

Acme

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LASER CUTTING MACHINE  
**PROFESSIONAL MANUFACTURER**

Acme

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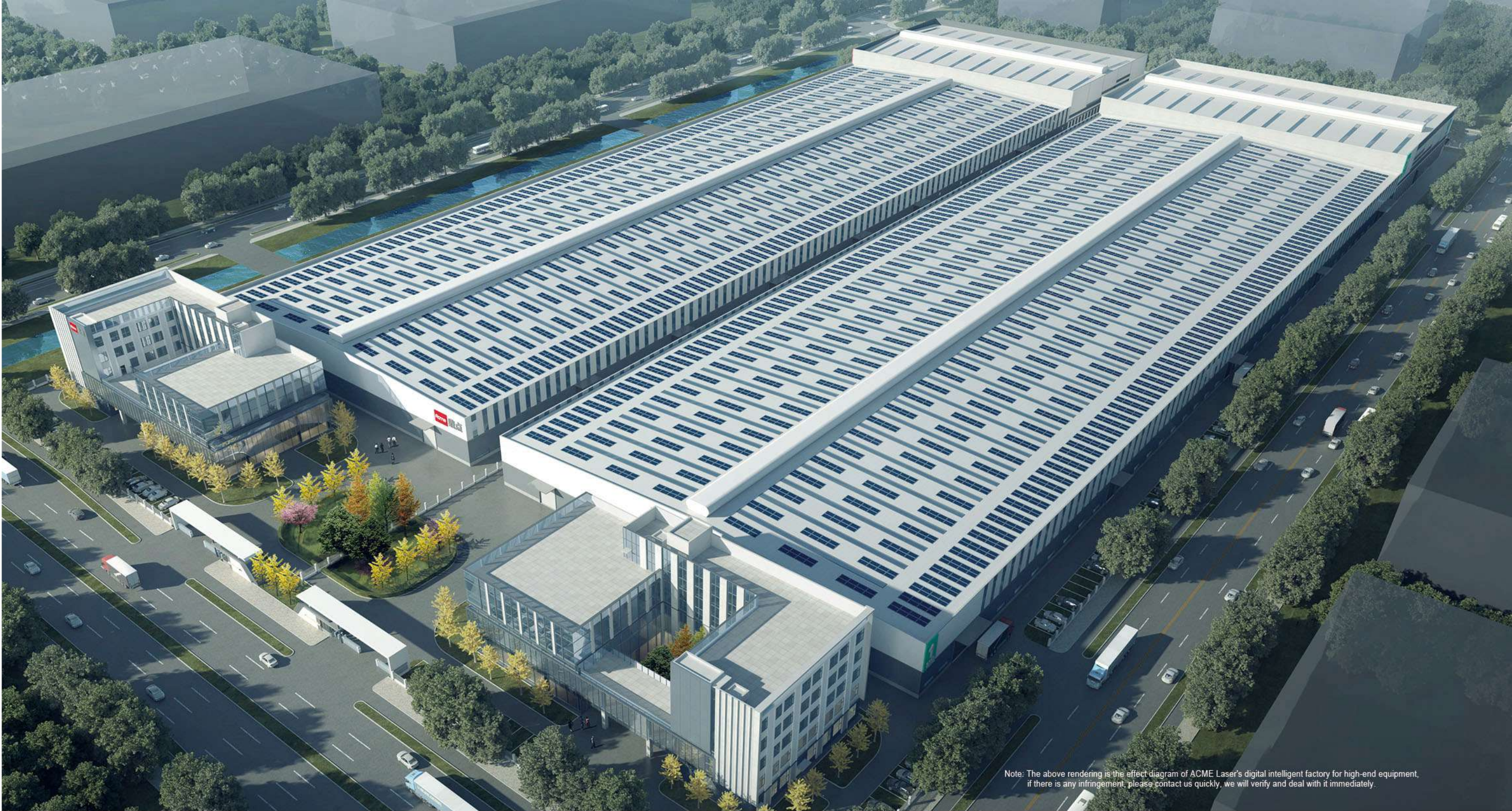
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# COMPANY PROFILE

Jinan Acme CNC Equipment Co., Ltd. was established in November 2016 in the Qibu District of Jinan, focusing on the laser tube cutting machine industry. The company is committed to becoming a global leader in laser equipment. Its high-power bevel laser tube cutting machines rank among the top in the industry, with products exported to over 60 countries and regions, including the EU, the United States, Australia, and Southeast Asia.

The company adheres to a strategy of innovation-driven growth. Its independently developed "High-Power Laser Tube Bevel Cutting Technology" has broken the foreign industry's monopoly, allowing domestic laser cutting heads to achieve 45° bevel cutting. This innovation was included in the Shandong Province Innovation Capacity Enhancement Program and won the 2023 Laser Processing Industry "Ringier Technology Innovation Award." Acme is the Engineering Research Center for "High-Power Laser Tube Bevel Cutting Technology" in Jinan and the "One Enterprise, One Technology" R&D platform in the Jinan City. Acme has obtained 120 authorized intellectual property rights.

Jinan Acme CNC Equipment emphasizes green development and lean management, having earned certifications for its green (eco) product design, quality management systems, environmental management, energy management, intellectual property management, and EU CE. It has been recognized as a National High-Tech Enterprise, a "Gazelle" Enterprise in Shandong, a Specialized, Refined, and Innovative SME in Shandong, a "Morning Star Factory" for digital economy in Shandong, a "Tech-oriented" SME in Shandong, a key enterprise for high-end brand cultivation in Shandong, and a Green Factory in Jinan. It has also been awarded as one of the Top 50 Private Enterprises with Growth Potential in Jinan.



Note: The above rendering is the effect diagram of ACME Laser's digital intelligent factory for high-end equipment, if there is any infringement, please contact us quickly, we will verify and deal with it immediately.

## VISION

Become a global leader in laser processing!  
Contribute to the transformation and upgrading  
of China's manufacturing industry!

## MISSION

Focusing on the development and production  
of laser cutting machines, we provide intelligent  
and comprehensive solutions for laser cutting  
for customers worldwide!

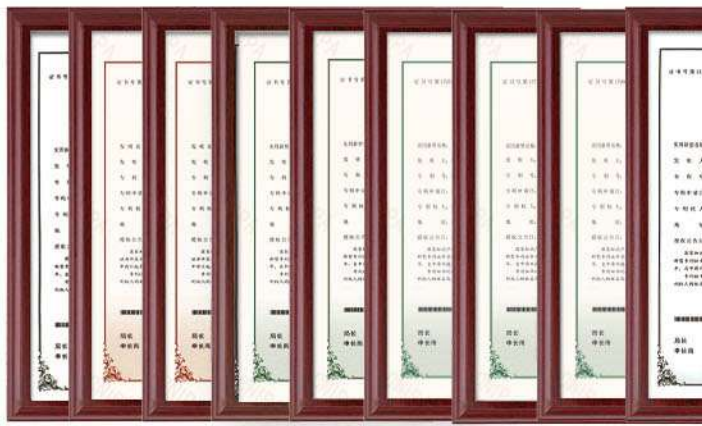
## VALUES

Based on customer demand, continuous innovation,  
to achieve customers, employees and enterprises to  
share a win-win situation!

# HONORS AND QUALIFICATIONS

Since its establishment, Acme has received numerous honors, including being named a "Gazelle Enterprise" in Shandong Province, a "Specialized, Refined, and Innovative SME" in Shandong, a "Tech-Oriented SME" in Shandong, a "Morning Star Factory" for digital economy in Shandong, a key enterprise for high-end brand cultivation in Shandong, a Green Factory in Jinan, one of the Top 50 Private Enterprises with Growth Potential in Jinan, and an Outstanding Contribution Unit in the Qibu District.

Acme is the Engineering Research Center for the "High-Power Laser Tube Bevel Cutting Key Technology" Engineering Research Center in Jinan and the "One Enterprise, One Technology" R&D platform in the city. The company is also involved in the Shandong Province Innovation Capacity Enhancement Program for Tech-Oriented SMEs. Acme has an internal R&D department capable of designing and manufacturing core components independently. It has obtained 120 authorized intellectual property rights, including 12 invention patents, 65 utility model patents, 15 design patents, and 29 software copyrights. The company has a robust management system and has earned certifications such as ISO 9001 Quality Management System, Environmental Management System, Energy Management System, Intellectual Property Management System, Occupational Health and Safety Management System, and EU CE Certification.



# LEAN MANUFACTURING

Acme Laser specializes in laser tube processing and is a professional manufacturer of tube cutting machines.

New equipment is shipped daily to the world and has provided over three thousand authoritative laser solutions. It covers many famous enterprises and organizations such as China Electric Construction, China National Nuclear Corporation, PetroChina, YTO Group Corporation, CRRC Corporation, China Electrical Equipment Group, Xuzhou Mining Business Group, Shandong Energy Group, Longhua Technology Group, Zoomlion, Hyundai, Shandong Hi-speed Group, Taishan Sports Technology, Shandong Lsld Group, Hicorp, Jinneng Holding Group, Shanxi University of Technology, Wuhu Shipyard Co, Beiqi Foton Motor, Dongfeng Automobile, Aima Technology Group, Taikai Group and so on.

Reputation is our lifeline and high-quality manufacturing is the key to our success. We guarantee our output and delivery with strict production process management and systems such as PLM, ERP, MES and 5G digital services.



# BRAND STRENGTH

## INDUSTRY MODEL, CENTRAL NEWS MEDIA FOCUS

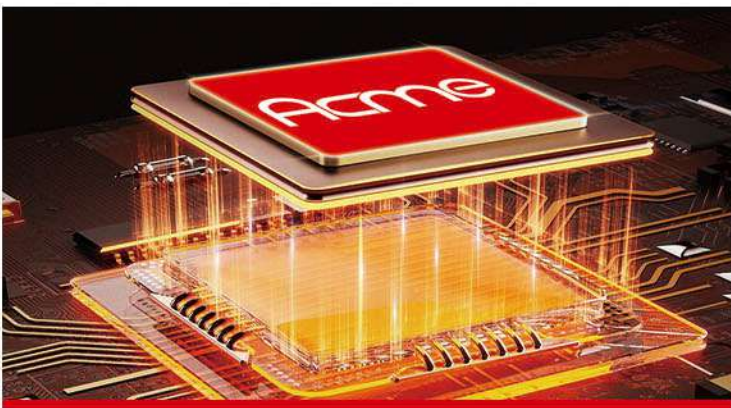
As a typical representative of industrial transformation and upgrading, ACME Laser has been interviewed by "World News" and Xinhua News Agency. Among them, CCTV News made a detailed report in the section of "Industrial province picks a big beam". Xinhua News Agency focused on the procurement, production and delivery full-cycle digital system, which integrates MES, ERP and other data to coordinate supply and scheduling, ensure timely supply and reliable quality, and realize highly effective management and control. You can also check the progress of the order and confirm the technical requirements in the visualization system.



