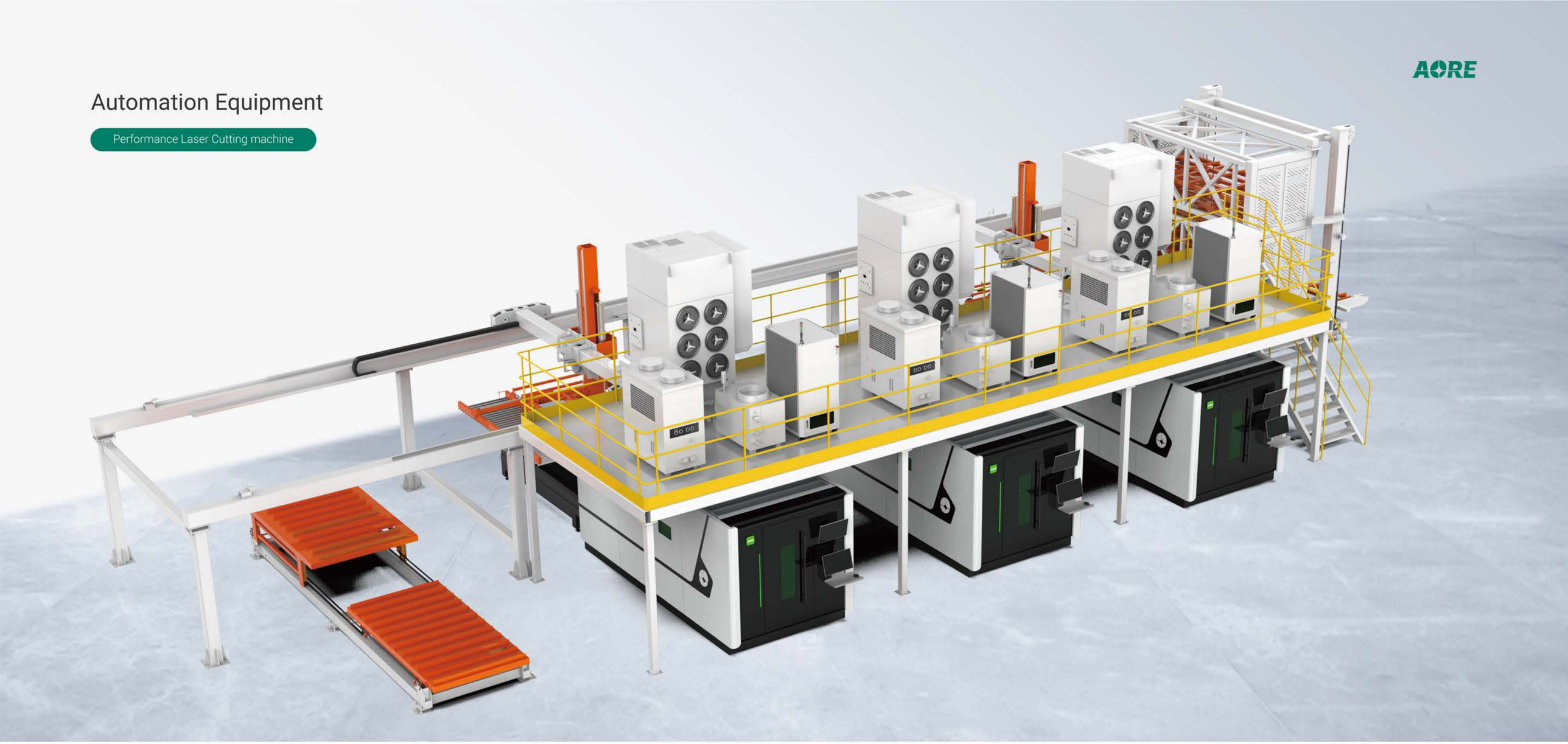
LGS Series

Loading And Unloading-Single(Gantry)

Technical Parameters

Model	LGS
Applicable Sheet Material	Carbon steel, Stainless steel, Aluminum
Max Feeding Sheet Size	3000*1500/4000*2000
Min Feeding Sheet Size	1200*1000
Max Feeding Sheet Weight	500KG
Single layer loading weight of exchange trolly	3t
Single layer loading height of exchange trolly	200mm

Performance Laser Cutting machine



3015LGD+RW

One-to-three Automated Material Storage System

- Adopts a modular 1+N design, enabling single-machine and multi-machine linked production.
- Multi-level material storage units and loading/unloading systems are tailored to greatly improve site utilization based on customer needs.
- Various safety interlock switches ensure safe machine operation and guarantee the safety of maintenance personnel entering the work area.

