



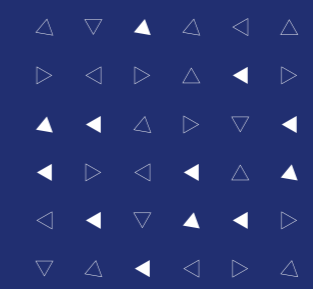
HSG LASER CO., LTD.

Address: No. 8, Zhujiang Avenue, Bijiang Industrial Zone, Beijiao Town, Shunde District, Foshan City, China

Website: www.fshsl.com / www.hsglaser.com

Email: info@hsglaser.com

TEL: +86 757-66833906



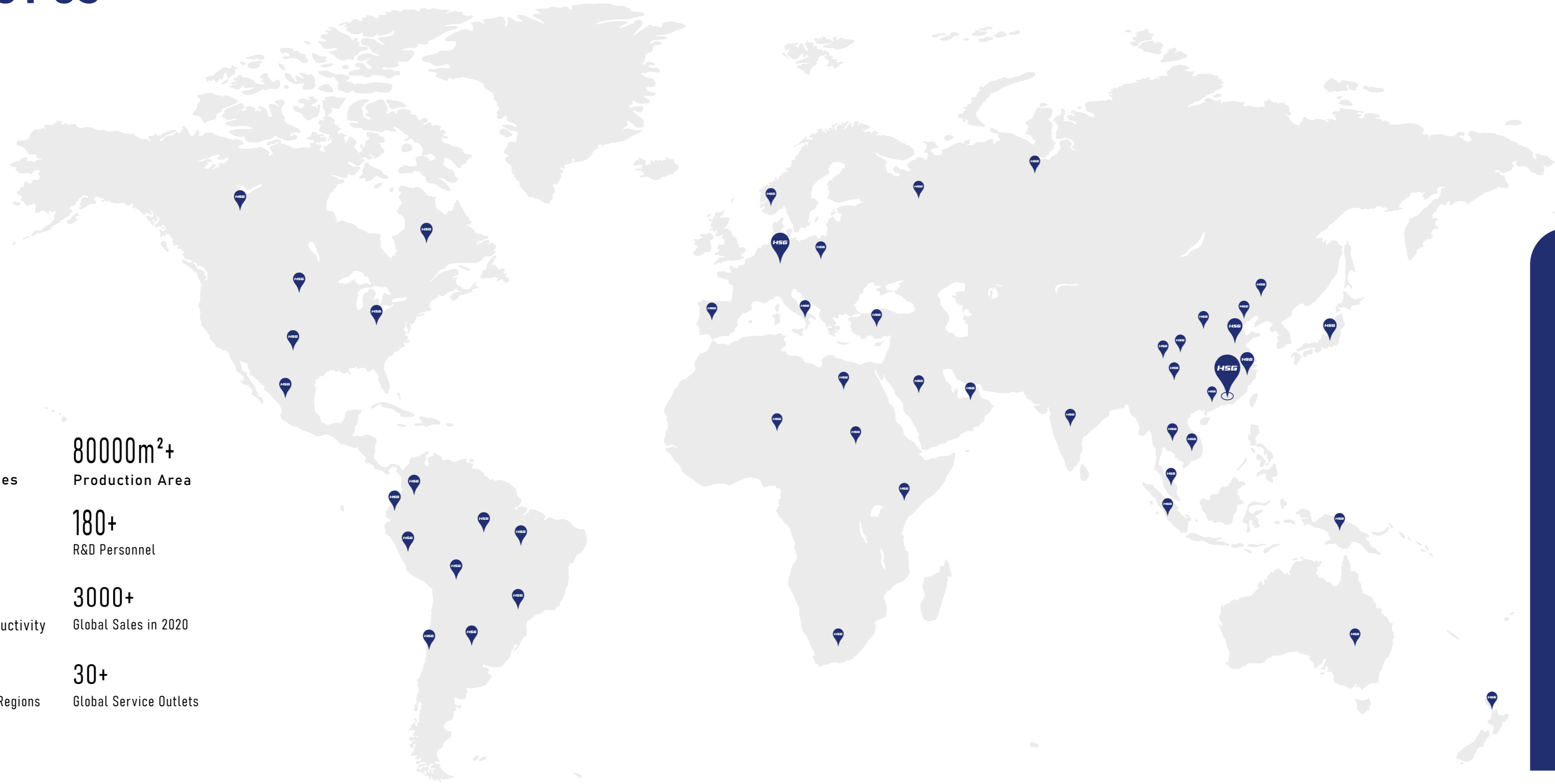
◀ ▶ ▲ ▼ ◀ ▶ ▲ ▼ ◀ ▶ ▲ ▼ ◀ ▶ ▲ ▼ ◀ ▶ ▲ ▼

CONTENTS



<i>ABOUT US</i>	01
<i>SHEET METAL LASER CUTTING MACHINE</i>	07
<i>SHEET & TUBE LASER CUTTING MACHINE</i>	25
<i>TUBE METAL LASER CUTTING MACHINE</i>	39
<i>BENDING MACHINES AND WELDING MACHINE</i>	57
<i>PROFESSIONAL CUSTOMER SERVICE</i>	65
<i>EXHIBITION</i>	67
<i>CUTTING SAMPLES</i>	69

ABOUT US



4
Subsidiaries

80000m²+
Production Area

1600+
Strivers

180+
R&D Personnel

5000+
Annual Productivity

3000+
Global Sales in 2020

100+
Countries & Regions Served

30+
Global Service Outlets

R&D Patents

Independent Innovation,
Nearly 500 Patents

 231 Issued patents	 26 Patents for invention
 163 Patents for utility models	 42 Design patents
 33 Software copyright patents	

COMPANY PROFILE

HSG Laser, founded in 2006, as a national hi-tech enterprise with an eye to R&D, production and sales of laser equipment, is now mainly dedicated to serve global customers with intelligent metal forming solutions.

HSG Laser has built 2 wholly-owned subsidiaries in Germany and Japan, 4 standardized intelligent equipment manufacturing bases and 20+ operation service centers in China, as well as 30+ agency service outlets around the world.



Our Headquarters

Jinan Subsidiary

Suzhou Subsidiary

Japanese Subsidiary

German Subsidiary



R&D strength



HSG Laser has 180+ R&D personnel who always focus on professional laser cutting machines and key spare parts. Until now, they have developed industry-leading 3D five-axis cutting technology, P10 high-power intelligent cutting head, AD1835 independent capacitance modulator and intelligent digital four chuck, as well as high-quality software systems like Alpha T bus system and HSG-XMT multi-touch operating system. Moreover, HSG Laser has applied for nearly 500 patents in China.











HSG Laser can serve global users with 20+ kinds of machines that are suitable for most materials needing to be cut, including sheet metal laser cutting machine, sheet & tube laser cutting machine, tube metal laser cutting machine, bending machine and welding machine.

SHEET METAL LASER CUTTING MACHINE






- 
Integrated nesting software
- 
New man-machine interaction process
- 
Flexible/batch processing mode
- 
Special thick sheet cutting technology
- 
Active anti-collision protection
- 
Real-time monitoring, upkeep reminder
- 
Flying cutting micro-connection
- 
Ultra-high-speed scanning and cutting

ALPHA T BUS SYSTEM

Self-developed by HSG, easy operation, perfect in function, reduce fault rate; Data transmission featuring fast, stable and accurate only by a network cable; Improve stock layout efficiency and material utilization by 20% and 10% respectively, make accuracy up to 0.1mm at the speed of 30m/min.

 Applicable models: GV, GH, GT and HS-X series.

HSG-DEVELOPED INTELLIGENT CUTTING HEAD FOR SHEET METALS



HS-P06
Medium-power 6kW-8kW

Its fast-cooling modules not featured by other same-grade cutting heads can allow fast and efficient cooling and improve service life of components sealed in cutting head, as thus, cutting thick sheets in more stable way.



HS-P10
High-power 10kW-15kW

Its focal point is accurately adjusted and calibrated in self-adaptive manner, hence, the control precision can reach up to $\pm 0.01\text{mm}$ to cut thin and thick sheets without stop but more stably.



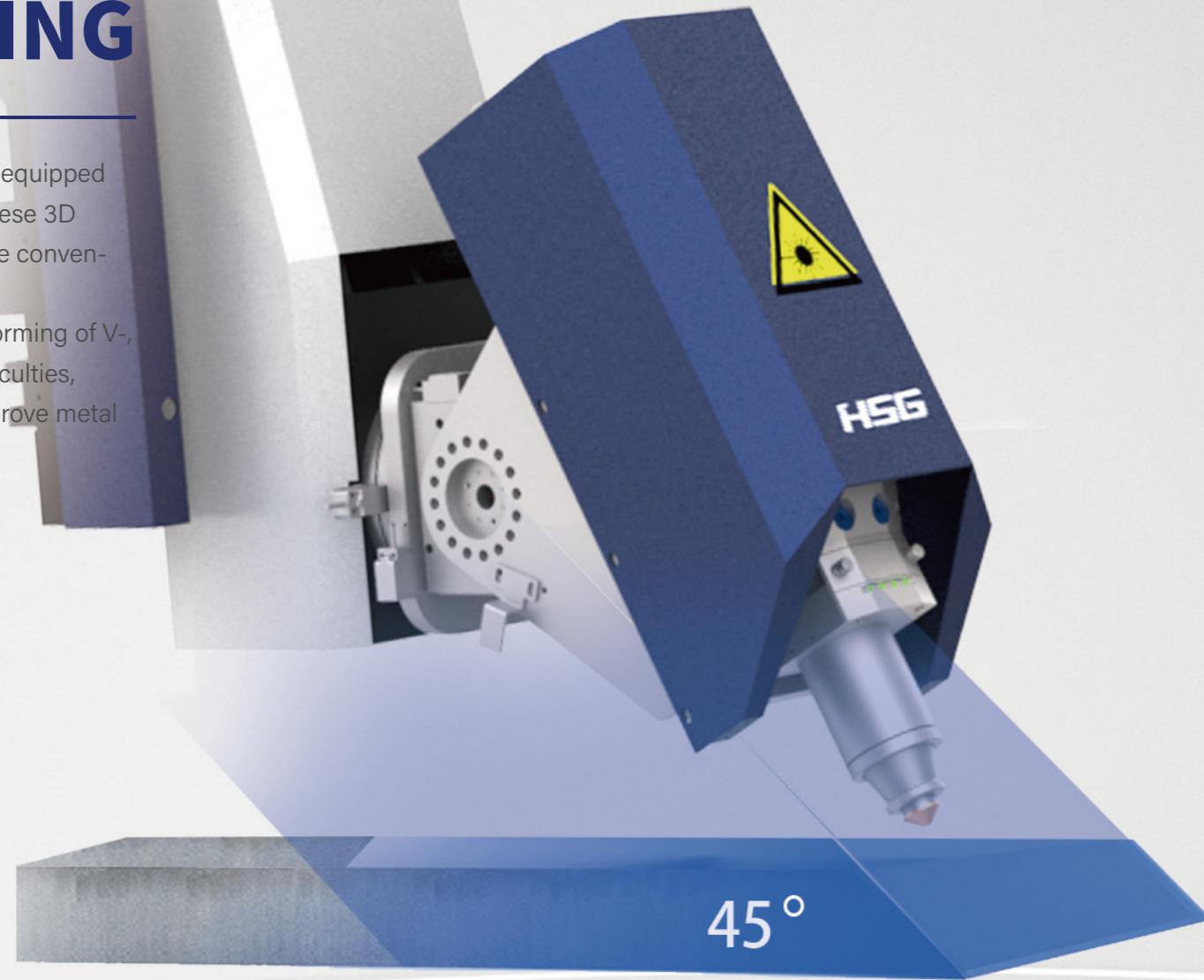
HS-P20
Ultra-high-power 20kW

With cutting-edge optical design, tough tests in performance, innovative design of temperature control and gas circuit, fast-cooling modules in sensor and super-sensitive bus height controller, P20 can satisfy the sheet cutting demands easily at 15kW-20kW.