## Powerful Combination, Bus Control



With the strategic cooperation with the leading enterprise Bochu, the system is developed twice, with superior performance in motion control, high-speed response and long-term stable operation. For example, high-power bevel cutting, dual Y-axis cutting, etc., from the flexible bevel angle and shape control, parallel work mode, fast positioning switching, error compensation ability, collaborative motion control with a variety of aspects to meet the diverse processing technology.



## Technological Breakthroughs, Breaking Through Barriers



"High-power laser pipe bevel cutting technology" successfully breaks the monopoly of foreign industry, so that the domestic ordinary laser cutting head can also realize  $\pm 45^\circ$  bevel cutting, for the domestic laser pipe processing industry to bring significant changes.



## High-power Pioneers With a Wealth of Cases



As a high-end laser equipment benchmark enterprise, ACME Laser has been involved in the field of high-power pipe cutting machine earlier, and has accumulated many application cases in the heavy pipe processing industry, such as steel structure, ship, new energy, photovoltaic, petroleum and so on.



# BRAND STRENGTH

## SMART NEW FACTORY, "LASER" INFINITE POSSIBILITIES

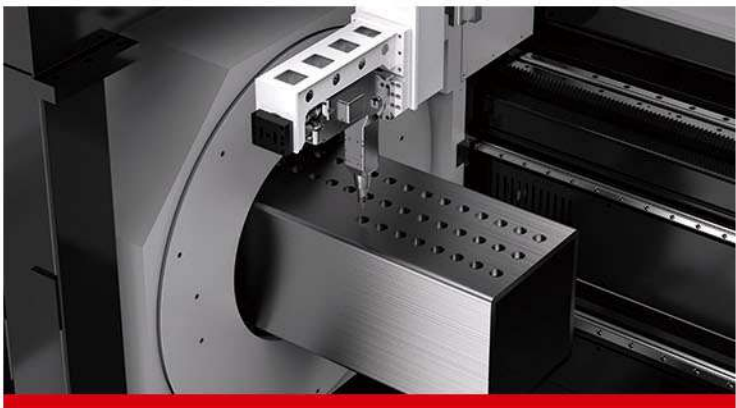
Acme laser high-end equipment digital intelligent factory project is under construction. The project, with an investment of 300 million yuan, covers an area of 90 acres, with a total capacity of 100,000 square metres, and is planned to have a research and development centre for laser equipment and key components, a robot + 3D vision workstation, an industrial Internet and information technology project, a workshop for general assembly and debugging of equipment, a base for the production and operation and maintenance of industrial robots, and an intelligent warehousing system, and so on. Upon completion, the project will become an industry-leading digital intelligent factory benchmark, leading the industry in a new direction.



## Innovative Technology, High Yield Operation



Static cutting technology to change the original processing mode, for medium and heavy pipe processing industry to bring a new processing experience; three chuck movement mode, to solve 90% of the zero tailing problem, in the metal processing industry has a wide range of applications.



## Independent Research and Development, Precision Guarantee



Heavy-duty, full-stroke chucks that hit the industry's pain points by eliminating the need to remove and replace jaws within the clamping range, increasing machining efficiency;ACME laser is an early independent development and manufacture of servo support manufacturers, successfully solved the problem of the accuracy of the feeding support, with exquisite technology to ensure product quality.



## Strength and Global Trust



Nearly ten years of experience in production and research, fifteen generations of independent products, sold in more than 60 countries and regions around the world. No matter what kind of problems encountered, ACME laser has strong strength to solve, is your trusted partner.



# CORE TECHNOLOGIES

## CHUCK TECHNOLOGY

ACME laser chuck R & D team adhere to independent innovation, has a strong R & D capability, access to a number of technology patents, completely independent intellectual property rights. Holds the United States Haas, Japan Mazak and Yingyuan and other high-precision CNC machining centres and testing instruments, and to achieve independent R & D and design and high-precision production and processing of core components. Simple structure, easy to install, “round outside and square inside”, using aluminium alloy panel, stainless steel outer cover fastening, exquisite appearance, strong and durable; more suitable for pipe cutting machine applications. Worry-free after-sales service, each chuck parts have independent code, convenient for later maintenance. Widely used for clamping square, round, rectangular, oval tubes, channels, angles, H-beams and special profiles.

TEN KEY TECHNOLOGIES			
Performances	Dominance	Performances	Dominance
Square Hole Design	Better passing ability	Double roller jaws	Stable clamping, anti-deformation of workpiece
Full-stroke clamping	No manual adjustment required	Rack and pinion interconnections	High clamping and positioning accuracy
Adoption of eight-cylinder structure	Twice the clamping force of ordinary chucks	Rear blowing dust removal structure with extended barrels	Can pass deeply through the front chuck for short tail stock cutting.
Grinding gears	More power, more efficiency	Fully concealed airway	Good sealing and long pressure retention time
Intelligently adjustable clamping force	Suitable for different types of pipe processing needs	Totally enclosed exterior dustproof structure	High level of dust protection

## COMPOSITE “2+1”CHUCK

High cutting accuracy: Equipped with two sets of inner and outer rollers and auxiliary clamping plate for composite clamping, effectively avoiding workpiece offset, shaking, deformation and other problems.

Zero-tail material: with the avoidance technology, it realises two-card zero-tail material cutting.

Good dynamic performance: lightweight design, fast rotation speed, small chuck inertia, fast response speed.

## Heavy Duty Full Stroke Pneumatic Chucks

No need to remove or replace the jaws within the clamping range to increase productivity; Maximum cutting weight per tube≤ 4T

⌀ 360mm



○ Round Tube: 30-350mm

□ Square Tube: 30-350mm

KG Chuck Holding Force: 500kg

⌀ 550mm



○ Round Tube: 70-540mm

□ Square Tube: 70-500mm

KG Chuck Holding Force: 1200kg

⌀ 650mm



○ Round Tube: 120-640mm

□ Square Tube: 120-450mm

KG Chuck Holding Force: 1600kg

⌀ 850mm



○ Round Tube: 200-840mm

□ Square Tube: 200-590mm

KG Chuck Holding Force: 1600kg

## Square Hole Chuck

Strong clamping force and wide clamping range

⌀ 120mm



○ Round Tube: 8-120mm

□ Square Tube: 8-120mm

Min Chuck Speed: 200r/min

⌀ 180mm



○ Round Tube: 10-180mm

□ Square Tube: 10-180mm

Min Chuck Speed: 120r/min

⌀ 230mm



○ Round Tube: 10-230mm

□ Square Tube: 10-230mm

Min Chuck Speed: 100r/min

⌀ 260mm



○ Round Tube: 15-250mm

□ Square Tube: 15-250mm

KG Chuck Holding Force: 200kg



⌀ 280mm

○ Round Tube: 15-280mm

□ Square Tube: 15-280mm

KG Chuck Holding Force: 200kg



⌀ 360mm

○ Round Tube: 30-350mm

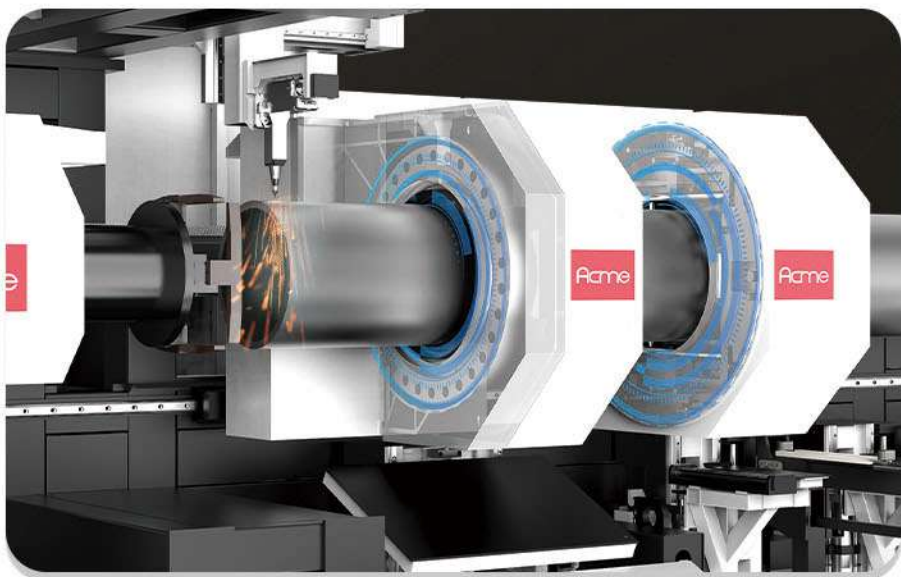
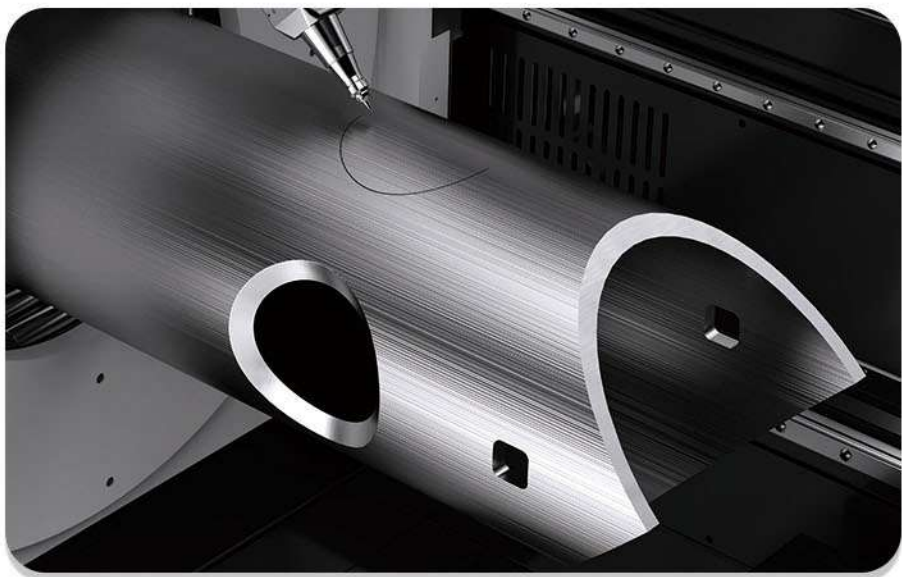
□ Square Tube: 30-350mm