Technical Parameters

Model	3015LGD+RW
Max. loading/unloading sheet size	3000*1500mm
Min. loading/unloading sheet size	1200*1000mm
Max. loading/unloading sheet weight	1000kg
Number of material storage layers	8 Layers
Trolley loading weight	3t
Single layer loading height of exchange trolley	200mm

LGS+RW Series

Sheet Metal Automatic Production Line

- The intelligent three-dimensional material storage system maximizes warehouse space efficiency
- The fully automated laser cutting production line enables efficient and continuous cutting, freeing up manual labor
- The modular design of the material storage system facilitates easy assembly, disassembly, and transportation

Technical Parameters

Model	LGS+RW	
Rated Size of Plate	3000*1500mm	Optional selection for other sizes
Number of Pallet Layers	8	
Maximum Weight per Layer	3T	
Maximum Stacking Height per Layer	120mm	
Applicable Models	PG/H	

THA Series

Fully Automatic Tube Loading Device

Technical Parameters

Model	THA6160
Feeding Method	Fully Automatic Feeding
Tube Length	6000-6200 mm
Tube Types	Square Tubes, Round Tubes, Rectangular Tubes
Tube Size Range	Round Tube Φ20-Φ120 mm, Square Tube 20-120 mm, External Circular Diameter ≤120 mm
Applicable Models	TH6016

HA Series

Fully Automatic Tube Loading Device

Technical Parameters

Model	HA6230
Feeding Method	Fully Automatic Feeding
Tube Length	6000-6200mm
Tube Types	Square Tube, Round Tube, Rectangular Tube
Tube Size Range	Round Tube Φ30-220 mm, Square Tube 30*30-220*220 mm
Applicable Models	TS6020

A Series

Automatic Tube Loading Device

Technical Parameters

Model	A6230
Feeding Method	Fully Automatic Feeding
Tube Length	5800-6400mm
Tube Types	Square Tube, Round Tube, Rectangular Tube
Tube Size Range	Round TubeΦ30-Φ220mm, Square Tube 30-150mm
Applicable Models	TG6020, TS6020

S Series

Automatic Tube Loading Device

Technical Parameters

Model	S6230	S9230	S12230	S6350	S6350
Feeding Method	Automatic Feeding				
Maximum Tube Length	6000±50mm	9000±50mm	12000±50mm	6000±50mm	12000±50mm
Tube Types	Square Tube, Round Tube, Rectangular Tube			Square Tube, Round Tube, Rectangular Tube, Channel Steel	
Tube Size Range	Round Tube Φ30-Φ220mm, Square Tube 30-150mm, Outer Circle Diameter ≤220mm			Round Tube Φ20-Φ350mm, Square Tube 20-250mm, Outer Circle Diameter ≤350mm	
Applicable Models	TG6020 TS6020	TG9020 TS9020	TG12020 TS12020	TG6035 TS6035	TG12035 TS12035

Flagship Laser Welding Machine

WTP Series

Fully Automatic Enclosed Plate Platform Laser Welding Machine

Technical Parameters

Model	WT1008P	WT1010P	WT1100P
Power	1500W/2000W	1500W/2000W	1500/2000/3000W
Operation Mode	Continuous/Modulated		
Weld Requirements	≤0.5mm		
Welding Speed	0-120mm/s		
Cooling Method	Intelligent dual-temperature control water chiller		
Temperature Range	5-40℃		

Performance Laser Welding Machine

WT Series

Platform Fully Automatic Laser Welding Machine

Technical Parameters

Model	WT1008	WT1010	WT1210
Power	1500W/2000W	1500W/2000W	1500/2000/3000W
Operation Mode	Continuous/Modulated		
Weld Requirements	≤0.5mm		
Welding Speed	0-120mm/s		
Cooling Method	Intelligent dual-temperature control water chiller		
Temperature Range	5-40℃		