3D FIVE-AXIS BEVEL CUTTING

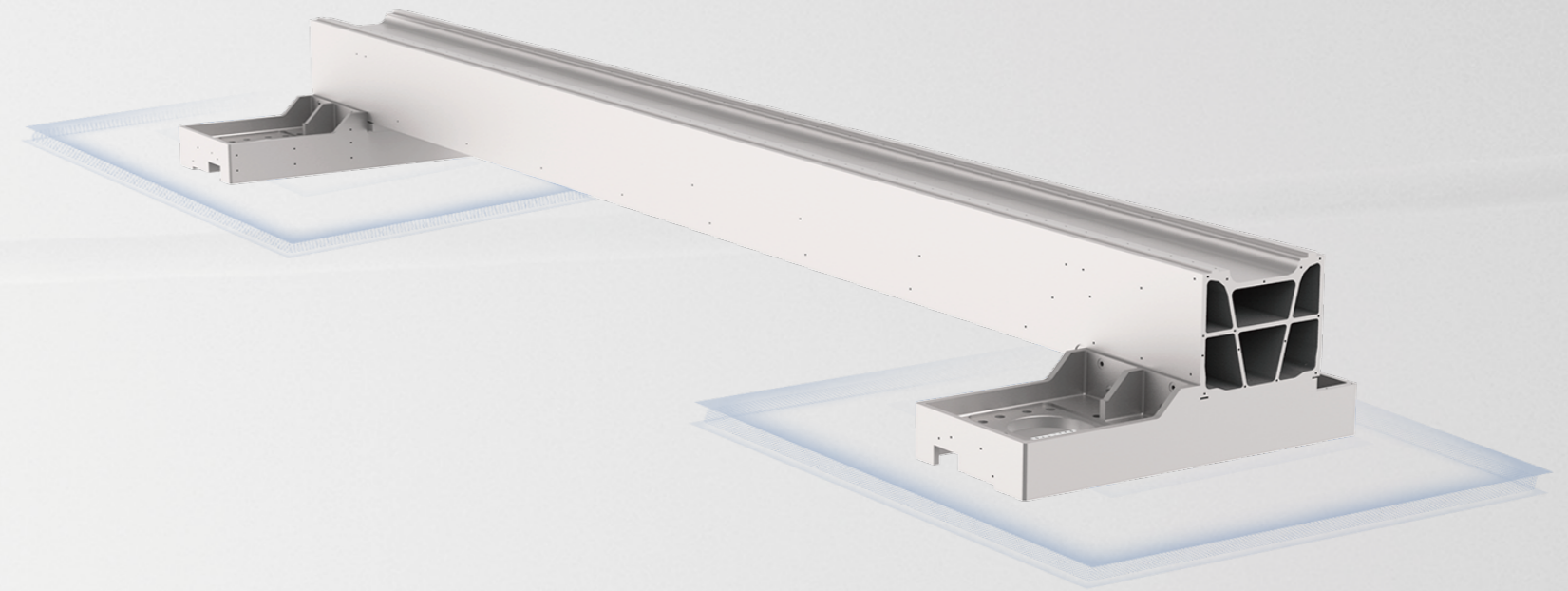
Imported high-power vertical cutting head (equipped with a swing mechanism) works with Japanese 3D five-axis control system to break through the conventional 0° straight cross section; Max. 45° bevel cutting available, one-step forming of V-, X- and Y-shaped bevel, resolve welding difficulties, reduce working procedures and greatly improve metal plate processing efficiency.

Applicable models: GF-B series.



THE 4TH GENERATION AVIATION ALUMINUM BEAM

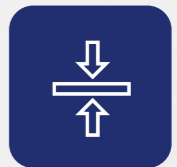
Applicable models: GV, GT, GA, GX, GC, GB, GE, GXE, GTE and GHE series.



Select 6 series aviation aluminum alloy, light-weight and good dynamic performance of beam.



Honeycomb compressive structure design in accordance with aerospacecraft design standards.



Extrusion molding process adopted, no air or sand hole, high strength.

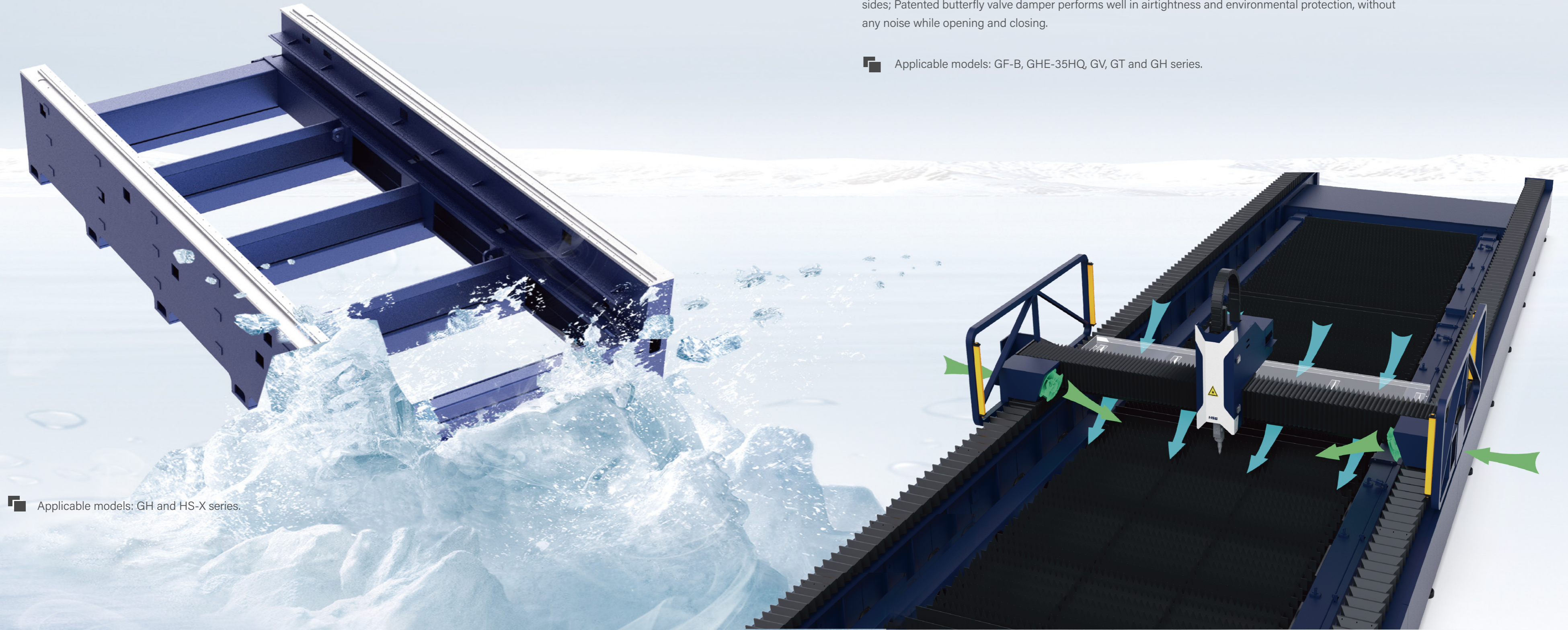
MARBLE OR PATENTED CORNERSTONE HOLLOW MACHINE BED

Good rigidity, high hardness, heat resistant, no deformation after long-work;
Full- or semi-hollow machine bed is less affected by heat, protecting air pipe of damper from being scalded, and keeping machine bed from deformation arising from long high-temperature roasting;

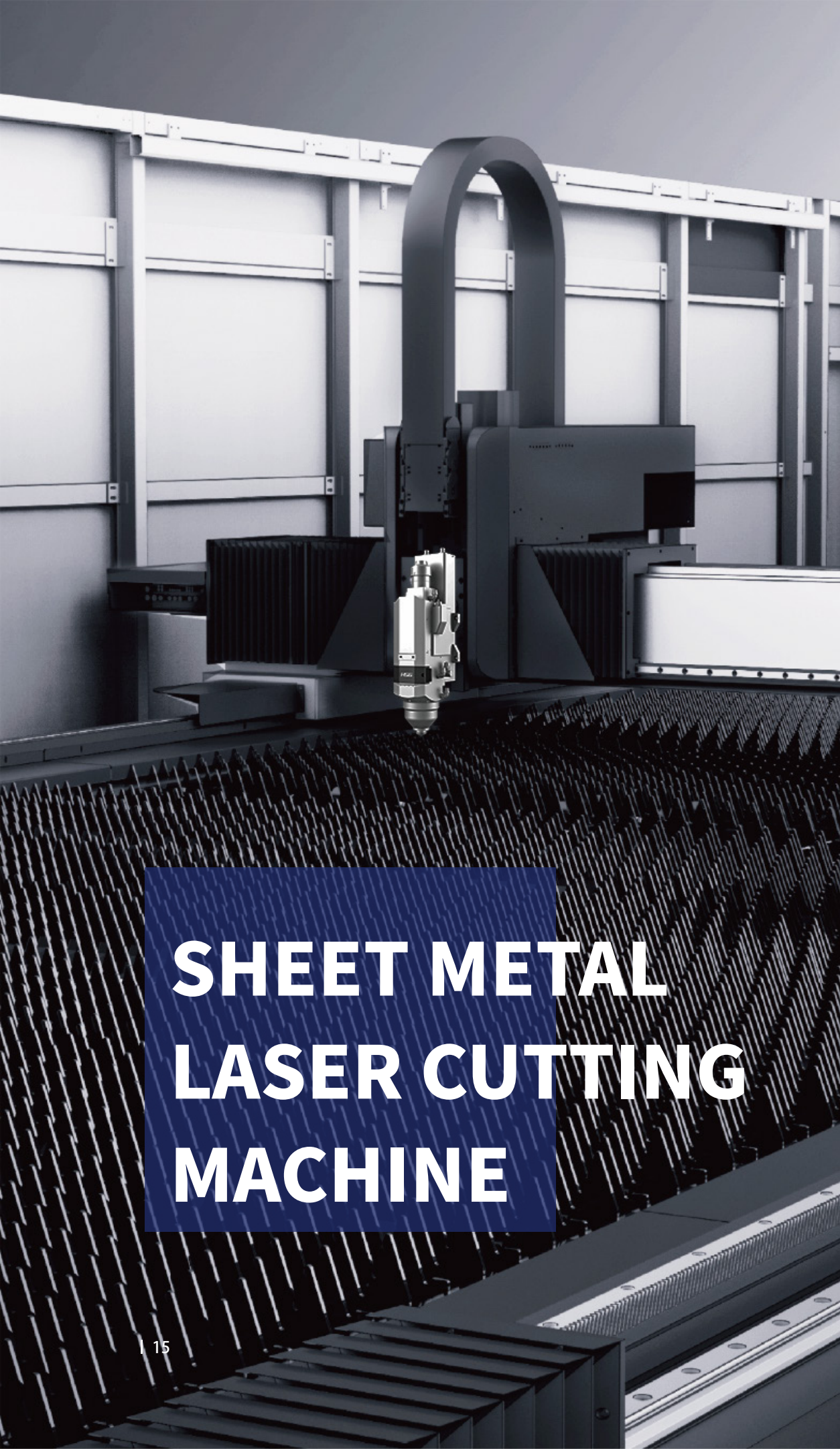
INNOVATIVE HURRICANE-FORCE ENVIRONMENTAL VENTILATION SYSTEM

The ventilation system, with right and left zone, is generally controlled by butterfly valve and has intensive suction, hence, which makes smoke exhaust smooth under the support of large-caliber air duct on both sides; Patented butterfly valve damper performs well in airtightness and environmental protection, without any noise while opening and closing.

Applicable models: GF-B, GHE-35HQ, GV, GT and GH series.



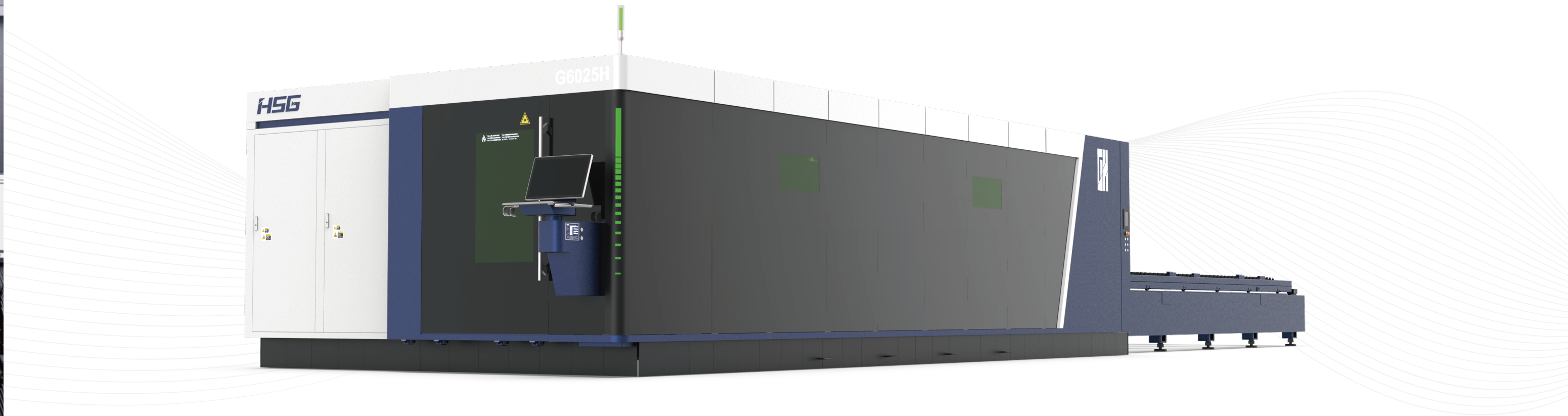
Applicable models: GH and HS-X series.