KG Chuck Holding Force: 500kg

# CORE TECHNOLOGIES

## High-power Bevel Cutting

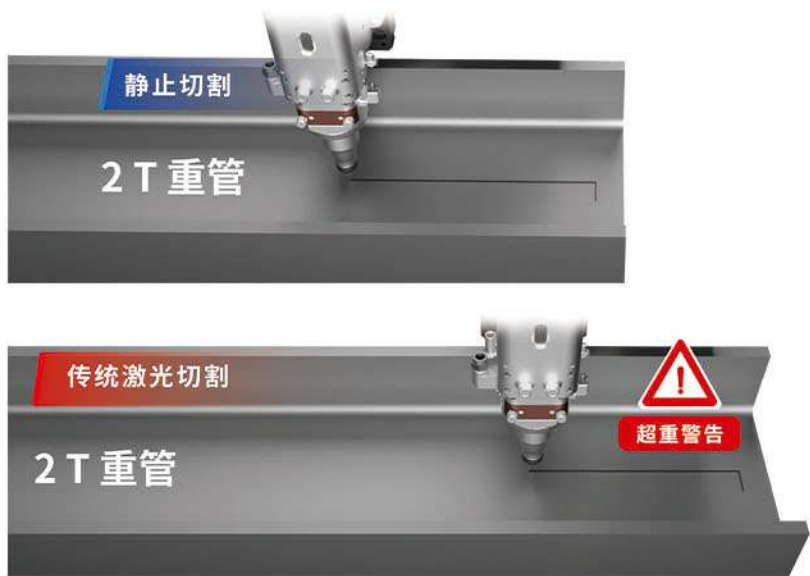
Self-designed pendulum bevel structure, ordinary laser head can also realize multi-angle high-precision bevel± 45° cutting, without secondary processing, improve the utilization rate of pipe and bevel cutting yield.



## Triple Chuck Motion Mode

All three chucks are movable, and the center chuck can be moved to the right side, allowing the last workpiece to be cut with high quality and zero-tail material cutting.

Free switching between three chucks and two chucks clamping optimizes the machining process and improves machining efficiency; Equipped with high-precision servo motor and gear transmission, it can realize synchronous rotation of multiple chucks to enhance cutting precision and speed.



## Static Cutting Technology

Cutting heavy pipes allows the pipe to be immobile and the cutting head to move along the pipe. Significantly reduces the range of pipe fluctuation, improves machining accuracy, and shortens machining time.

It is very friendly for cutting dense holes, and the advantages are even more obvious in the long run; The working process is softer, reduces emergency stopping and braking, and improves the service life of the whole machine.

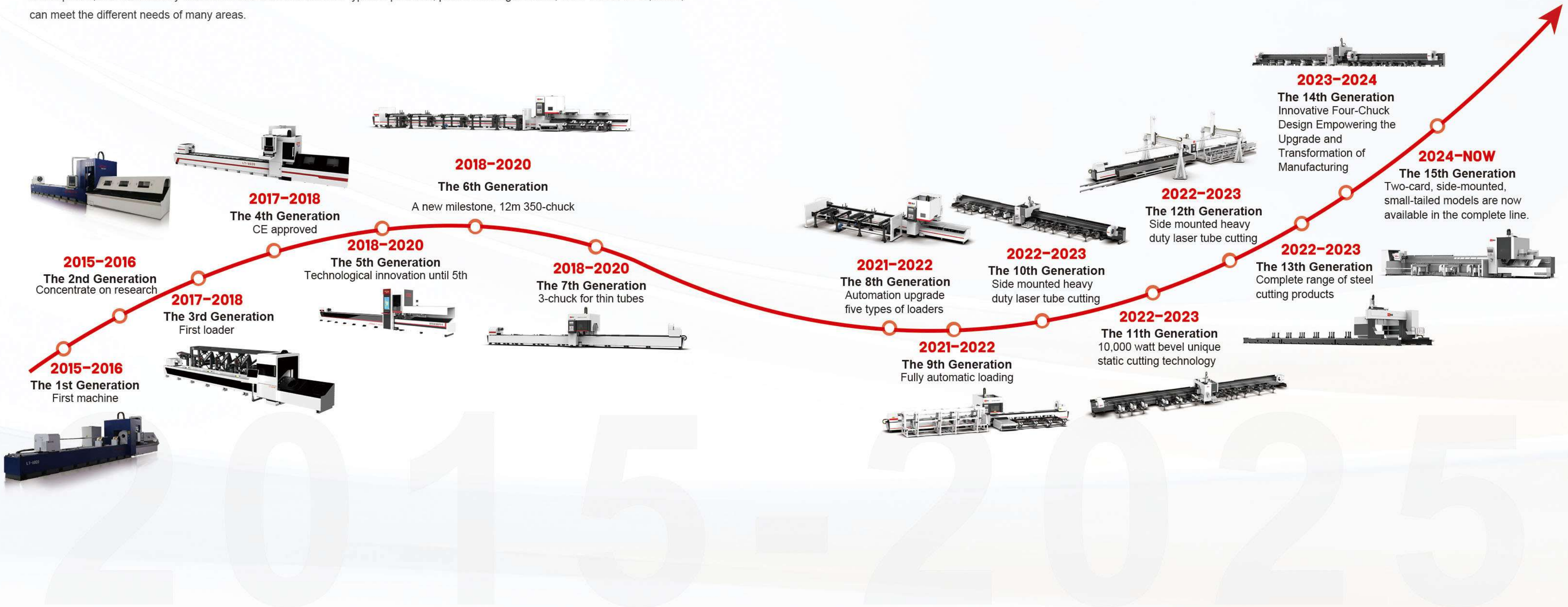
## Four Chuck Design

The 3rd and 4th chucks are united to realize double support. 4-point support at the loading end for stronger load bearing.



# PRODUCT ITERATION

ACME Laser's professional R&D team has been committed to innovation and continuous improvement for a long time. Product development, has successfully launched more than 100 different types of products, power coverage is wide, from 1500W to 40,000W, can meet the different needs of many areas.

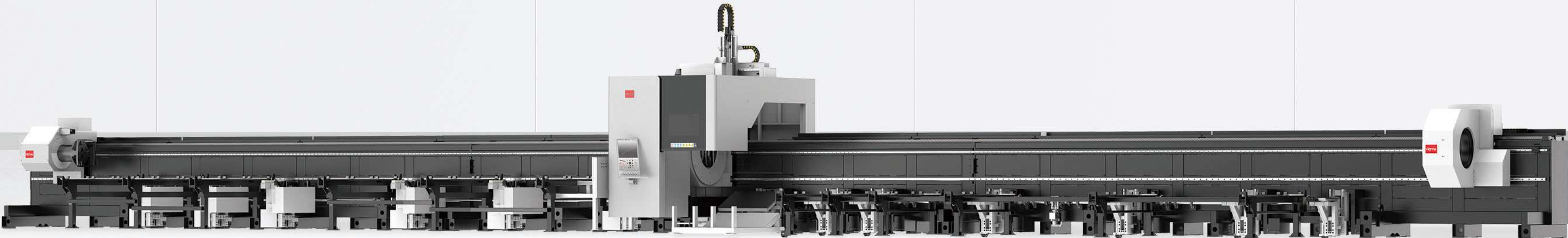


► SIDE-MOUNTED LASER TUBE CUTTING MACHINE

\*The bed size of the T series models is 12 meters as standard, and bed sizes of 6, 9, 12 and 15 meters are available as options.



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⚙ Ideal Solution for Large Projects With Large Diameter Tubes and Profiles

**T Series**  
High Power Heavy Duty Laser Tube Cutter

- Acme's self-developed Full-Stroke chuck and Static Cutting technology easily achieve a variety of complex operations, including whole tube cutting, stable cutting of long pipe fittings, and zero-tailing cutting.
- Capable of handling various bevel forms without the need for secondary processing, making welding more convenient.
- High-power design cuts all types of wall thickness materials; round tube, square tube, rectangular tube, H steel, I-beam, channel steel, angle steel, all kinds of shaped tube can be processed etc all can be processed.
- It can be customized with heat fusion, drilling and tapping functions to enhance comprehensive performance, improve processing efficiency and meet more complex process requirements.

Model	TKA550	TKA550(Square Chuck)	TKA650	TKA850
Laser power	6-30kw	6-30kw	6-30kw	6-30kw
Tube diameter	70-540mm	70-540mm	120-640mm	200-840mm
Processable pipe length	≤12500mm	≤12500mm	≤12500mm	≤12500mm
Cutting end material	≥0mm	≥0mm	≥0mm	≥0mm
Load capacity	2100kg	2100kg	2600kg	3000kg
Dimension	30500*4312*3750mm	30500*4312*3750mm	30500*4970*4000mm	31500*5500*4000mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.			

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► SIDE-MOUNTED LASER TUBE CUTTING MACHINE

\*The bed size of the T series models is 12 meters as standard, and bed sizes of 6, 9, 12 and 15 meters are available as options.



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⚙ Ideal solution for medium-sized pipe and profile projects

T Series

Medium Power Laser Tube Cutting Machine

- Heavy-duty machine tool type bed design, segmented welded, laser undercutting, coaxialization, and high operating accuracy.
- Servo-following palletizing mechanism, which can realize pipe clamping, jacking and discharging process, enhance the stability and safety of chuck passability and pipe processing, fixed on the bed, long term stable operation, no movement, no sinking.
- Round pipe, square pipe, rectangular pipe, H steel, I-beam, channel steel, angle steel, all kinds of shaped pipe can be processed.
- Buried feeding device, more safe and stable, 10S fast feeding, special profiles can also be applied, without manual intervention, saving labor costs and improving production efficiency.

Model	TKA360	TA280	TA260
Laser power	1-30kw	1-30kw	1-30kw
Tube diameter	30-350mm	15-280mm	15-250mm
Processable pipe length	≤12500mm	≤12500mm	≤12500mm
Cutting end material	≥0mm	≥0mm	≥0mm
Load capacity	1440kg	1000kg	1000kg
Dimension	29060*4000*3400mm	28800*3447*2900mm	28800*3447*2900mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.		