Performance Laser Welding Machine

HW Series

Handheld Laser Welding Machine

Technical Parameters

Model	HW 1500W	HW 2000W	HW 3000W
Power	1500W	2000W	3000W
Operation Mode	Continuous/Modulated		
Weld Requirements	≤0.5mm		
Welding Speed	0-120mm/s		
Cooling Method	Intelligent dual-temperature control water chiller		
Temperature Range	5-40°C		

Performance Laser Cleaning Machine

LC Series

Handheld Laser Cleaning Machine

Technical Parameters

Model	LC 1500W	LC 2000W	LC 3000W
Power	1500W	2000W	3000W
Cleaning Speed	8-40m²/h	10-60m²/h	20-80m²/h
Working Mode	Continuous/Modulated		
Laser Wavelength	1080±10 nm		
Cooling Method	Intelligent dual-temperature and dual-control chiller		
Temperature Range	5-40°C		

Quality Standard

Standardized Design

Eliminating technical barriers between core components by deeply optimizing their compatibility, and setting standards from the design phase.

Standardized Production

Establishing standardized production processes to improve product yield and ensure consistent quality across core component production batches.

Standardized Inspection

Strictly implement the ISO 9001 quality management system to ensure that all products meet technical standards, and all products are certified by CE and FDA.

Standardized Delivery

Adhering to rigorous standards for product delivery, training, and after-sales service, creating an integrated standardized delivery process.

QC System

AORE focuses on the lean manufacturing of high-quality laser equipment, paying attention to every detail in the production process. All inspection items fully comply with QC system quality standards, ensuring exceptional product quality that earns the trust of our customers.

QC System

To ensure the perfect delivery of high-quality laser equipment, AORE strives for excellence in every step of the production process, with strict quality control over every detail

Whole Industry Chain Model

Cutting Parameter Table (Master Table)

Material	Thickness	60000W	40000W	30000W	20000W	12000W	6000W	3000W Cutting speed m/min
Carbon Steel	1	30-55	30-55	30-55	30-55	30-45	30-35	20-25
	2	30-55	30-55	30-55	30-55	30-35	30-35	17-22
	3	30-45	30-45	30-35	20-30	20-25	15-20	2.6-3.3
	4	30-35	25-35	23-28	20-25	15-20	9-13	2.4-3
	5	25-28	25-28	22-26	20-22	12-15	7-9	2.4-2.8
	6	22-24	22-24	20-23	18-20	10-13	6-8	2.2-2.6
	8	16-20	16-20	18-20	14-16	7-10	2.2-2.6	1.8-2.1
	10	14-17	14-17	14-16	9-12	6-6.5	2-2.4	1.4-1.6
	12	11-13	11-13	9-12	7-8	1.6-2	1.6-2	1-1.2
	14	8-9.5	8-9.5	7-8	4-6	1.6-1.8	1.2-1.4	0.7-0.9
	16	7.5-9	7.5-8.5	4-6	2-3	1.5-1.6	1-1.2	0.6-0.7
	18	7-9	7-8	5-5.5	1.5-2	1.4-1.5	0.8-1.1	0.6-0.68
	20	7-9	5-5.5	4-5	1.3-1.4	1.3-1.4	0.6-0.7	0.55-0.65
	25	4-5	3-4	1-1.2	1-1.2	0.7-0.9	0.5-0.6	
	30	2.8-3.4	1-1.5	0.9-1.1	0.9-1.1	0.4-0.6	0.25-0.35	
	40	2-2.5	0.6-0.8	0.4-0.6	0.4-0.6	0.2-0.3		
	50	1.5-2	0.3-0.5	0.4-0.6	0.3-0.4			
	60	0.3-0.5	0.3-0.5	0.3-0.4	0.2-0.3			
	70	0.3-0.5	0.3-0.5	0.2-0.25				
	80	0.3-0.4	0.4-0.6					
	100	0.2-0.3						
Stainless Steel	1	30-55	30-55	30-55	30-55	30-45	30-35	20-25
	2	30-55	30-55	30-55	30-55	30-35	30-35	17-22
	3	30-45	30-45	30-35	20-30	20-30	15-20	6-8
	4	30-35	25-35	23-28	20-25	15-20	9-13	4-6
	5	25-30	25-28	22-26	20-24	12-15	8-11	2.5-3.5
	6	22-25	22-25	22-25	10-13	10-13	6-8	1.8-2.3
	8	20-25	20-23	18-22	13-16	7-10	3-4	0.9-1.2
	10	18-22	16-21	13-16	10-12	6-6.5	1.5-2.5	0.4-0.6
	12	13-15	12-14	10-12	8-10	5-5.5	1-1.4	0.1-0.2
	14	11-13	10-12	8-10	6-8	3-3.5	0.8-1.2	
	16	12-14	9-11	5-6	3.2-4	2-2.3	0.6-0.8	
	18	9-12	6-8	4-5	3-3.5	1.3-1.5	0.2-0.4	
	20	7-7.8	4.5-5.5	3-4	2.5-3	1.2-1.4		
	25	4-4.5	3-4	1.5-2	1.5-2	0.7-0.9		
	30	3.2-4	1.5-2	1-1.2	1-1.2	0.3-0.5		
	40	1.8-2.2	0.5-0.8	0.8-1	0.5-0.8			
	50	1-1.2	0.4-0.6	0.5-0.8	0.2-0.3			
	60	0.7-0.8	0.2-0.3	0.2-0.4				
	70	0.55-0.65	0.2-0.3					
	80	0.4-0.5						
	90	0.3-0.4						
	100	0.25-0.35						