SHEET METAL LASER CUTTING MACHINE

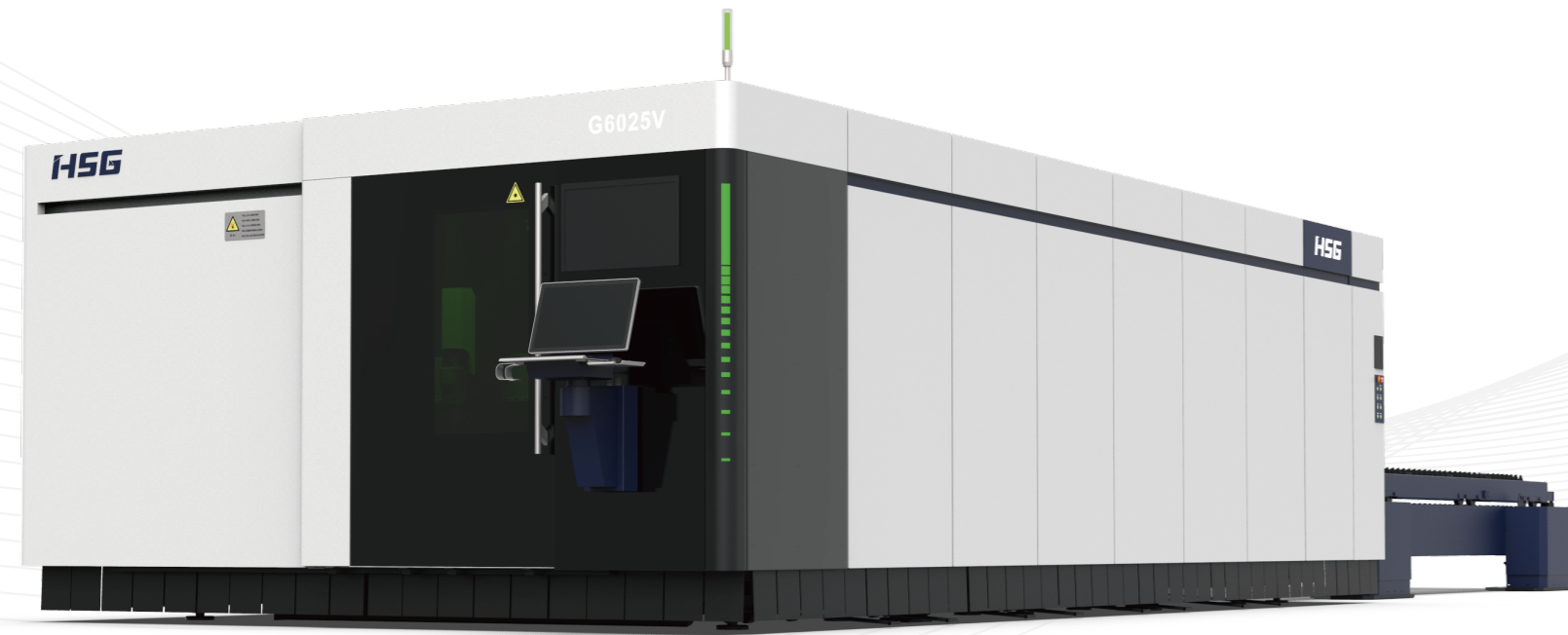
GH 5th Generation
SERIES

HIGH-POWER FULL-PROTECTIVE



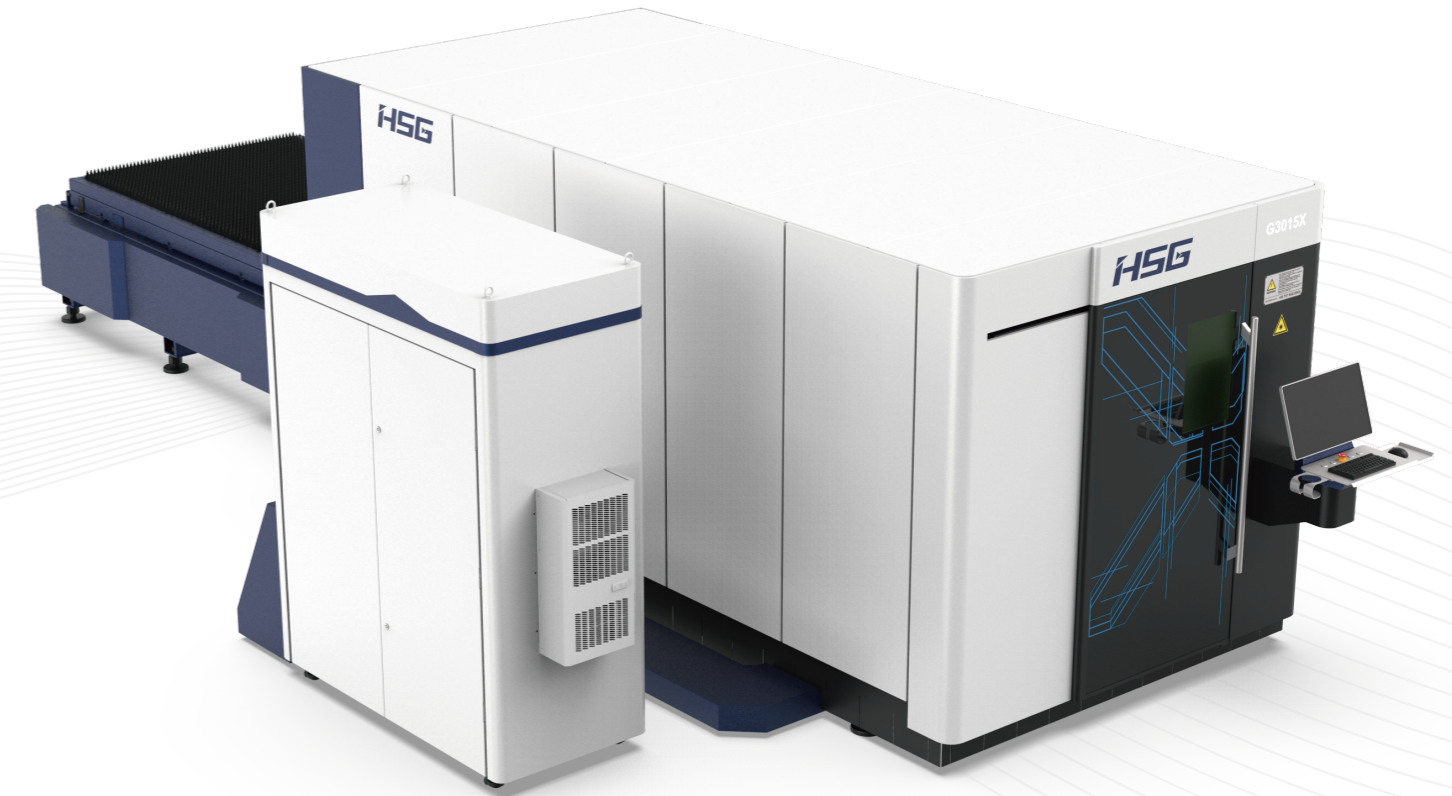
Technical Parameter	GH
Processing Format (L*W)	4000mm*2000mm/6000mm*2000mm/6000*2500mm/8000*2500mm
Laser Power	12000W-20000W
X/Y Axis Positioning Accuracy	0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	169m/min
Max. Acceleration	1.5G
Max. Loading Weight	2800kg/4200kg/5300kg/7020kg

GV SERIES ULTRA-HIGH-POWER LASER-PROOF



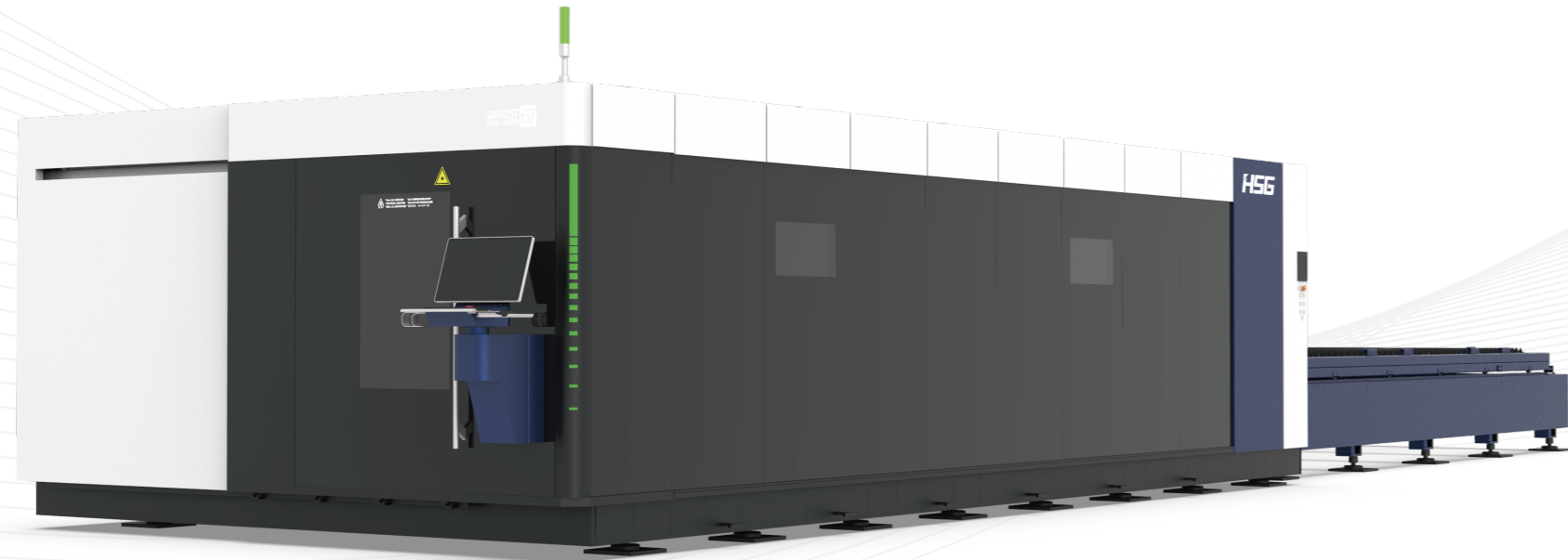
Technical Parameter	GV
Processing Format (L*W)	4000mm*2000mm/6000mm*2500mm/8000mm*2500mm
Laser Power	15000-30000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.02mm
Max. No-load Speed	169m/min
Max. Acceleration	1.5G
Max. Loading Weight	3500kg/6000kg/8000kg

GX SERIES STANDARD CONTAINER TRANSPORT MODEL



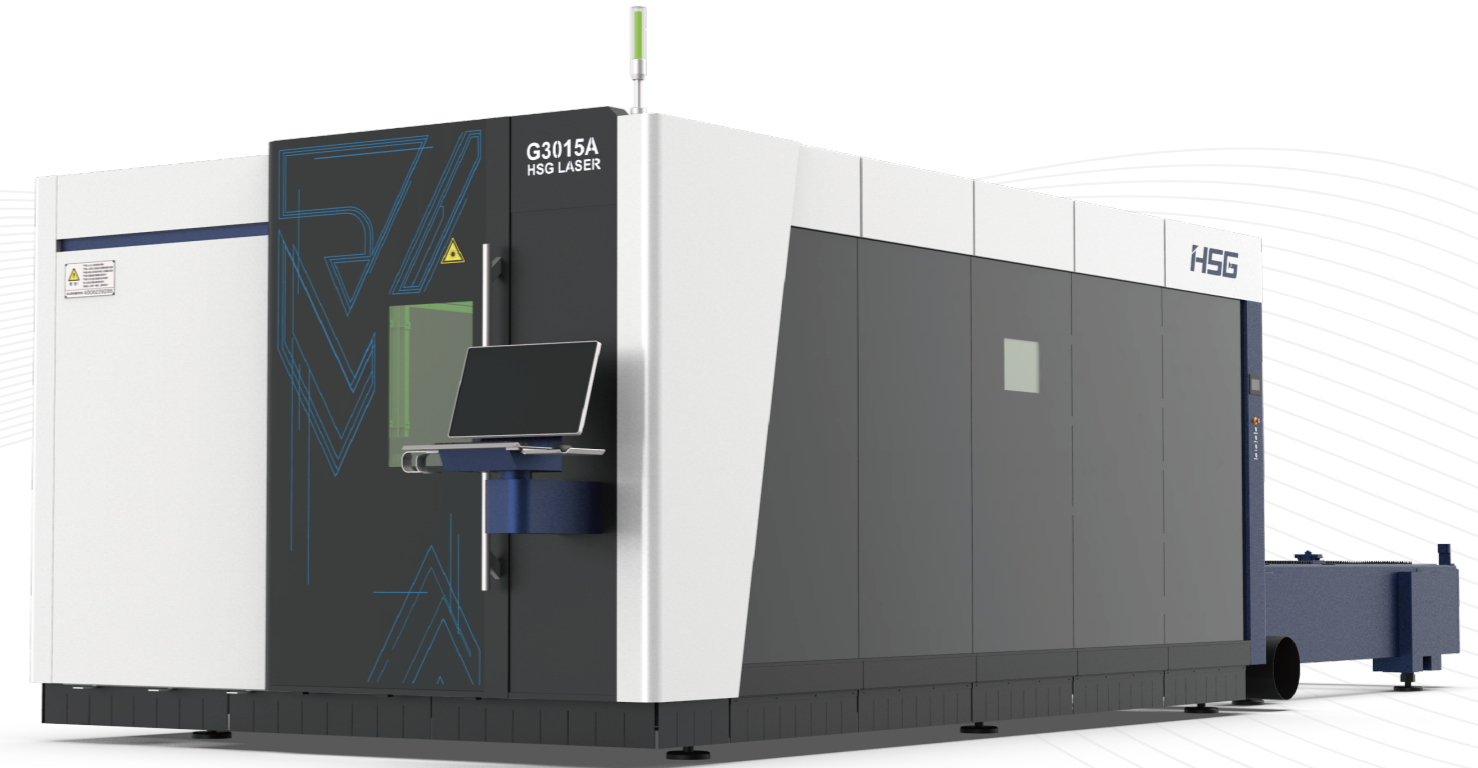
Technical Parameter	GX
Processing Format (L*W)	3048mm*1524mm
Laser Power	2000-6000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	140m/min
Max. Acceleration	1.5G
Max. Loading Weight	800kg