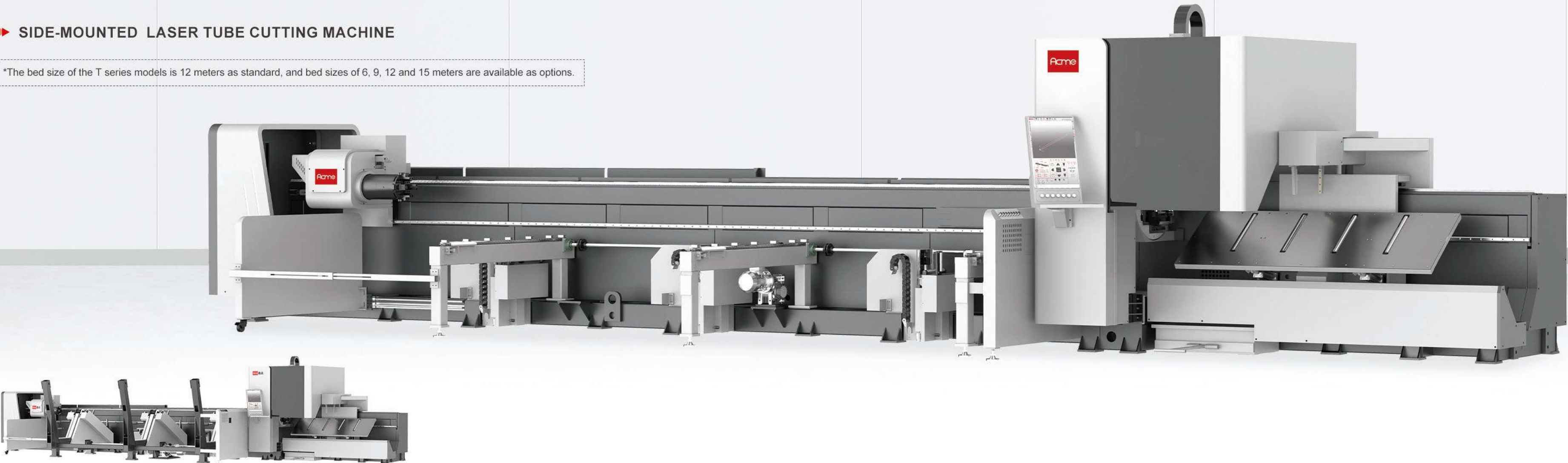
\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► SIDE-MOUNTED LASER TUBE CUTTING MACHINE

\*The bed size of the T series models is 12 meters as standard, and bed sizes of 6, 9, 12 and 15 meters are available as options.



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⚙ The new generation of solutions for long workpieces and small tails

**TF** Series

Two-Chuck Small Tail Material Laser Tube Cutting Machine

- The front chuck can be moved forward up to ≤1400mm, which can effectively prevent long workpieces from flinging and improve machining accuracy.
- Avoidance technology that controls the chuck for overrun avoidance , facilitate the reduction of tailing material, the minimum tailing material length is only 35mm.
- Centering clamping device, chuck and servo follower match loading to prevent the workpiece from flinging and guarantee the machining accuracy.
- Standard rear blowing dust extraction effectively removes debris and dust generated by cutting, preventing buildup and improving cutting quality.

Model	6026TFA	9028TFA	12036TFA
Laser power	6-30kw	6-30kw	6-30kw
Tube diameter	15-260mm	15-280mm	30-350mm
Processable pipe length	≤7000mm	≤9000mm	≤12500mm
Cutting end material	≥35mm	≥65mm	≥65mm
Maximum acceleration	1.2G	1.0G	0.7G
Dimension	11925*3447*2800mm	14425*3347*2800mm	17360*4000*3400mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.		

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► SIDE-MOUNTED LASER TUBE CUTTING MACHINE

\*The bed size of the T series models is 12 meters as standard, and bed sizes of 6, 9, 12 and 15 meters are available as options.



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**TN** Series

⚙ Zero-tail solutions for large projects with large diameter pipes and profiles

Four-Chuck Heavy Duty Laser Tube Cutting Machine

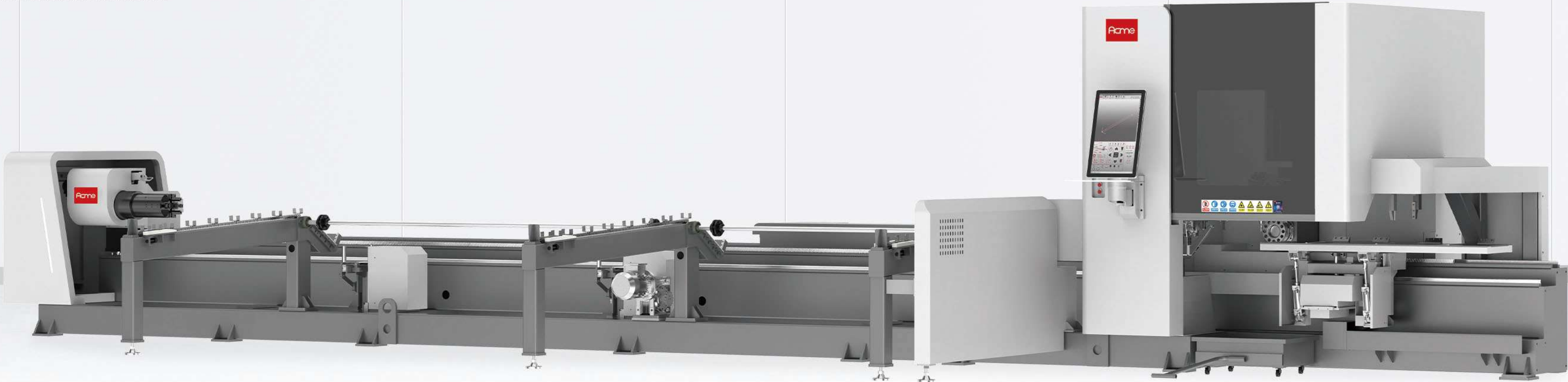
- Four chucks work together to realize multiple supports, strong load-bearing capacity and more stable cutting.
- Capable of zero-tailing cutting for super-heavy pipes and special-sized workpieces. With dual-process parallel operation, it reduces pipe processing time and improves overall processing efficiency.
- The high-power design allows for cutting materials of various wall thicknesses. It can process round pipes, square pipes, rectangular pipes, H-beams, I-beams, channel steel, angle steel, and various special-shaped pipes.
- proficient in V, Y, X, and K-type bevels, as well as gradient cutting, all without the need for secondary processing, making welding more convenient.

Model	TNKA550	TNKA550(Square Chuck)	TNKA650	TNKA850
Laser power	6-30kw	6-30kw	6-30kw	6-30kw
Tube diameter	70-540mm	70-540mm	120-640mm	200-840mm
Processable pipe length	≤12500mm	≤12500mm	≤12500mm	≤12500mm
Cutting end material	≥0mm	≥0mm	≥0mm	≥0mm
Load capacity	2100kg	2100kg	2600kg	3000kg
Dimension	32500*4312*3750mm	32500*4312*3750mm	32500*4970*4000mm	33500*5500*4000mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.			

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► SIDE-MOUNTED LASER TUBE CUTTING MACHINE

\*The bed size of the VF series models is 6 meters as standard.



⚙ Provides an ideal solution for small-sized pipes and profiles.

**VF** Series

Small Pipe Bevel Cutting Laser Tube Cutting Machine

- Zero Pendulum length 45° bevel technology: The laser head nozzle is positioned at the rotation center, eliminating the need for back-and-forth feeding of pipes, thus avoiding deformation caused by repeated clamping during material handling.
- Rich bevel cutting processes: Adapts to various bevel types without the need for secondary processing, making welding more convenient.
- Motion acceleration can reach up to 1.5G with fast response speed. The chuck rotation speed is high, up to 200 r/min, ensuring excellent dynamic performance.
- The middle chuck can move forward to avoid obstacles, improving cutting precision and reducing waste material. The minimum waste length is just 35mm.

Model	VFKA120	VFH120	VFKA180
Laser power	1-6kw	1-6kw	1-6kw
Tube diameter	8-120mm	8-120mm	10-180mm
Processable pipe length	≤6800mm	≤6800mm	≤6800mm
Cutting end material	≥35mm/≥0mm	≥35mm/≥0mm	≥35mm/≥0mm
Chuck speed	200r/min	200r/min	100r/min
Dimension	10990*3594*2145mm	10990*3710*2145mm	10990*3594*2145mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteel and specialpipe fittings, etc.		

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► HORIZONTAL LASER TUBE CUTTING MACHINE

\*The bed size of the G series models is 6 meters as standard, and bed sizes of 6, 9, 12 and 15 meters are available as options.



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⚙ High-precision solutions for medium-sized diameter tubes and profiles

**G** Series

Elite Laser Tube Cutting Machine

- Three-chuck linkage, punching at both ends, and intersection line cutting; The machine features three chucks with an automatic correction function. Additionally, it is equipped with servo-following support, effectively preventing pipe wobbling.
- It supports 45° bevel cutting and is capable of handling various bevel forms. The cutting edges are clean with no burrs, eliminating the need for secondary processing.
- Zero-tail cutting saves you production costs and meets the needs of more complex cutting.
- High-performance bus servo motor, the maximum feeding speed can be as large as 100m/min, to protect the equipment running speed.

Model	6018GH	6026GA	9028GY	12036GKA
Laser power	1-30kw	1-30kw	1-30kw	1-30kw
Tube diameter	10-180mm	15-250mm	15-280mm	30-350mm
Processable pipe length	≤6300mm	≤6300mm	≤9300mm	≤12300mm
Cutting end material	≥0mm	≥0mm	≥0mm	≥0mm
Maximum acceleration	1.2G	1.2G	1.0G	0.7G
Dimension	16100*4650*3000mm	16100*4100*3000mm	51697*7050*5108mm	28200*4800*2800mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.			

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► HORIZONTAL LASER TUBE CUTTING MACHINE

\*The bed size of the E series models is 6 meters as standard, and bed sizes of 6, 9, 12 and 15 meters are available as options.