Note: The cutting parameters on-site are influenced by various factors such as material quality, cutting gas, and on-site conditions. Therefore, they should not be used as the basis for equipment acceptance or quality traceability. These parameters are for reference only, and AORE reserves the right of final interpretation!

Material	Thickness	40000W	30000W	20000W	12000W	6000W	3000W
Aluminum	1	30-55	30-55	30-55	30-45	30-35	20-25
	2	30-55	30-45	30-45	30-35	30-35	14-16
	3	30-45	30-35	20-30	20-25	20-25	6-8
	4	25-35	20-25	20-25	15-17	8-13	3-5
	5	20-25	12-18	15-20	13-15	4.5-7.5	2-2.5
	6	18-22	10-12	10-12	10-12	4-7	1.2-2.0
	8	14-17	10-12	10-12	6-8	2-3.5	
	10	11-13	10-12	9-10	4-6	1.5-2	
	12	9-11	9-10	5-6	2-3	1-1.2	
	14	8-10	7-9	4.5-5.5	2-2.2	0.6-0.8	
	16	5-7	5-6	3-4	1.3-2	0.2-0.4	
	18	4-6	4-5	2.5-3.5	0.8-1.2		
	20	3-3.5	3-4	1.5-2	0.5-0.7		
	25	2-3	1.5-2	1-1.2	0.2-0.3		
	30	1-1.5	1-1.2	0.8-1			
	40	0.4-0.6	0.8-1	0.5-0.8			
	50	0.2-0.3	0.5-0.8	0.4-0.6			
	60	0.2-0.25	0.4-0.6				
	70	0.1-0.2					
	80						
	100						
Copper	1	30-45	20-25	20-25	20-25	20-25	20-25
	2	30-40	20-25	20-25	20-25	20-25	10-13
	3	30-45	18-22	18-22	18-22	7-9	5-7
	4	30-35	12-15	12-16	12-14	8-13	2-3
	5	20-25	12-14	12-15	11-13	6-7	1-1.5
	6	18-22	12-14	12-15	8-10	3-5	0.3-0.4
	8	10-14	10-12	8-10	5-7	1.8-2.1	
	10	8-11	8-9	7-8	4-5	1.3-1.6	
	12	6-8	3-4	2.5-3.5	1.8-2	0.9-1.1	
	14	5.5-7.5	2.5-3.5	2-3	1-1.2	0.5-0.7	
	16	4-5	2-3	1.5-2	0.4-0.5		
	18	3-4	1-1.5	1.2-1.5			
	20	2.5-3	0.8-1	0.6-0.8			
	25	1-1.5					

Note: The cutting parameters on-site are influenced by various factors such as material quality, cutting gas, and on-site conditions. Therefore, they should not be used as the basis for equipment acceptance or quality traceability. These parameters are for reference only, and AORE reserves the right of final interpretation!