GT SERIES INTELLIGENTIZED FULL-PROTECTIVE



Technical Parameter	GT
Processing Format (L*W)	3050mm*1525mm/4000mm*2000mm/6000mm*2500mm/8000mm*2500mm
Laser Power	6000W- 12000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	140m/min
Max. Acceleration	1.5G
Max. Loading Weight	1100kg/2000kg/3500kg/4680kg

GA SERIES FULL-PROTECTIVE DOUBLE EXCHANGE PLATFORMS



Technical Parameter	GA
Processing Format (L*W)	3050mm*1525mm/4000mm*2000mm/6000mm*2000mm/6000mm*2500mm
Laser Power	1500W-6000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	140m/min
Max. Acceleration	1.5G
Max. Loading Weight	800kg/1400kg/2000kg/2500kg

GC SERIES COMPACT-SIZE SINGLE PLATFORM



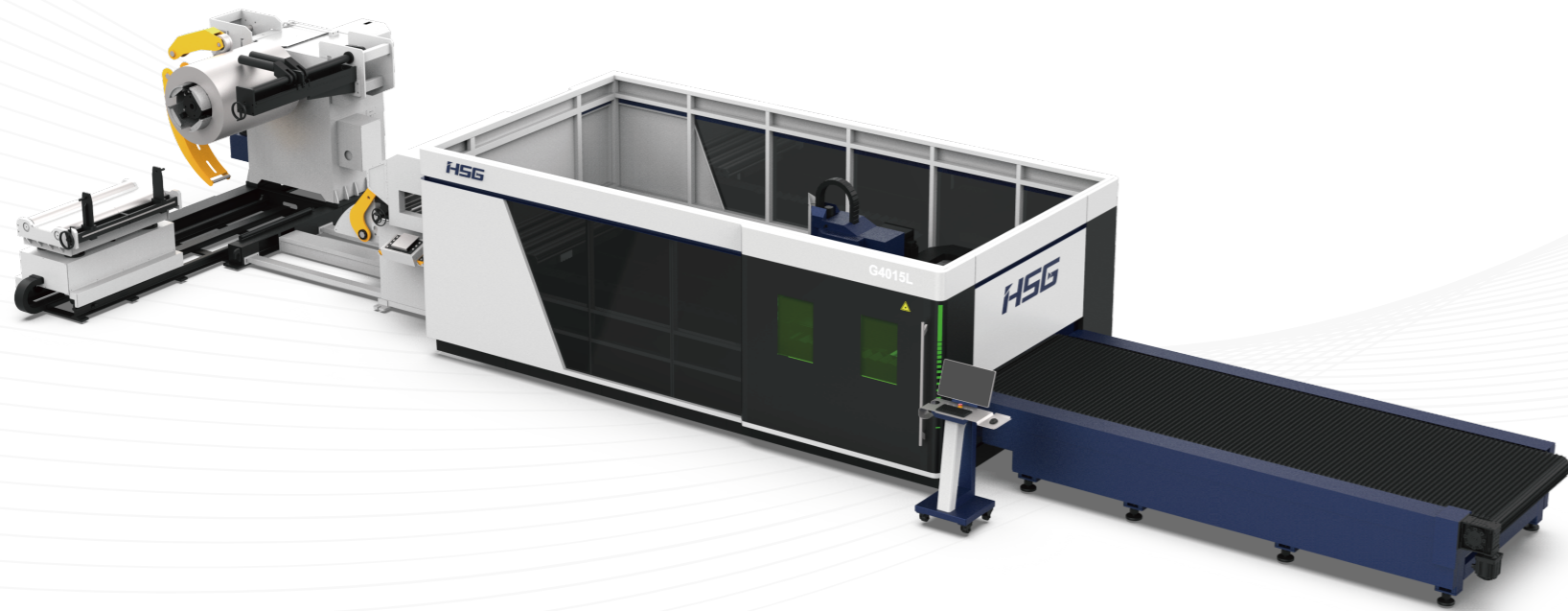
Technical Parameter	GC
Processing Format (L*W)	3050mm*1525mm/4000mm*1500mm/4000mm*2000mm/ 6000mm*2000mm/6000mm*2500mm/8000mm*2500mm
Laser Power	1500-3000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	140m/min
Max. Acceleration	1.2G
Max. Loading Weight	800kg/1000kg/1400kg/2000kg/2500kg/3200kg

GF SERIES LARGE-FORMAT 3D FIVE-AXIS BEVEL CUTTING



Technical Parameter	GF
Processing Format (L*W)	12000mm*3200mm/13000mm*2500mm (customize other formats at will)
Laser Power	6000-30000W
X/Y Axis Positioning Accuracy	±0.1mm/m
X/Y Axis Repositioning Accuracy	±0.1mm
Max. No-load Speed	80m/min
Max. Acceleration	0.5G
Bevel Processing	Yes (GF-B Series)

GL SERIES FOUR-IN-ONE COIL STOCK CUTTING

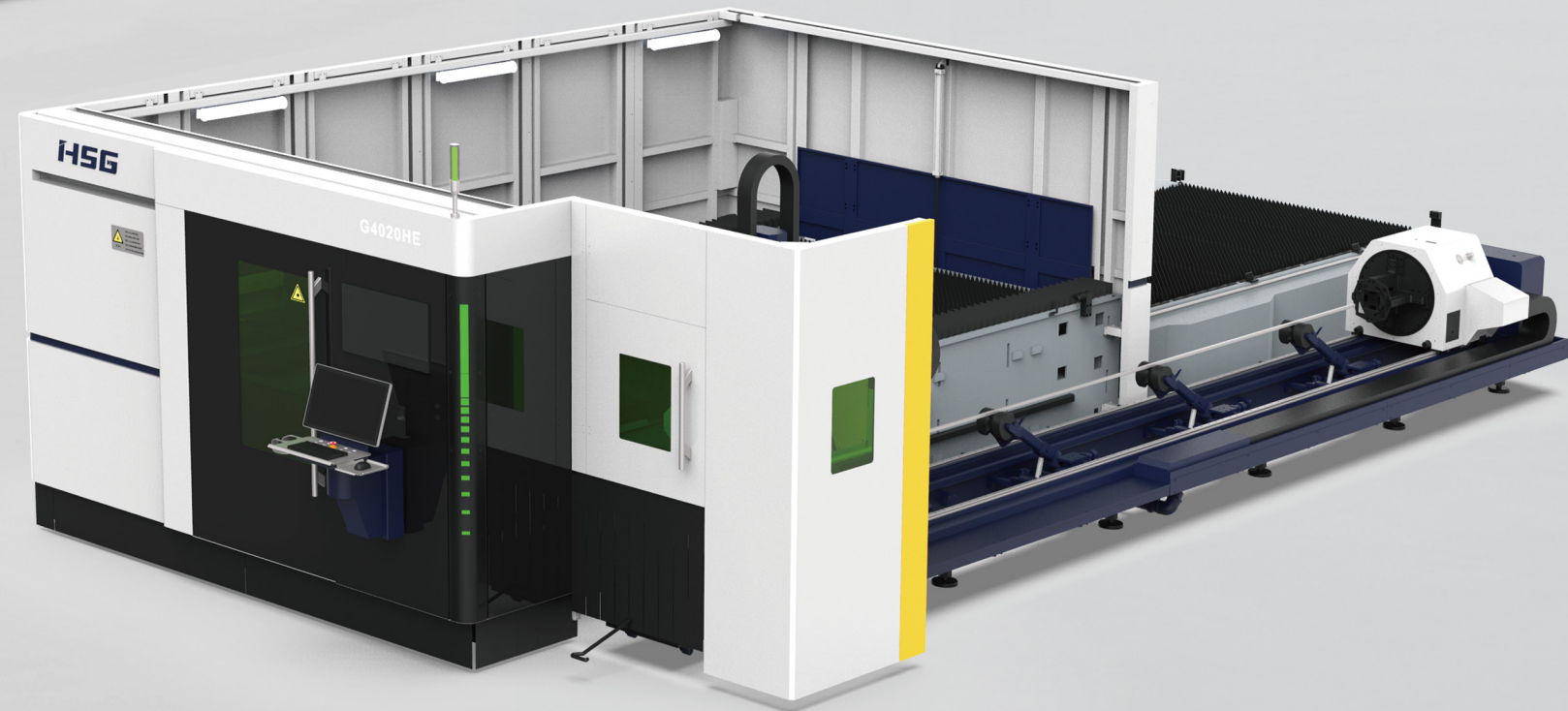
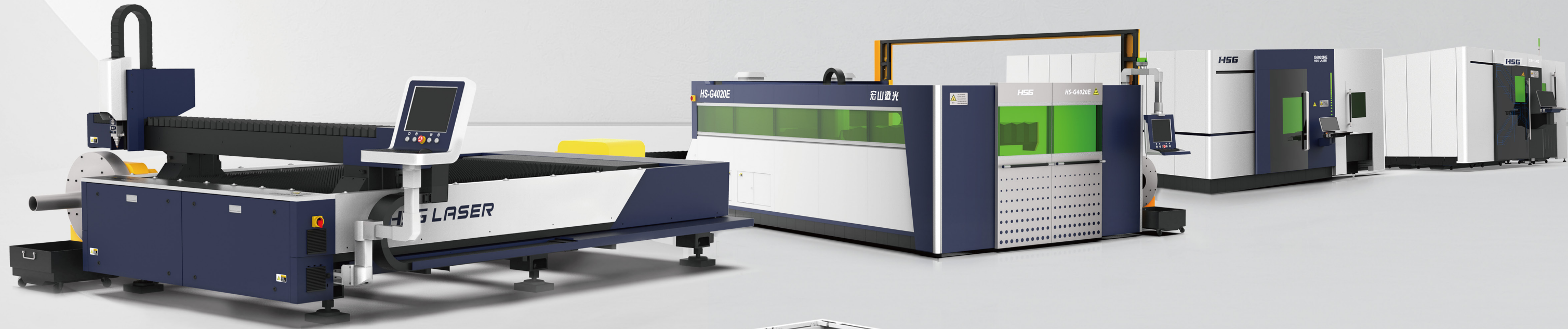


Technical Parameter	GL
Processing Format (L*W)	3000mm*1500mm/4000mm*1500mm/ 4000mm*2000mm/ 6000mm*1500mm/6000mm*2000mm
Laser Power	1500-3000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	100m/min
Max. Acceleration	1.0G

X SERIES ULTRA-HIGH-PRECISION CUTTING



Technical Parameter	X
Processing Format (L*W)	600mm*600mm/1550mm*1050mm/3048mm*1525mm
Laser Power	1500-3000W
X/Y Axis Positioning Accuracy	±0.02mm/m/±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.005mm/±0.03mm
Max. No-load Speed	100m/min/120m/min
Max. Acceleration	1.0G/1.5G