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⚙ Highly effective solutions for most tubes and profiles

- Square hole chuck, pipe through the rate of strong, wide clamping range, can realize a wider range of work, to help you reduce the investment in equipment.
- Highly dynamic, the chuck moves at a speed of up to 110m/min, with a maximum speed of 200r/min and an acceleration of 1.5G.
- Dovetail structure bed, segmented servo-following support, automatic unloading device, precise positioning, and high cutting accuracy.
- The middle chuck advancement technology, with centering clamping devices, prevents pipe wobbling and enables ultra-short waste material cutting.

**E** Series

High-energy Laser Tube Cutting Machine

Model	6012EC	6026ES	9028EA	12036EKA
Laser power	1-30kw	1-30kw	1-30kw	1-30kw
Tube diameter	8-120mm	15-250mm	15-280mm	30-350mm
Processable pipe length	≤6300mm	≤6300mm	≤9300mm	≤12300mm
Cutting end material	≥65mm	≥65mm	≥65mm	≥65mm
Maximum acceleration	1.5G	1.2G	1.0G	0.7G
Dimension	16100*3450*2600mm	11600*2480*2600mm	14600*4000*2600mm	17600*4000*2600mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.			

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!.

► HORIZONTAL LASER TUBE CUTTING MACHINE

\*The bed size of the D series models is based on 6 meters.



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⚙️ Cost-effective solutions for small diameter tubes and profiles

**D Series**

**Best Selling Laser Tube Cutting Machine**

- High speed chuck, the fastest 200 rpm, fast cutting speed; small tail material technology, high material utilization.
- The gantry structure minimizes the vibration of the beam to ensure the cutting accuracy and no deformation in long-term use.
- Compact design for reduced footprint; easy installation and operation; high quality processing, low operating costs and excellent adaptability.
- Wide range of cutting applications, adapted to a variety of cutting conditions, for all types of pipe truncation or cutting complex graphics.

Model	6012D	6018DB	6023D
Laser power	1-6kw	1-6kw	1-6kw
Tube diameter	8-120mm	10-180mm	10-230mm
Processable pipe length	≤6300mm	≤6300mm	≤6300mm
Cutting end material	≥65mm	≥65mm	≥65mm
Chuck speed	200r/min	120r/min	100r/min
Maximum acceleration	1.5G	1.2G	1.2G
Dimension	9310*2380*2600mm	9310*3300*2600mm	9310*2380*2600mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.		

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!.

► HORIZONTAL LASER TUBE CUTTING MACHINE

\*The bed size of the A series models is based on 6 meters.



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⚙ The most economical solution for closed small diameter tube cutting

**A Series**

High Speed Laser Tube Cutting Machine

- High speed chuck, the fastest 200 rpm, high cutting efficiency. Each part of ACME self-developed chuck has ID number, which is convenient for care and maintenance.
- Adopting Ether CAT bus control system and bus servo drive, it guarantees your equipment operation response speed and real-time monitoring of servo motor status.
- Free upgrade of system; free upgrade of nesting software; free remote technical guidance; free help in drawing complex graphics; video guidance of operation. For you to reduce downtime waiting time.
- Equipped with a special roller support frame for tubing to prevent sagging deformation.

Model	6012A	6012AB
Laser power	1-3kw	1-3kw
Tube diameter	8-120mm	8-120mm
Processable pipe length	≤6300mm	≤6200mm
Cutting end material	≥65mm	≥65mm
Chuck speed	200r/min	200r/min
Maximum acceleration	1.5G	1.5G
Dimension	8930*1900*1960mm	8950*3050*1960mm
Tube Types	Squarepipe, roundpipe, rectangularpipe, I-beam, H-beam, anglesteel, channelsteeland specialpipefittings, etc.	

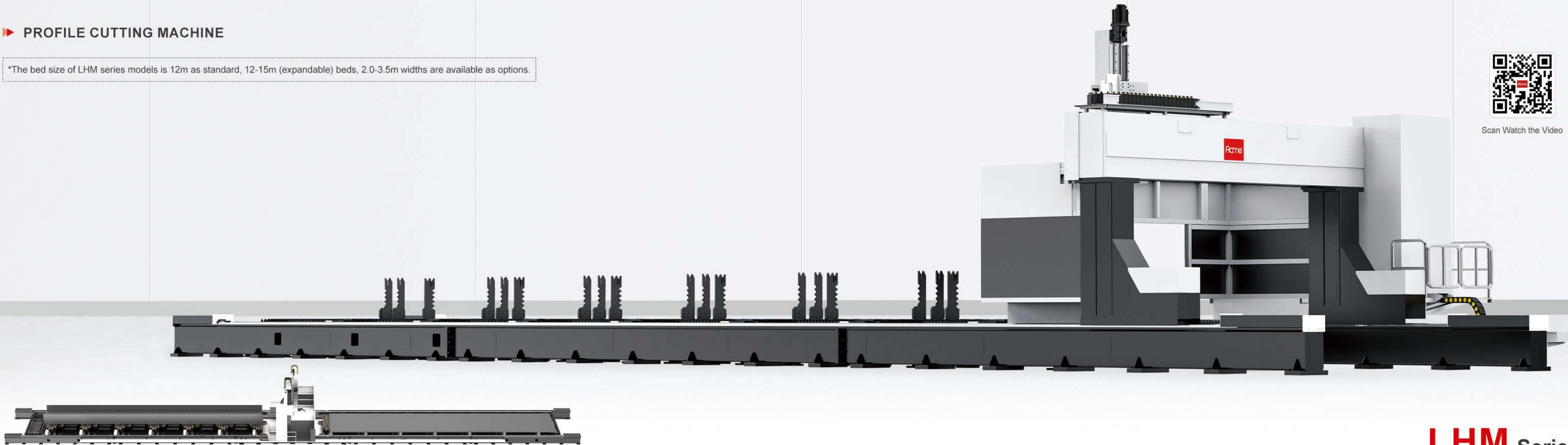
\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!.

► PROFILE CUTTING MACHINE

\*The bed size of LHM series models is 12m as standard, 12-15m (expandable) beds, 2.0-3.5m widths are available as options.



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⚙️ Cost-effective solutions for large projects with profiles

**LHM** Series  
Gantry Cutting Machine

- Profile, plate: cut off, cut holes, lettering, marking, scribing a machine to handle.
- Powerful cutting ability, one time processing molding; Butt various lap form bevel cutting process.
- Seamlessly interface with TEKLA, support TEKLA 3D modeling data file cutting.
- Unique structural design supports zero-tail cutting. Support customized duplex and all-in-one, etc.

Model	LHM-12020	LHM-12030	LHM-12035
Laser power	6-30kw	6-30kw	6-30kw
Load capacity	8T	8T	8T
Profiles max. cutting size	12000*1200*600mm	12000*1200*600mm	12000*1200*600mm
Plates max. cutting size	12000*2200*40mm	12000*2200*40mm	12000*2200*40mm
Dimension(Single workstation)	17800*5000*4400mm	17800*5800*4400mm	17800*6300*4400mm
Dimension(Dual workstation)	33500*5000*4400mm	33500*5800*4400mm	33500*6300*4400mm
Tube Types	I-beam/HW/HM/HN/Channel steel and metal plates		

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!.

► AUTOMATION DEVICES

Product Display



\*Adapted to E/G series



\*Adapted to T series

A Standard Automated Loading Machine

Automated loading solutions for most tubes and profiles

Model	A-6	A-9	A-12	A-12 (T)
Conveying material length	5900-6200mm	5900≤L≤6200mm 8900≤L≤9200mm	5900-6200mm 8900-9200mm 11900-12100mm	5900-6200mm 8900-9200mm 11900-12100mm
Tube cross-section size	≤350*350mm	≤350*350mm	≤350*350mm	≤650*650mm
Cross-section size	≤1500kg	≤1500kg	≤3000kg	≤3000kg
Weight	2.1T	2.5T	3T	1.2T
Loading time	15S	15S	15S	10S
Dimension	6415*2300*1512mm	9415*2300*1512mm	12315*2300*1512mm	12167*2777*1348mm

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!.

Product Display



\*Adapted to D/A/E series



\*Adapted to E/G series



B Lightweight Automated Loaders

Automated loading solutions for lightweight tubes and profiles

Model	B-6	C-9
Conveying material length	5900≤L≤6200mm	8650≤L≤9200mm
Tube cross-section size	≤100*100mm	≤170*170mm
Cross-section size	≤650kg	≤650kg
Weight	0.8T	1.1T
Loading time	15S	15S
Dimension	6410*1650*830mm	9460*1650*1200mm

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!.