SHEET & TUBE LASER CUTTING MACHINE



▶ 325MM LARGE-CALIBER HEAVY-DUTY PNEUMATIC CHUCK

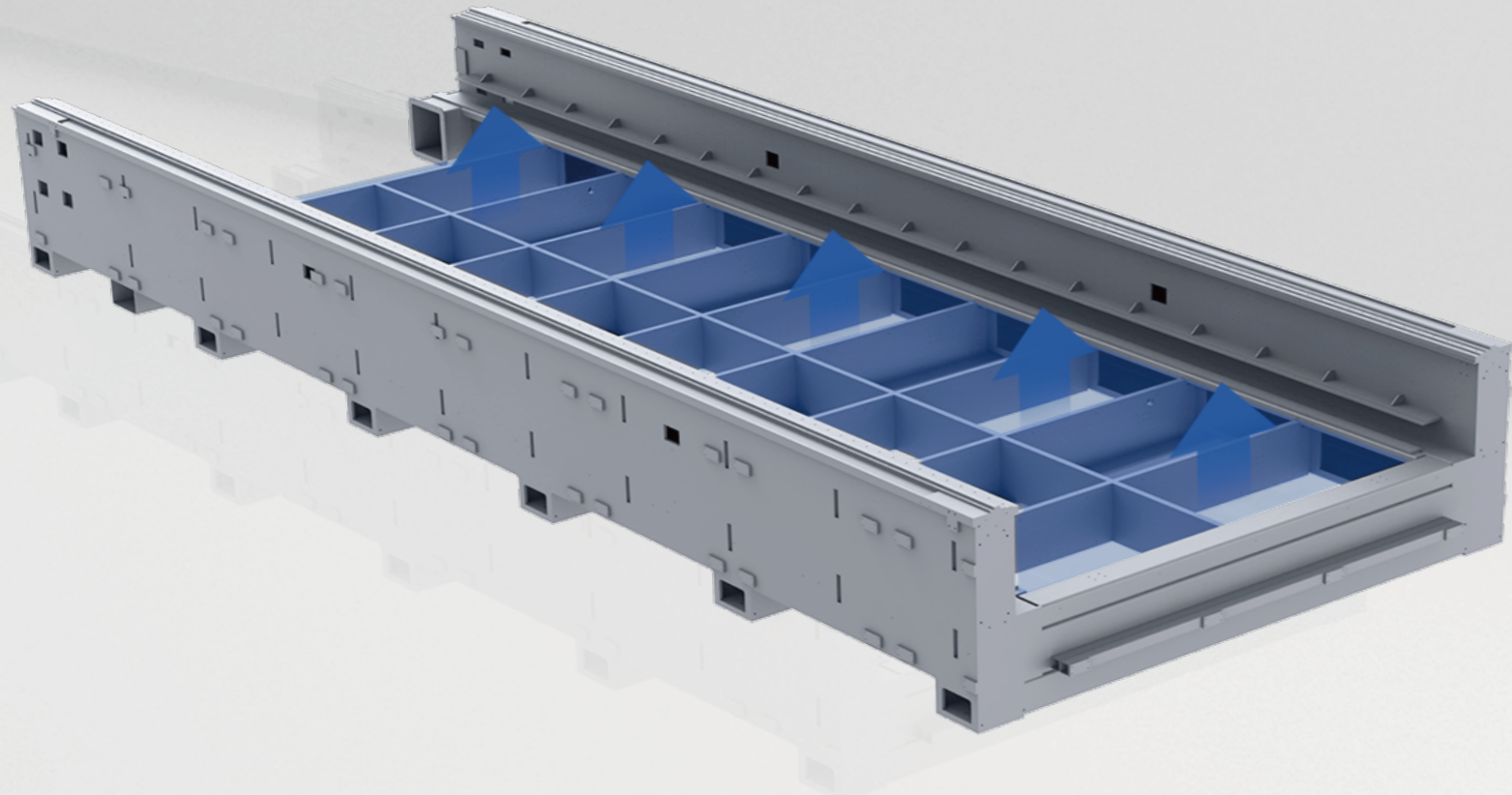
High efficiency: Wireless control, one-button clamping, automatic centering, 3 times faster than electric chuck, minimizing the non-productive time;

High precision: Pneumatic claws with large and constant clamping force, heavy tube is clamped tightly without slip, cutting precision guaranteed;

High stability: Its concave support frame can not only prevent tube from sagging and deformation, but also improve cutting precision and prolong the service life of chucks;

Wide processing scope: Incl. conventional tubes and profiles like channel steel, angle steel. Round tube diameter: 20-325mm, square tube: 20*20-230*230mm, max. weight of single tube: 200kg.

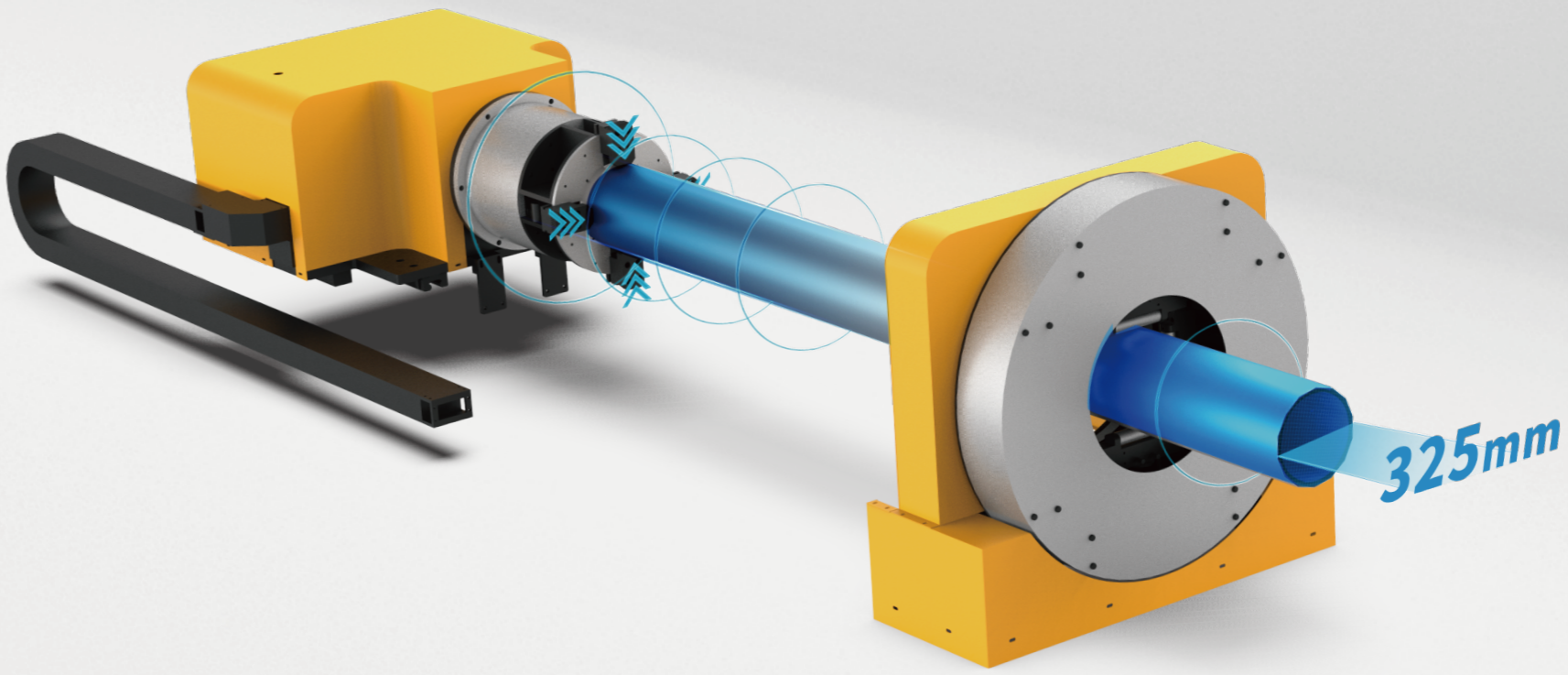
■ Applicable models: GTE-35HQ, GHE-35HQ and GE series.



CARBON STEEL WELDED MACHINE BED

The overall machine bed, featured by heat-resisting and burning protection, has the characteristics of high rigidity, little heat absorption, rapid heat dissipation and deformation protection, hence, which will remain stable after long-term working at high speed, ensuring its cutting precision.

■ Applicable models: GTE (with high manganese steel), GE, GB and GXE (optional high manganese steel) series.

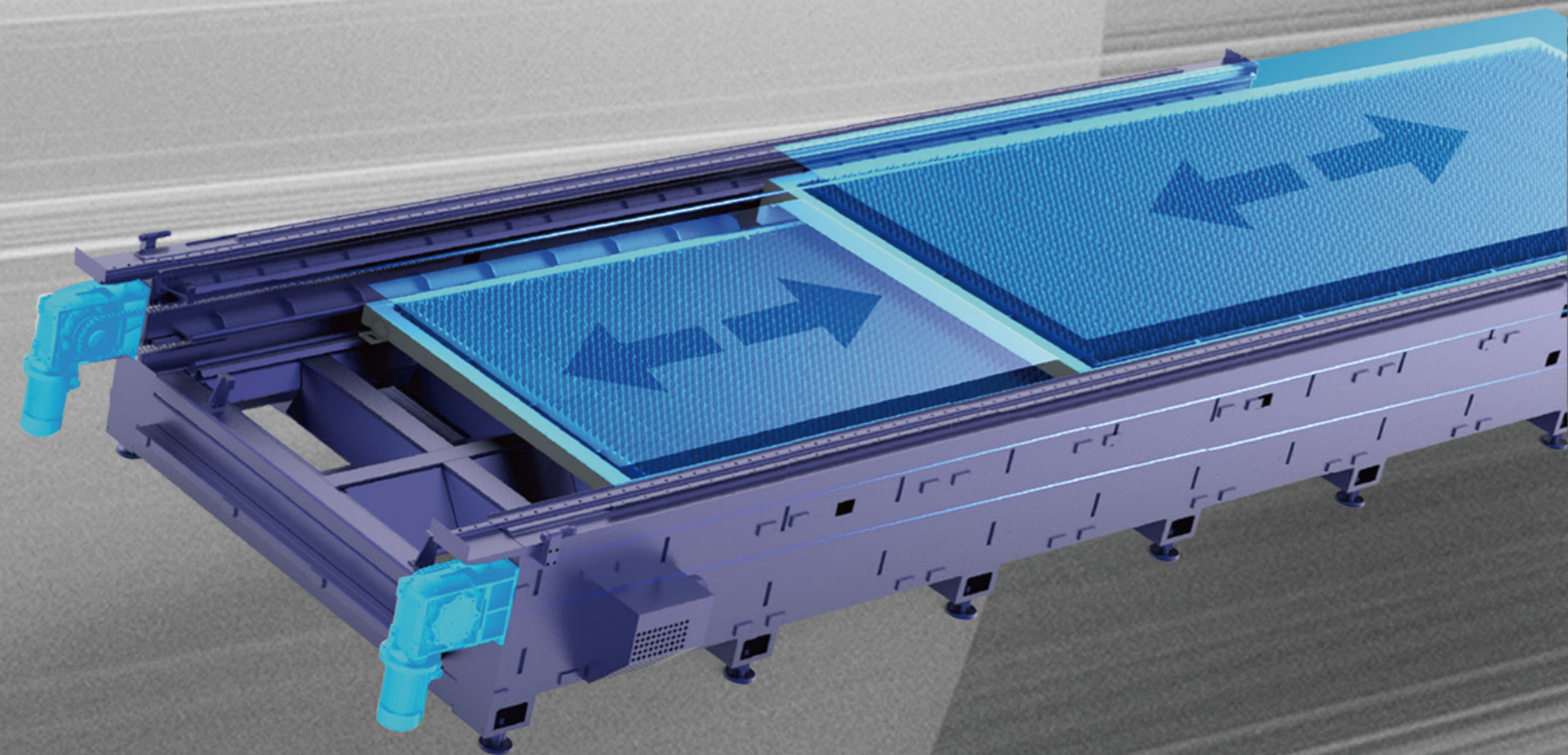




HIGH-PRECISION TOP-SPEED ($\leq 15S$) EXCHANGE PLATFORM

The platform is driven by dual motors which work independently without effect on each other in terms of accuracy, thus, exchange is fast and slags are removed easily, moreover, it is positioned by double taper pins, keeping itself stable while cutting.

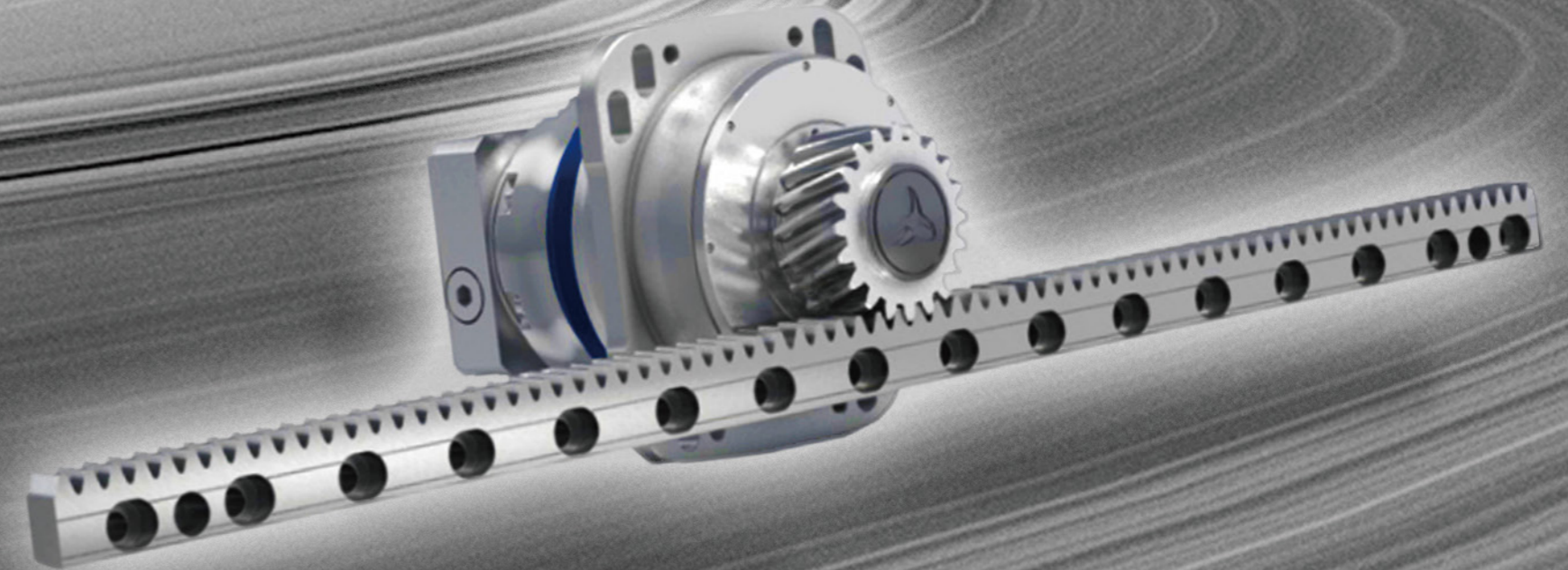
Applicable models: G6025TE and GHE-35HQ series.

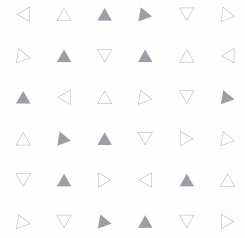


▶ GERMAN-IMPORTED TRANSMISSION PARTS

Core transmission parts of machine bed are completely imported from German Alpha, the inventor of European speed reducer, hence, our machine has the top configuration among same-grade models and can ensure the high-speed cutting accuracy for a long time.

Applicable models: GH, GA, GHE-35HQ, GE and GB series.

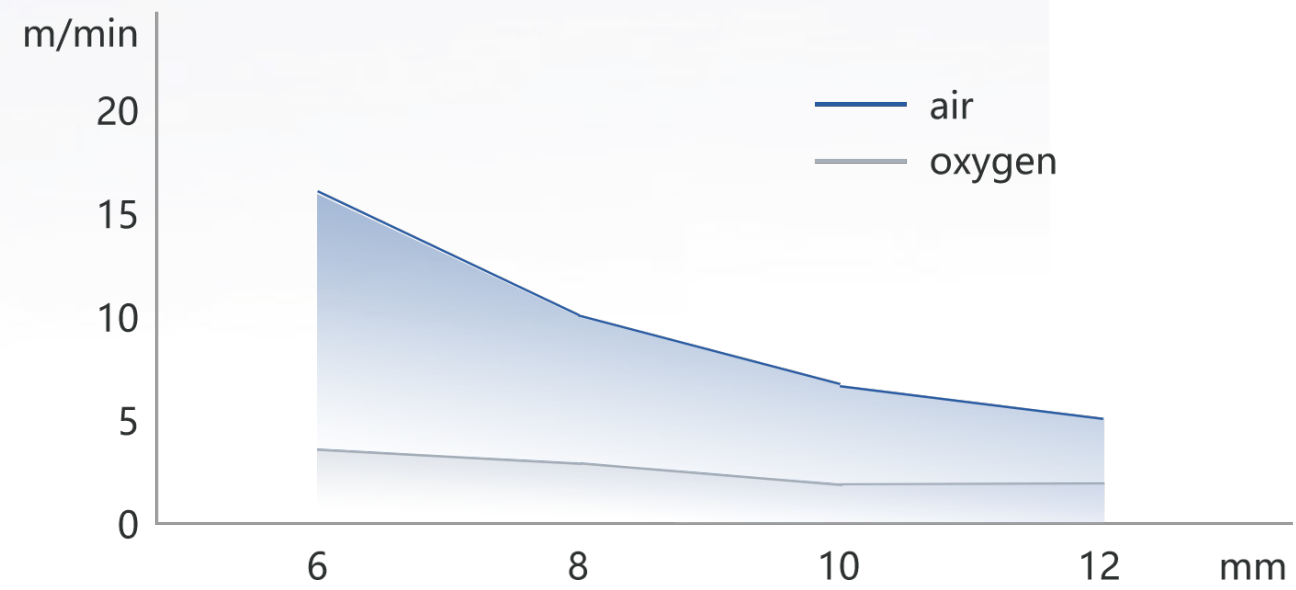




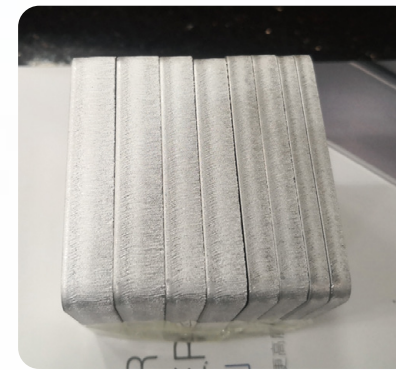
LOW PRESSURE AIR CUTTING TECHNOLOGY

The cutting speed of air is 3 times faster than that of oxygen and has high efficiency. Low-pressure cutting, not like high-pressure cutting that requires high-pressure high-energy air compressor, can save 50% energy and lower using costs.

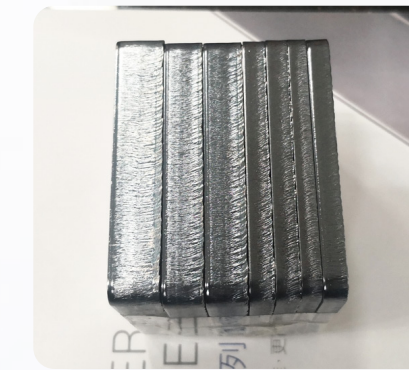
Applicable models: GH, GHE-35HQ series.