► AUTOMATION DEVICES

Product Display



\*Adapted to E/G series



\*Adapted to T series

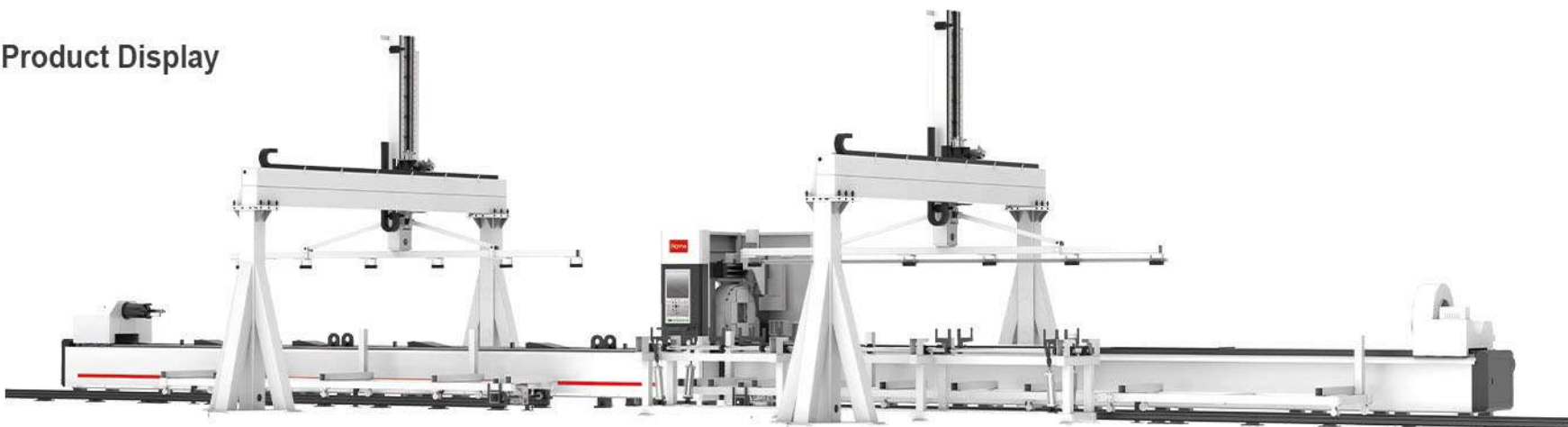
**H** Automatic Loading Machines

Fully automated feeding solutions for intelligent production

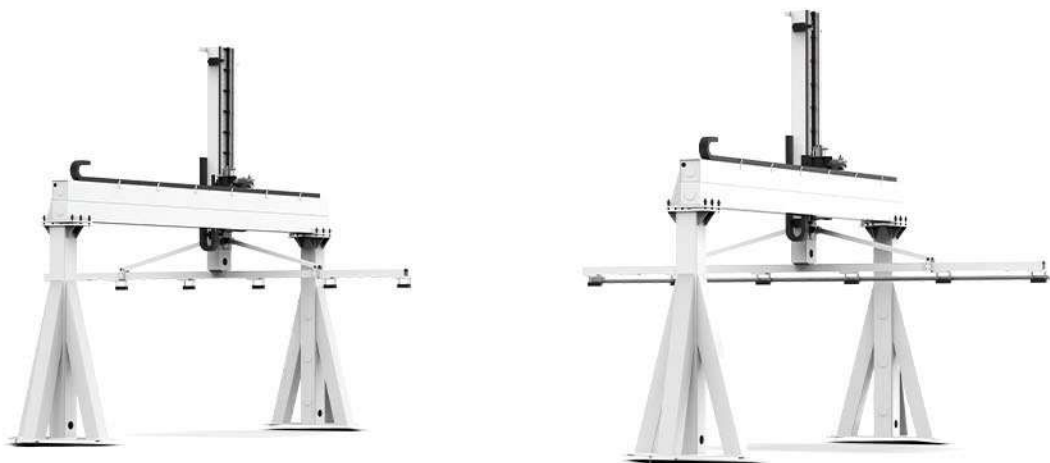
Model	H-6	H-9 (T)	H-6 (T)
Conveying material length	5900≤L≤6200mm	3000≤L≤9200mm	5900≤L≤6200mm
Tube cross-section size	≤150*150mm ≥30*30mm	≤200*200mm ≥20*20mm	≤200*200mm ≥30*30mm
Cross-section size	≤5000kg	≤5000kg	≤5000kg
Weight	4.5T	6.8T	4T
Loading time	15S	15S	10S
Dimension	6768*2314*1842mm	9700*2980*2280mm	6768*2175*1842mm

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!.

Product Display



\*Adapted to E/G series



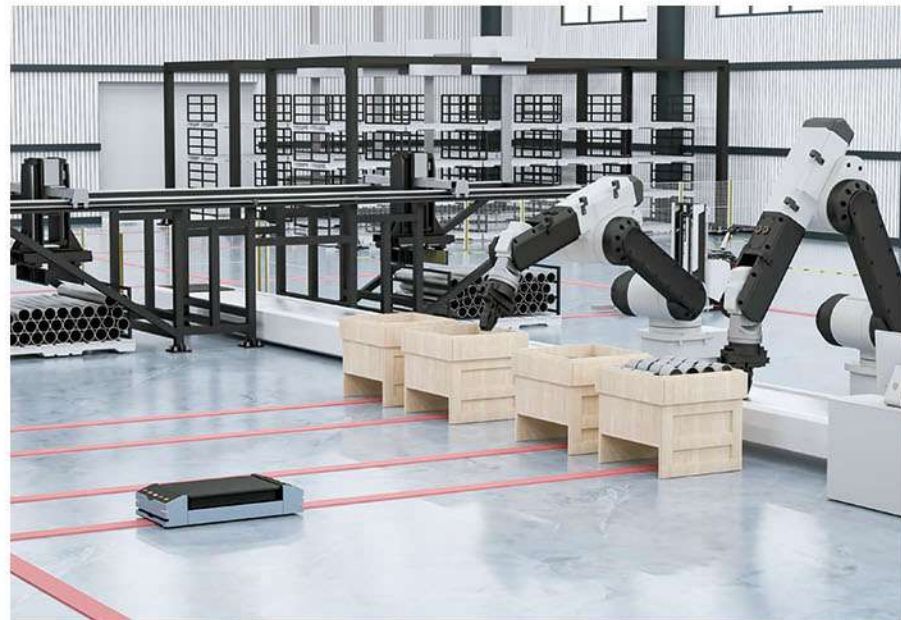
Fully automated solutions for small and medium-sized profiles

**Y** Standard Automated Loading Machine

- High Efficiency: Fully automated operation reduces waiting time, ensuring high-frequency cutting with the laser tube cutting machine.
- Unmanned Operation: Achieves automated loading, eliminating human interference, and enabling continuous 24-hour production.
- Multi-Machine Collaboration: Can be integrated with an automated production line, allowing multiple machines to work in coordination to complete loading, unloading, and workpiece transfer, thus improving overall production efficiency.

# ACME INTELLIGENT PRODUCTION LINE

Providing integrated production facilities for the transformation and upgrading of the manufacturing industry Provides a complete set of intelligent production facilities from loading, cutting, welding, storage, etc. to create a one-stop intelligent production solutions.



High degree of automation: with a complete set of laser tube cutting machine equipment, multi-station laser welding workstation and intelligent storage equipment connected with the production system (MES) to meet the high standard requirements, help enterprises intelligent production.

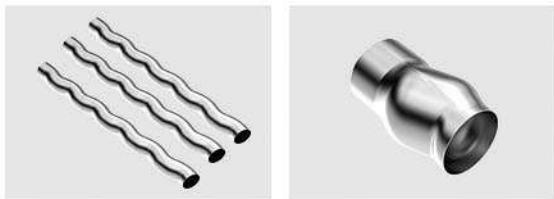
Vision inspection system: accurately detects the deviation and position of workpiece discharging, and guides the robot to grasp the workpiece.

Intelligent AGV: Delivering full pallets to the turnaround area in time and delivering materials to be welded to the welding station.

Multi-station laser welding workstation: equipped with four multi-joint robots for loading and unloading, with PLC control system and touch screen display, safe and reliable.

CUSTOMIZED SPECIAL MACHINE

Product Display



\*Three-dimensional Cutting Machine

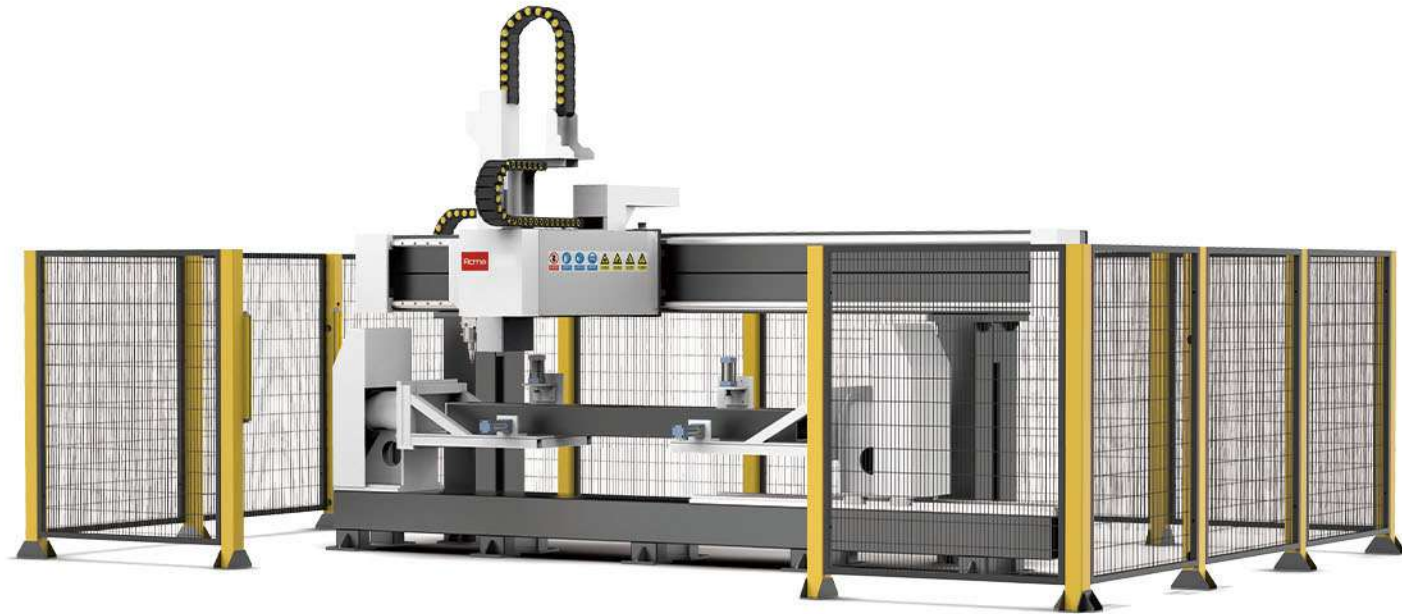
Product Display



\* Laser Sawing Machine



\*Three-dimensional Cutting Machine



\*Three-dimensional Cutting Machine

▶ **LASER BOARD CUTTING MACHINE**

\* S Series model format size is standardized at 3\* 1.5m.



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⚙️ Fast, flexible and economical solution for thin and medium-thick plates

- ▶ Low initial investment, small footprint, low energy consumption, low maintenance costs, low operating costs, high cutting efficiency.
- ▶ 1.5G acceleration, 150m/min air shift speed and advanced CNC technology to enhance production efficiency.
- ▶ The interface is easy to operate, high degree of automation, real-time monitoring and automatic adjustment, easy to start.
- ▶ Modular design, simple structure, few points of failure, can quickly locate the problem, without large-scale disassembly and maintenance, good maintenance.

**S Series**  
**Economical Single-platform Laser Cutting Machine**

Model	3015S	4020S	6025S	12025S
Laser power	1-60kw	1-60kw	1-60kw	1-60kw
Cuttingarea	3000*1500mm	4000*2000mm	6000*2500mm	12000*2500mm
Load-bearing of work platform	900kg	1600kg	4800kg	16000kg
Feeding speed	132m/min	132m/min	132m/min	132m/min
Max acceleration	1.5G	1.5G	1.5G	1.5G
Floor space	4700*2950*1900mm	5700*3500*1900mm	8400*4400*2250mm	14000*4400*2250mm
Processable materials	Carbon steel, stainless steel, alloy steel, aluminum, brass and other metal plates can be processed.			

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► LASER BOARD CUTTING MACHINE



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⚙ High-quality cutting solutions for large sheets and plates

**D Series**

**Best-selling Double-platform Laser Cutting Machine**

- 15S rapid exchange platform, reduce the waiting time for cutting and loading, effectively improve the working efficiency by more than 30%.
- Dual servo motors with highly dynamic drives, equipped with extruded aluminum beams, easily handle a wide range of plate thicknesses.
- Mortise and tenon design with heavy duty plate welding. Shaped by laser undercutting and one-time machining on a large gantry milling machine to ensure years of solid cutting
- Nine-stage perforation, intelligent knife closing, non-trace micro-linkage, intelligent fly-cutting, automatic back-cutting, molten pool detection and other perfect intelligent processes to ensure high-speed, high-quality production of products

Model	3015D	4020D	6025D	12030D
Laser power	1-60kw	1-60kw	1-60kw	1-60kw
Cuttingarea	3000*1500mm	4000*2000mm	6000*2500mm	12000*2500mm
Load-bearing of work platform	900kg	1600kg	4800kg	30000kg
Feeding speed	132m/min	132m/min	132m/min	132m/min
Max acceleration	1.5G	1.5G	1.5G	1.5G
Floor space	8550*2200*2400mm	11100*3500*2500mm	15500*4150*3000mm	27600*8000*3200mm
Processable materials	Carbon steel, stainless steel, alloy steel, aluminum, brass and other metal plates can be processed.			

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► LASER BOARD CUTTING MACHINE

\* Ground rail type. Laser cutting machine, the width size of 12 \* 2m as a standard



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⚙️ Cost-effective solutions for ultra-large format thick materials

**L Series**

**Ground Rail Cost-effective Laser Cutting Machine**

- Long service life and long term returns make it a smart alternative to plasma and flame cutting; Segmented bed with good smoke evacuation.
- Support 12-60KW customization, high power laser photoelectricity conversion rate, can reduce the cost of electricity.
- Supports regular bevel and special bevel cutting such as V, Y, X and K type.
- Fast cutting speed, narrow slit, good end face, no burr, one time molding without secondary processing, saving equipment investment; both single and dual platforms can be customized.

Model	12025L	14025L	24030L
Laser power	6-30kw	6-30kw	6-30kw
Cuttingarea	12000*2500mm	14000*2500mm	24000*3000mm
Load-bearing of work platform	28000kg	32600kg	56000kg
Feeding speed	80m/min	80m/min	80m/min
Max acceleration	0.3G	0.3G	0.3G
Floor space	15000*9000*2100mm	19000*9000*2100mm	27000*9000*2100mm
Processable materials	Carbon steel, stainless steel, alloy steel, aluminum, brass and other metal plates can be processed.		

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

▶ **PLATE AND TUBE INTEGRATED LASER CUTTING MACHINE**

\* The ST series is available in 3\* 1.5m widths with a 120mm chuck diameter.



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⚙️ One machine for two applications, suitable for most plates, tubes and profiles.

**ST Series**  
**Compact Plate and Tube Integrated Laser Cutting Machine**

- ▶ One machine with dual functions, for efficient processing wider application range for the equipment effectively saves costs and floor space.
- ▶ The relatively low cost of acquisition makes it a cost-effective option for businesses on a tight budget.
- ▶ Functions are centralized and easy to operate, so you can familiarize yourself with and master the operation of the equipment more quickly and improve work efficiency.
- ▶ Relatively simple components and structures make maintenance and servicing work relatively easy, reducing maintenance costs and downtime.

Model	3015ST12	4020ST18	6025ST26
Laser power	6-30kw	6-30kw	6-30kw
Cuttingarea	3000*1500mm	4000*2000mm	6000*2500mm
Tube length	6000mm	6000mm	6000mm
Tube diameter	8-120mm	10-180mm	15-250mm
Load-bearing of work platform	900kg	1600kg	1800kg
Floor space	8500*3700*2200mm	8500*4600*2200mm	8700*5300*2250mm
Processable materials	Carbon steel, stainless steel, alloy steel, aluminum, brass and other metal plates can be processed.		

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

▶ **PLATE AND TUBE INTEGRATED LASER CUTTING MACHINE**

\* The DT series is available in 3×1.5m widths with a 260mm chuck diameter.



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**DT Series**

⚙️ One machine for two applications, suitable for most plates, tubes and profiles.

**Environmentally Plate and Tube Integrated Laser Cutting Machine**

- ▶ One machine with dual functions, for efficient processing wider application range for the equipment effectively saves costs and floor space.
- ▶ Full protection plate and tube integrated design, costeffective, can cope with more cutting conditions, to ensure safe production.
- ▶ Operating one machine can complete the cutting of two materials, effectively reducing the need for operators and saving labor costs.
- ▶ Dual-station exchange platform 15s rapid exchange, greatly reducing standby time, significantly improving productivity and saving labour costs.

Model	4020DT12	6025DT26	12025DT28
Laser power	6-30kw	6-30kw	6-30kw
Cuttingarea	4000*2000mm	6000*2500mm	12000*2500mm
Tube length	6000mm	6000mm	12000mm
Tube diameter	8-120mm	15-250mm	15-280mm
Load-bearing of work platform	1600kg	4800kg	16000kg
Floor space	11100*4700*2600mm	15500*5700*3100mm	31000*5700*3100mm
Processable materials	Carbon steel, stainless steel, alloy steel, aluminum, brass and other metal plates can be processed.		

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

► WELDING MACHINE, CLEANING MACHINE, FOUR-IN-ONE

Product Display



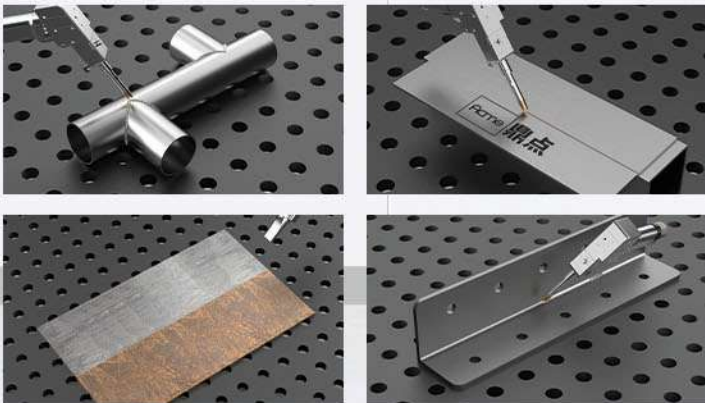
\*Hand-Held Laser Cleaning Machine



\* Hand-Held Laser Welding Machine



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Laser Welding Machine 4in1

- One machine for welding, cutting, cleaning and weld cleaning.
- Welding without deformation, beautiful weld, high quality, no need for secondary grinding.
- Professional control system, supporting 19 languages is not limited by site and space, and can adapt to a variety of complex working environments.
- Small size, light weight, easy to learn and operate, fast, efficient, time-saving, labour-saving, high-density, low-cost.

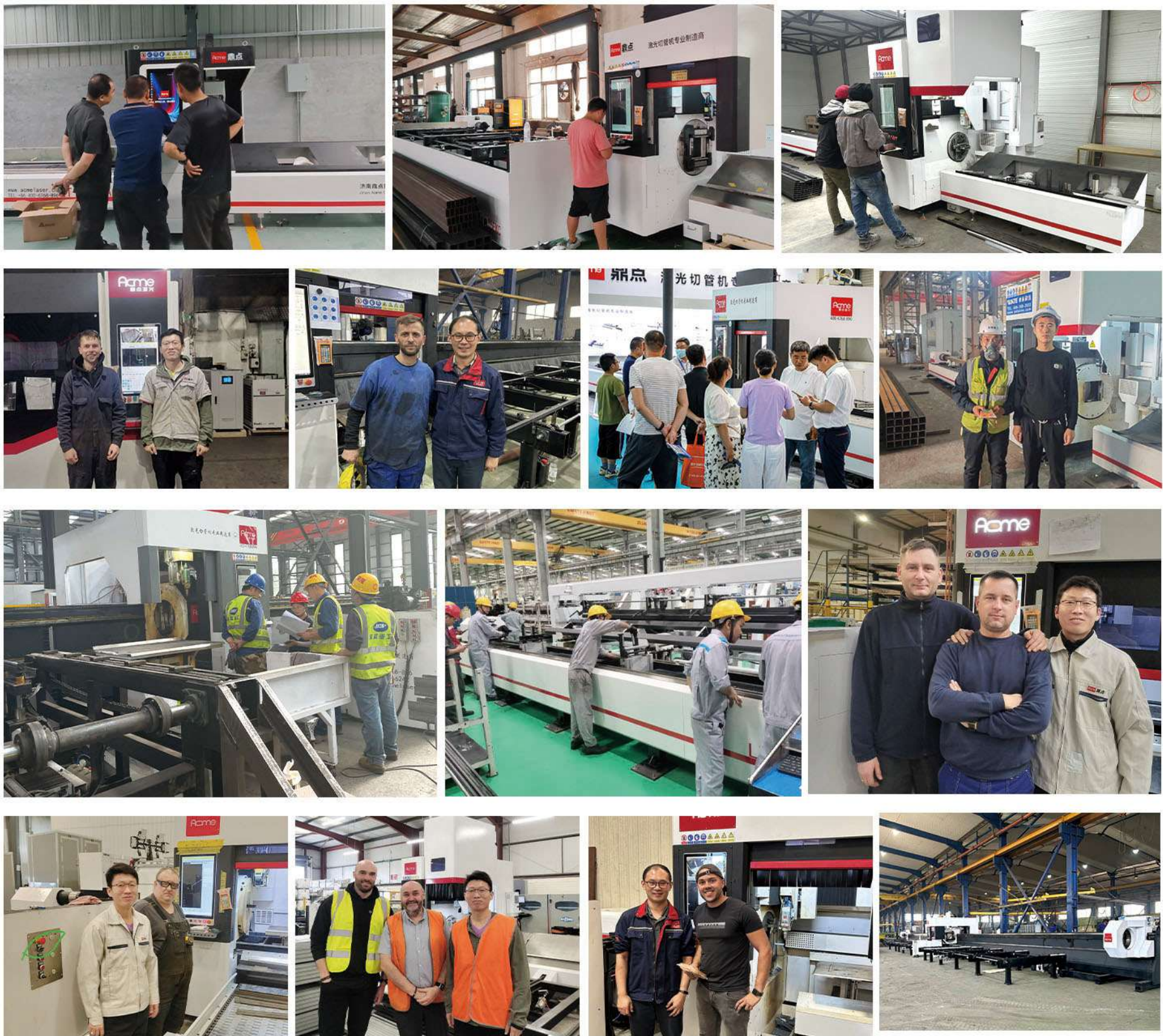
Model	FLW	FLC	FLW-T
Laser Power	1-3kw	1-3kw	1-3kw
Operating Mode	Continuous	Continuous	Continuous
Laser Wavelength	1070nm	1080nm	1070nm
Weight	117kg 120kg 133kg 190kg	102kg 105kg 118kg 175kg	117kg 120kg 133kg 190kg
Scan Width	0-8mm		
Cleaning Width		F4000-0~150mm	F150~30mm
		F6000-0~225mm	F400~60mm
		F8000-0~300mm	F800~120mm
Dimension	1110*620*1060mm	1110*620*1060mm	1110*620*1060mm

\*Product appearance, parameters, performance description, comparison data is for reference only, the final in kind shall prevail!