15kW CS cutting speed comparison



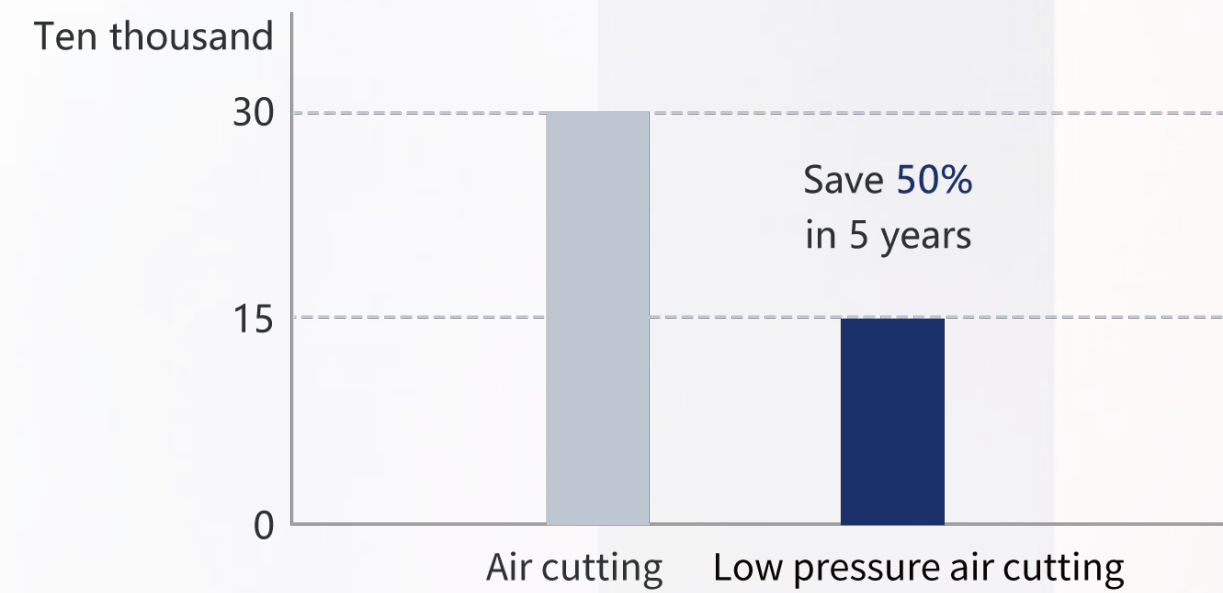
AL cutting by air



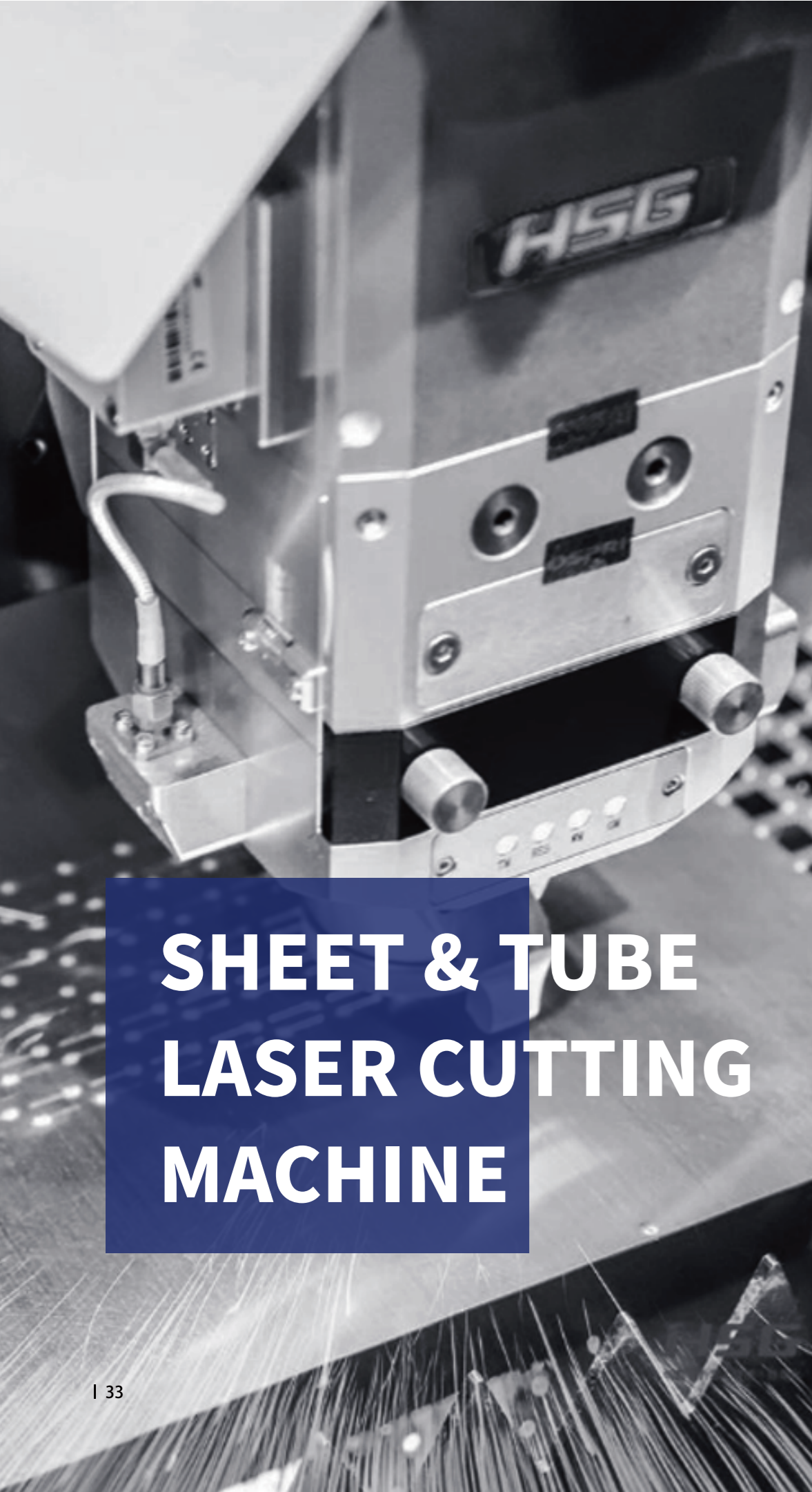
Iron cutting by air



SS cutting by air



Low pressure air cutting VS Air cutting



SHEET & TUBE LASER CUTTING MACHINE

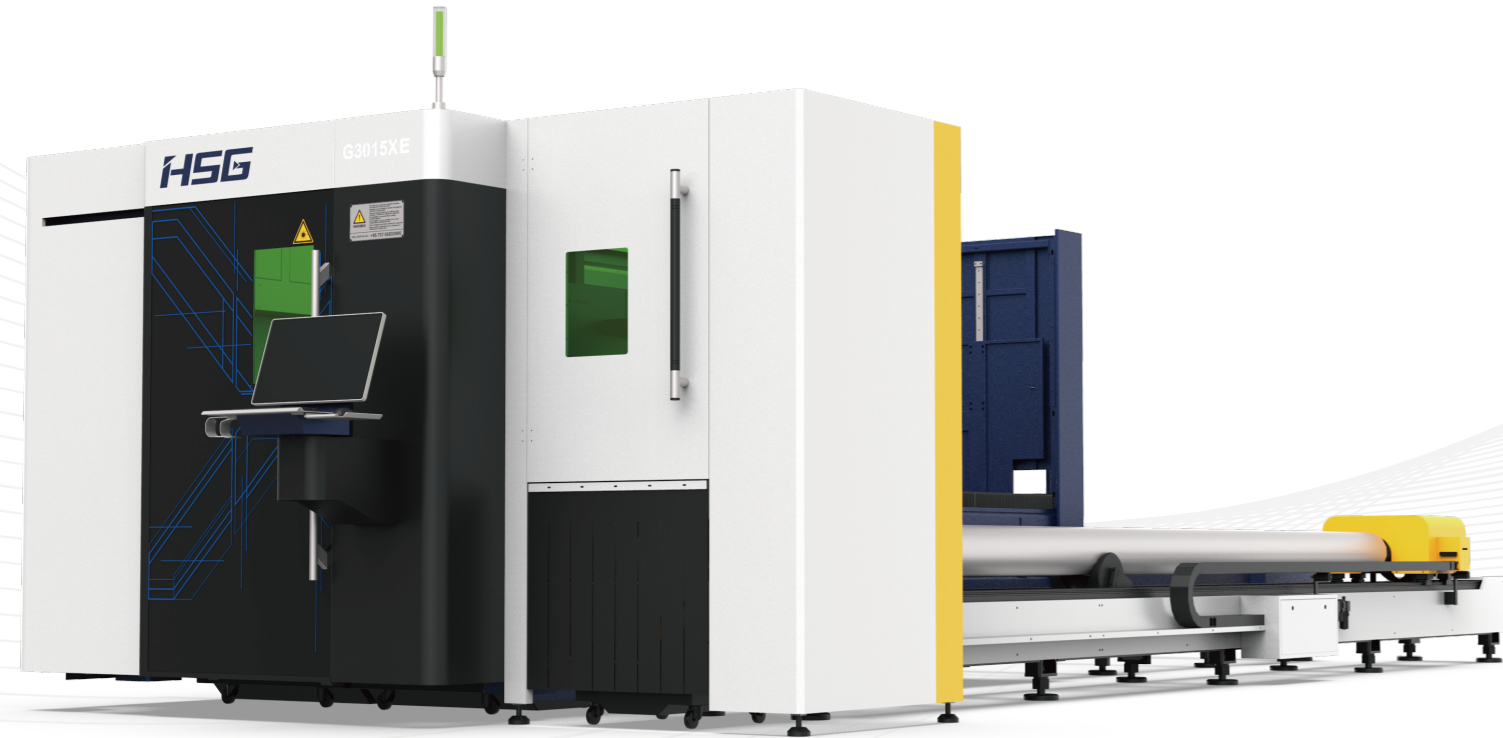
GTE SERIES HIGH-POWER LARGE-CALIBER



Technical Parameter	GTE
Processing Format (L*W)	3050mm*1525mm/4000mm*2000mm /6000mm*2500mm/8000mm*2500mm
Laser Power	8000-12000W
X/y Axis Positioning Accuracy	±0.03mm/m
X/y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	100m/min
Max. Acceleration	1.2G
Processable Materials	Round tube: φ20-325mm, square tube 20*20mm-230*230mm, rectangular tube: diagonal≤325mm
Max. Loading Weight Of Sheet Workbench	1100kg/2000kg/3500kg/4680kg
Max. Loading Weight Of Tube Workbench	200kg

GXE SERIES

STANDARD CONTAINER TRANSPORT MODEL



Technical Parameter	GXE
Processing Format (L*W)	3048mm*1524mm
Laser Power	1500-6000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	60m/min
Max. Acceleration	0.5G
Max. Loading Weight	900kg
Max. Loading Weight of Tube Workbench	100kg

GHE SERIES

ULTRA-HIGH-POWER



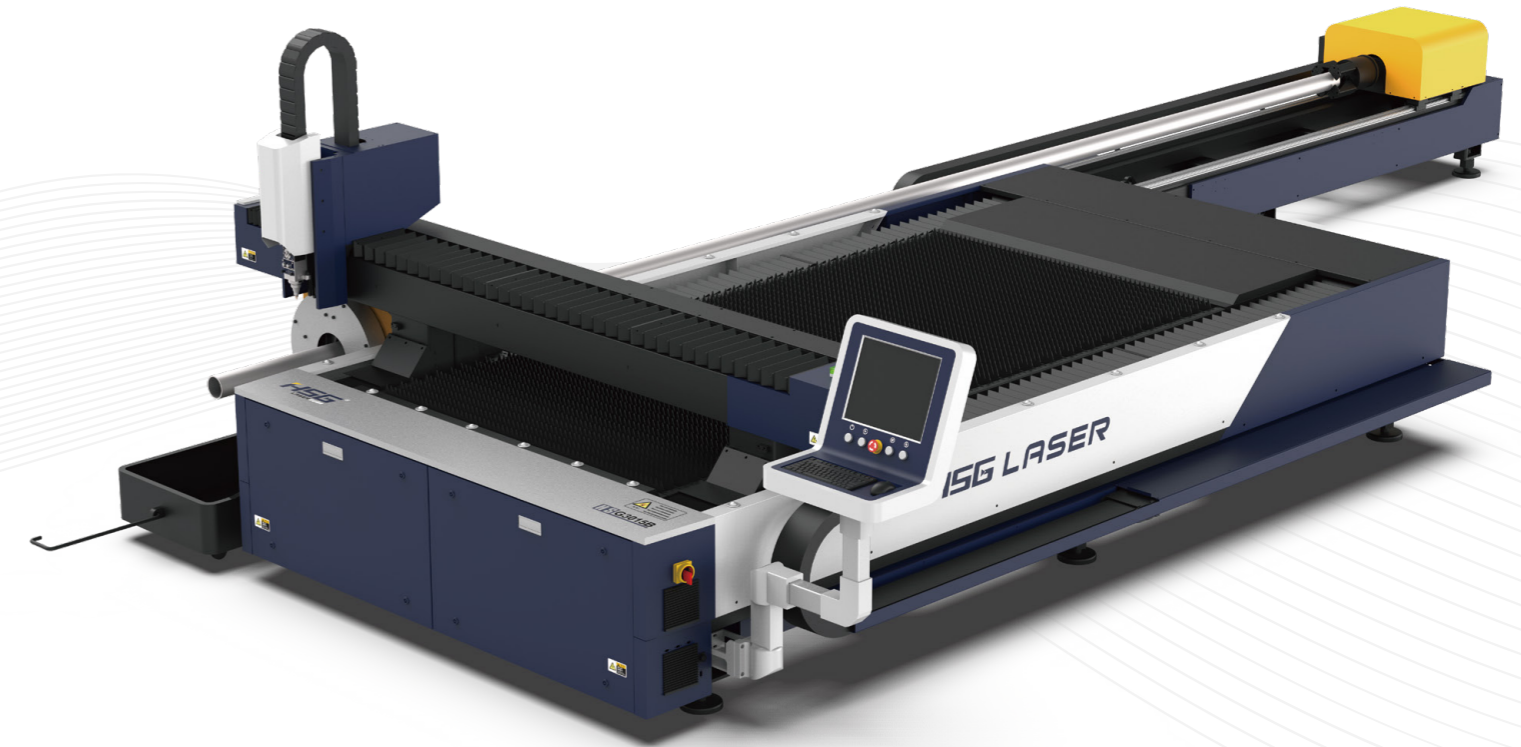
Technical Parameter	GHE-35HQ
Processing Format (L*W)	4000mm*2000mm/6000mm*2000mm /6000mm*2500mm/8000mm*2500mm
Laser Power	12000-20000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.02mm
Max. No-load Speed	120m/min
Max. Acceleration	1.2G
Processable Materials	Round tube: φ20-325mm, square tube 20*20mm-230*230mm, rectangular tube: diagonal≤325mm
Max. Loading Weight Of Sheet Workbench	2800kg/4200kg/5300kg/7020kg
Max. Loading Weight Of Tube Workbench	200kg

GE SERIES FULL-PROTECTIVE DOUBLE EXCHANGE PLATFORMS



Technical Parameter	GE
Processing Format (L*W)	3000mm*1500mm/4000mm*2000mm/6000mm*2000mm
Laser Power	1500-6000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	60m/min
Max. Acceleration	0.5G
Processable Materials	Round tube: φ20-210mm, φ20-325mm; square tube: 20*20mm-150*150mm, 20*20mm-230*230mm; rectangular tube: diagonal ≤210mm, ≤325mm
Max. Loading Weight Of Sheet Workbench	800kg/1400kg/2000kg
Max. Loading Weight Of Tube Workbench	100kg

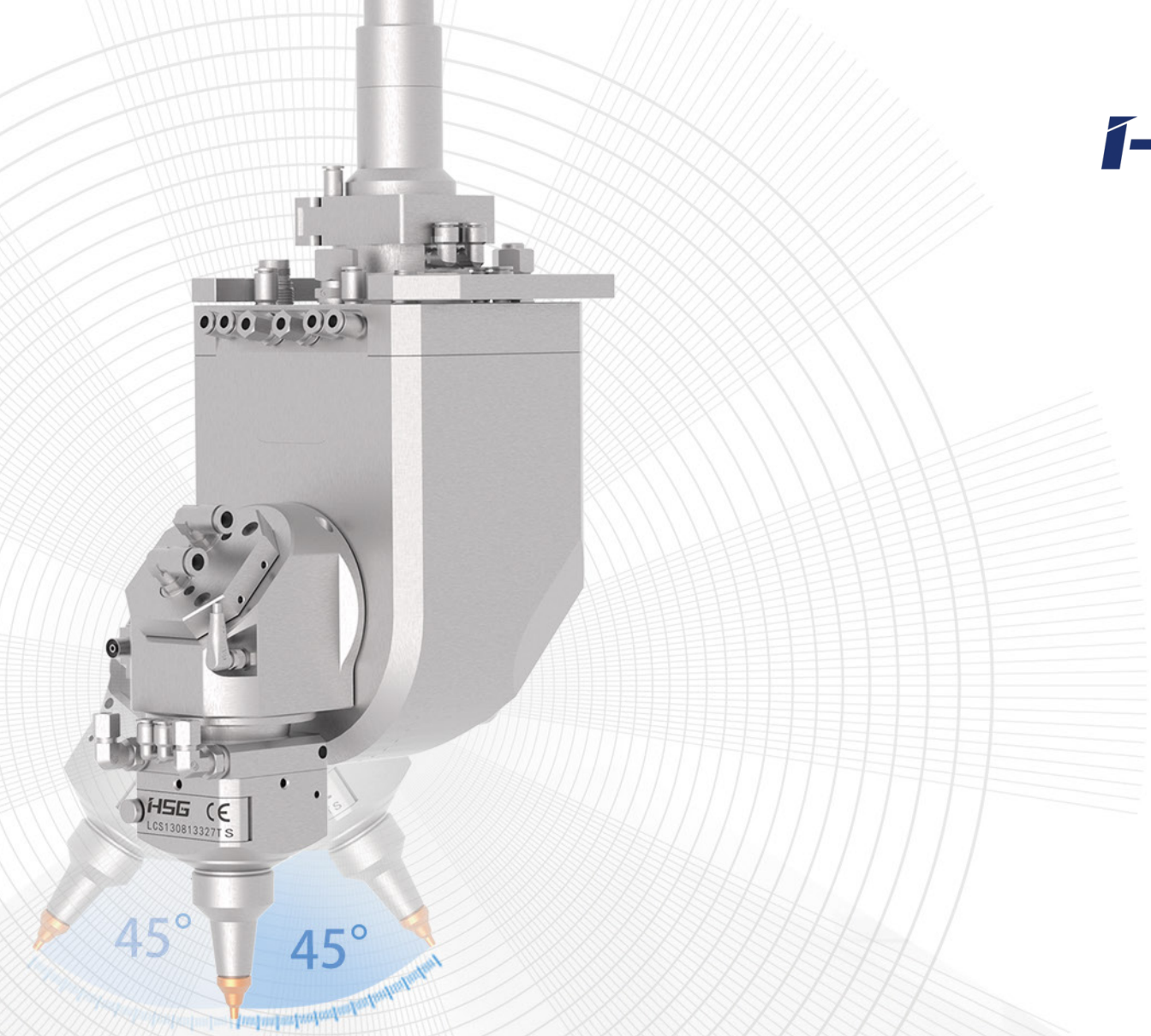
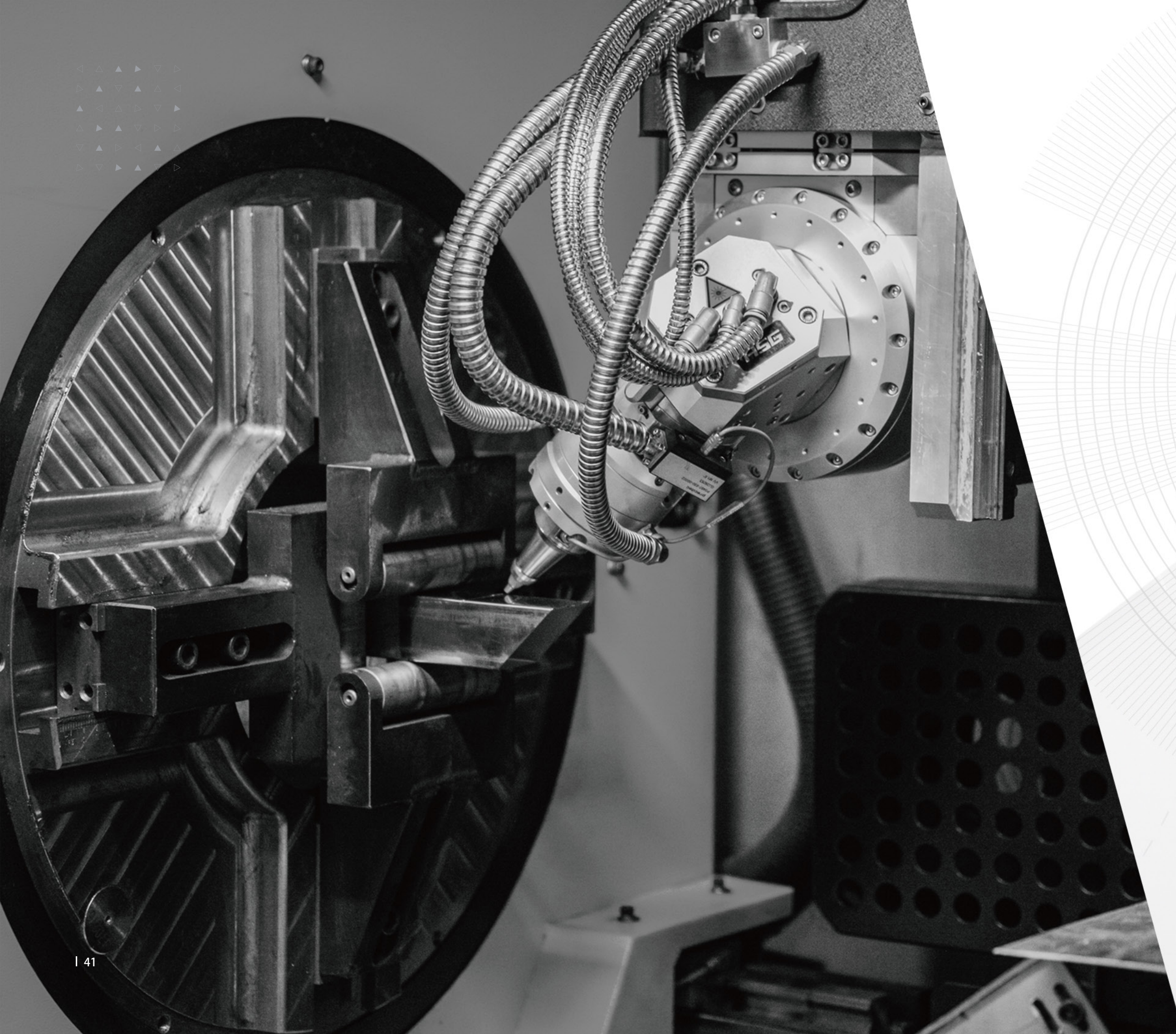
GB SERIES COMPACT-SIZE SINGLE PLATFORM