SAMPLE DISPLAY



CUSTOMER TESTIMONIALS

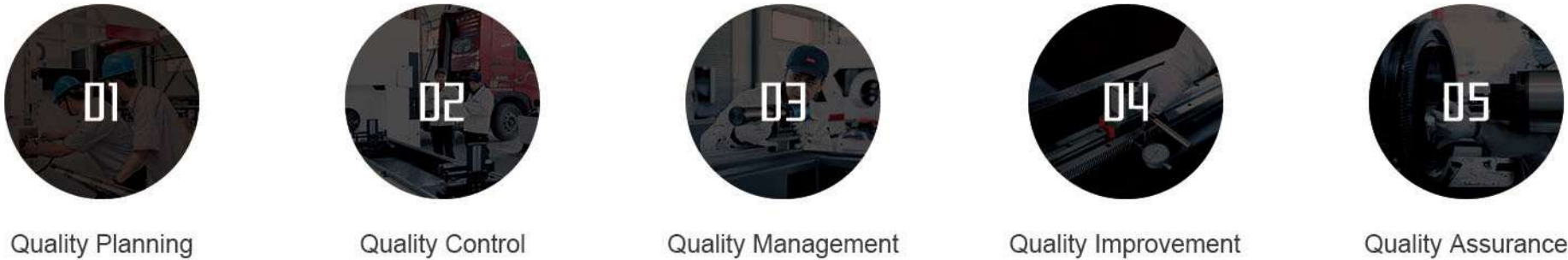


# QUALITY CONTROL

Strictly control the quality. From the selection of raw materials to the assembly of the whole machine, the production process is strictly implemented in the standardized process, and each piece of equipment has been strictly tested at all levels before leaving the factory to ensure that the ACME equipment has lasting safety, stability and reliability, and continuously injects a strong impetus into the customer's production.



## Quality Management System



# GLOBAL SERVICES

## Providing Laser Intelligent Processing Equipment Solutions for Global Customers

ACME laser focus on metal tube processing for decades, our professional technicians, ready to serve you. Can be customized for different application scenarios and working environment, to ensure the normal operation of the machine, to extend the service life of the equipment, improve efficiency. We can also help customers to reduce costs by optimizing the design and functionality, avoiding unnecessary expenses, ensuring that the machine fully meets the production requirements and workflow, and improving production efficiency.



Offering a 24-hour online support service for customers worldwide, you can contact our after-sales support team via live chat, email or phone. Please make sure to provide clear contact details and working hours. In addition, we will provide Frequently Asked Questions (FAQ) on our website and in our product brochures so that customers can resolve issues in a timely manner.

### Localised Services

Responding to local customers' maintenance needs at high speed, sharing resources with global distributors and providing technical support for development, ACME Corporation has a professional international field service team and works with local distributors to provide you with professional services.

### Service Team

ACME has an international service team that efficiently responds to local customer maintenance needs, shares resources with global distributors, and provides technical support to promote common development.

## International Service Outlets

### European

Western Europe: Germany, UK, France, Italy, Spain, Portugal, Greece, etc.  
Eastern and Northern Europe: Russia, Ukraine, Turkey, Belarus, Poland, Czech Republic, Denmark, etc.

### Asian

East and Southeast Asia: Korea, Singapore, Malaysia, Thailand, Vietnam, Indonesia, etc. West and Central Asia: Saudi Arabia, Iran, Jordan, Israel, Uzbekistan, Bahrain, etc. South Asia: India, Pakistan, Bangladesh, etc.

### America

North America: United States, Canada, Mexico, etc. South America: Brazil, Argentina, Chile, Uruguay, etc.

### Oceania

Australia, New Zealand, etc.

### Other Countries and Areas

South Africa, United Arab Emirates, Iran, Palestine, etc.

# CUTTING PARAMETERS

## LIST OF LASER POWER AND CORRESPONDING CUTTING SPEEDS

Material	Thickness mm	3000W	6000W	12000W	20000W	30000W	40000W	60000W
		Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min
Carbon Steel	1	47-50	60-61	/	/	/	/	/
	2	21-23	30-31	/	/	/	/	/
	3	6-12	18-20	32-38	30-35	/	/	/
	4	3.4-3.6	12-13	22-26	26-30	/	/	/
	6	2.7-2.8	6-7	13-16	22-24	/	/	/
	8	2.1-2.3	2.5-2.6	8-10	13-15	20-25	/	/
	10	1.4-1.6	2.2-2.3	6-7	10-12	15-20	2.2-2.5	20-22
	12	1-1.1	1.8-2	5.2-5.5	8-9	10-14	1.9-2.1	18-20
	14	0.9-0.95	1.4-1.7	4-4.5	5.5-6.5	9-10.5	1.8-1.9	/
	16	0.8-0.85	1.2-1.4	1.4-1.6	3-4	8-9.5	1.6-1.8	12-13
	18	0.7-0.72	0.7-0.8	1.4-1.5	3-3.5	6-7	1.5-1.7	/
	20		0.6-0.65	1.4-1.5	2-3	4-5	1.5-1.6	9-10
	22		0.55-0.6	1.2	1.3-1.5	1.3-1.5	1.3-1.5	2.5-2.8
	25			1	1.2-1.4	1.25-1.4	1.2-1.4	2.5-3.0
	30			0.4	1-1.3	1.1-1.3	1.1-1.3	2.0-2.5
	35			0.35	0.9-1.2	1.1-1.2	1.1-1.2	/
	40				0.5-0.8	0.9-1.1	1-1.1	1.8-2.0
	45				/	0.7-0.9	0.8-1	/
	50				0.3-0.5	0.4-0.5	0.8-1	1.6-2.0
	60							1.4-1.8
Aluminium	1	40-43	42-45	/	/	60-80	/	/
	4	5-6	9-10	19-21	21-26	30-40	/	/
	6		4.5-5	10-12	13-17	15-22	50-65	/
	10		1.7-1.8	4-5	6-8	8-10	25-30	40-50
	12			2.5-3	4-6	7-8	20-25	35-40
	14			2.3-2.5	3-4	4-6	/	/
	16			1.6-1.8	2-3	3-4.5	10-12	20-24
	18			1-1.2	1.5-2	2.3-3	/	/
	20				1-1.5	2.3-3	5-6	14-16.5
	25				0.8-1	1-1.5	2.5-3.5	6-6.5
	30				0.5-0.8	0.6-0.8	1.2-1.8	3.5-4
	35							3-3.5
	40							0.8-1
	50							0.6-0.7
	60							0.35-0.4

Notes: The above data parameters in the actual batch cutting, by the bed, system, cutting head, air pressure, materials and other factors, data will change, can not be used as a proof of acceptance and quality traceability, the final interpretation of the right to our company.

Due to special reasons product configuration out of stock, the company has the right to change the same configuration of the device. If the customer purchases the configuration as above, must purchase the same designated brand and model, if any changes to the machine caused by the impact of the customer is responsible for.

Material	Thickness mm	3000W	6000W	12000W	20000W	30000W	40000W	60000W
		Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min
Stainless Steel	1	50-53	60-61	/	/	/	/	/
	2	23-25	28-32	/	/	/	/	/
	4	6-8	12-14	22-26	28-32	/	/	/
	6	2.9-3.1	7-8	15-18	20-24	30-35	/	/
	8	1.2-1.3	3.5-3.8	10-12	14-16	25-28	25-30	/
	10		1.8-2.1	8.5-9	11-13	20-22	18-22	/
	12		1.1-1.3	6.3-6.5	8-10	15-17	16-18.5	/
	14		0.9-1	3.7-4	6.5-7	10-12	/	/
	16			2.7-3	4.5-5.5	8.5-10	11-13	15-16
	18			2.2-2.5	3.5-4.5	6-7	/	/
	20			1.6-1.8	2.3-2.6	5-6	8-8.5	7-7.5
	25			0.8-1	1.8-2.2	3-4	5-5.5	5-6
	30				0.8-1.3	2-2.5	2.5-2.8	4-4.5
	35				0.3-0.6	1.5-1.8	1.7-2.1	2.8-3.2
	40						1.5-1.8	2.5-2.8
	45						0.2-0.25	1.9-2.2
	50						0.2-0.25	1-1.3
	60							0.8-1
	70							0.7-0.9
	80							0.7-0.8
	90							0.6-0.7
Brass	100							0.3-0.4
	140							0.2-0.3
	1	37-40	40-42	/	/	50-60	/	/
	4	3-4	7-8	16-18	21-26	23-28	/	/
	6		4-4.5	9-11	11-15	12-15	/	/
	10		1.5-1.6	3.5-4.5	5-7	5-7	18-20	40-50
	12			2.2-2.8	4-6	3.5-5.5	12-14	35-40
	14			1.8-2	2-3	3-4.5	/	/
	16			1.4-1.6	1.8-2.5	2-3	8-9	/
	18			0.8-1	1.5-2	1-1.5	/	20-24
	20				1.5-2	0.7-0.9	5.5-6	14-16.5
	25							6-6.5
	30							3.5-4
	35							3-3.5
	40							0.8-1
	50							0.6-0.7
	60							0.35-0.4

**ACME, LASER, IGNITING INFINITE POSSIBILITIES.**