Technical Parameter	GB
Processing Format (L*W)	3000mm*1500mm/4000mm*2000mm/6000mm*2000mm
Laser Power	1500-3000W
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. No-load Speed	60m/min
Max. Acceleration	0.5G
Processable Materials	Round tube: φ20-210mm; square tube: 20*20mm-150*150mm; rectangular tube: diagonal ≤210mm
Max. Loading Weight Of Sheet Workbench	800kg/1400kg/1900kg
Max. Loading Weight Of Tube Workbench	100kg

TUBE METAL LASER CUTTING MACHINE

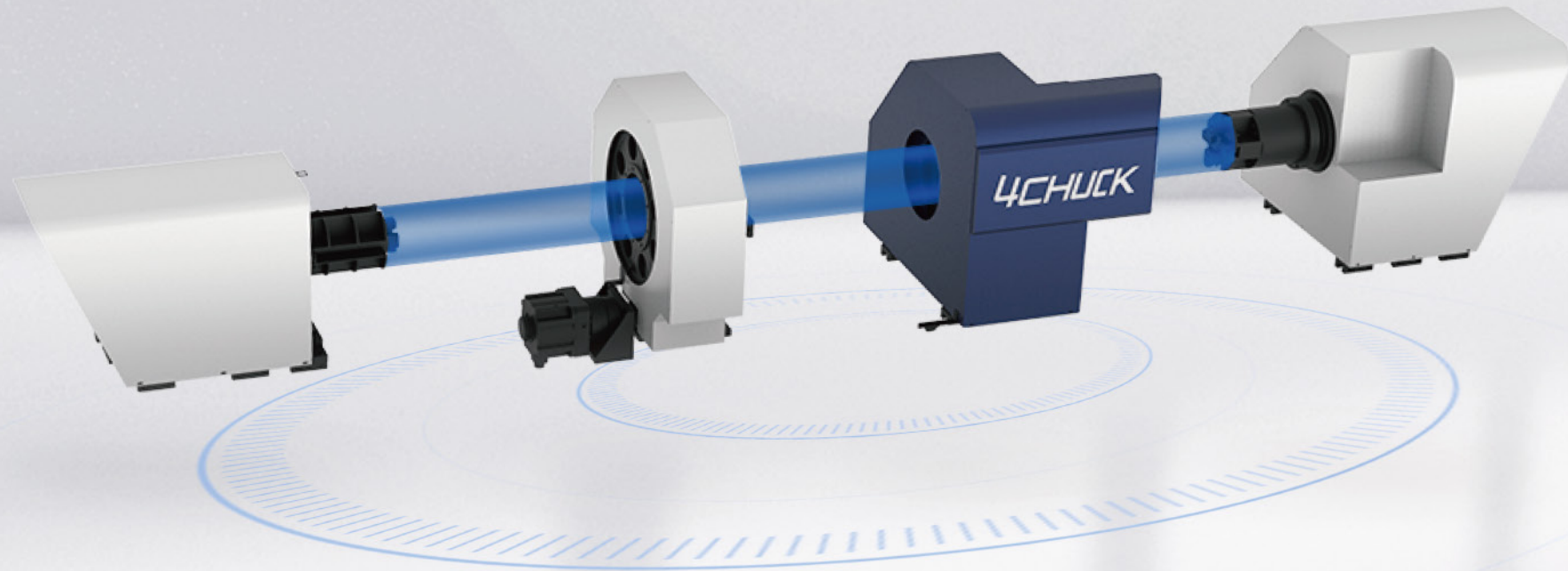




► 3D FIVE-AXIS SMART CUTTING TECHNOLOGY

The swing cutting head customized from German, in combination with premium five-axis CNC system, contributes to excellent 3D five-axis smart cutting technology; It can cut the maximum 45° bevel angle, realize seamless tube splicing, facilitate the bevel welding of medium and thick tube, and help users improve their core competitiveness; The industry's unique Speed+, flying cutting, and leapfrog tube cutting technologies can help to realize smart cutting, improve efficiency, and demonstrate the charm of perfect cutting.

■ Applicable models: TP65S, R9, TL500 (swing cutting head is optional) series.



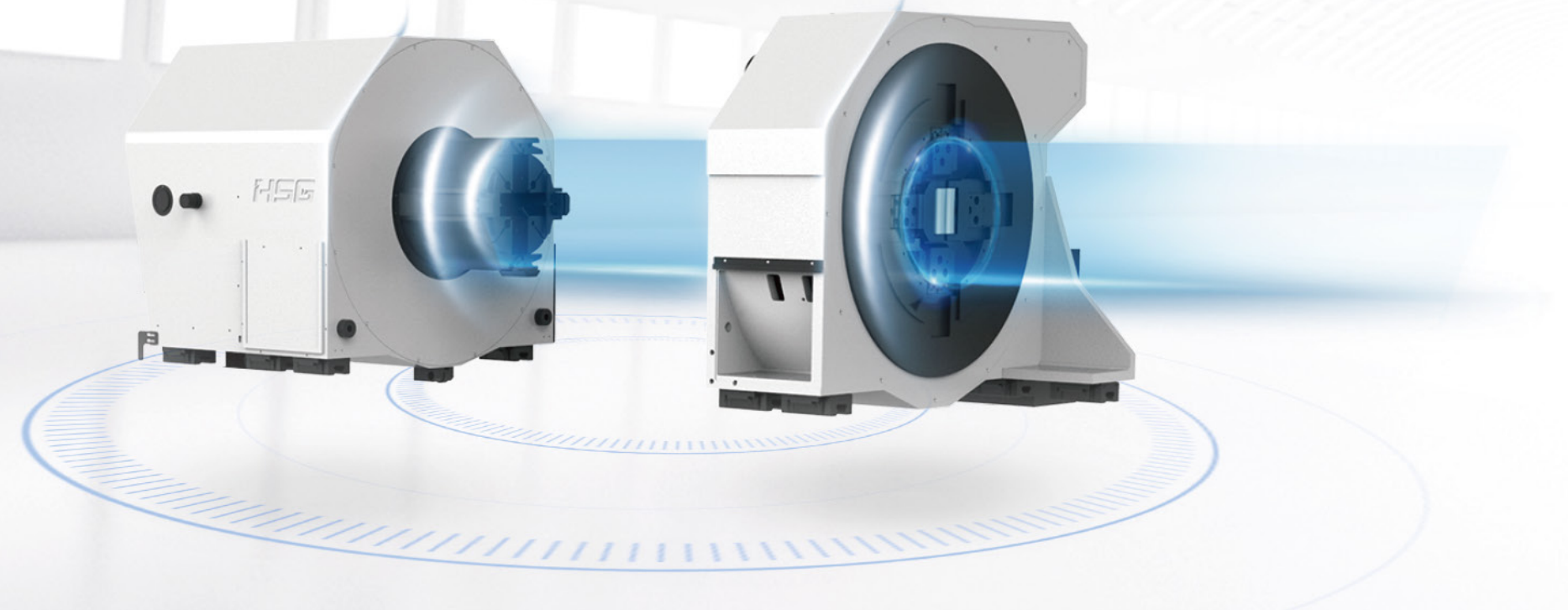
INNOVATIVE FOUR CHUCK, REAL “0” TAILING

Innovative Four Chuck, Real “0” Tailing

We adopt two hydraulic+two pneumatic chucks in our tube laser cutting machines. The oil cylinder, with large clamping force, can clamp overweight tubes stably. Claw status will be intelligently detected and tube data are accessible easily.

These four chucks will reverse to cut tubes by working with claws. As a result, real “0” tailing is realizable to improve material utilization to 100%.

Applicable models: TL220, TL300, TL350 and TL500 series.



► HIGH-SPEED AND WIDE SCOPE OF CUTTING

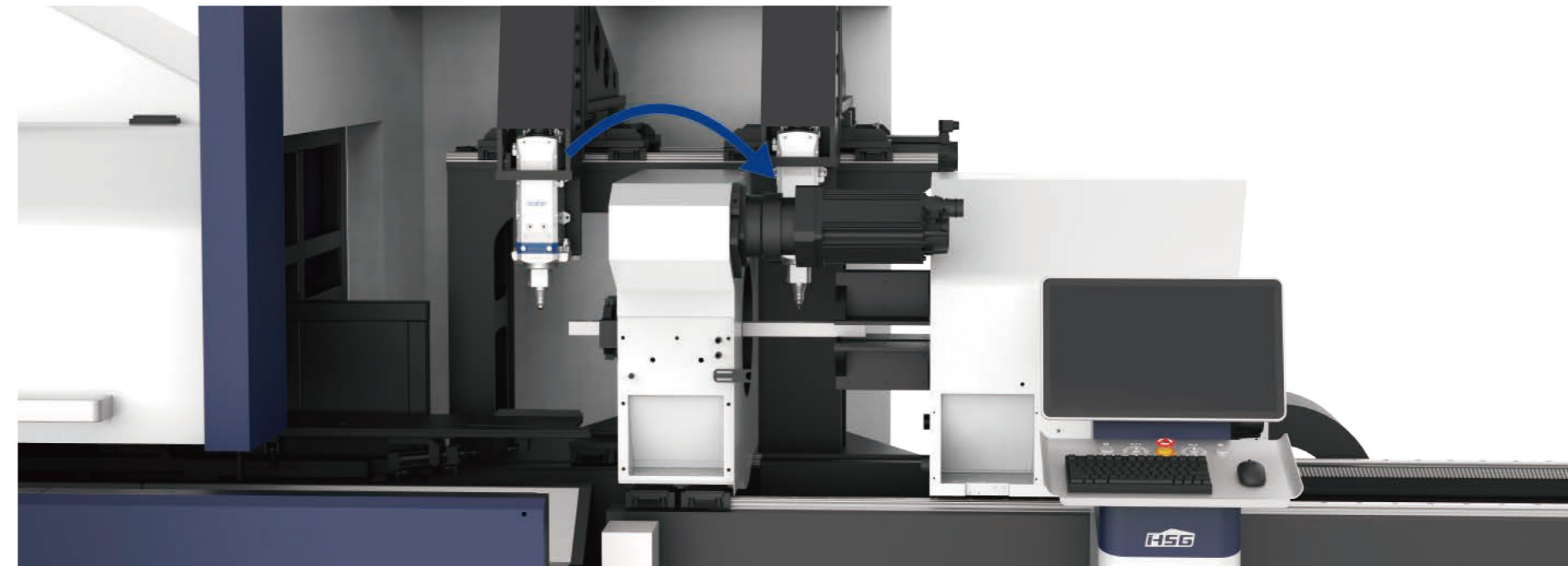
With imported high-torque servo motor, our laser machines’ rotating speed, max. speed and acceleration can reach up to 100r/min-170r/min, 100m/min-140m/min and 1.0-1.2G respectively. The tube diameter varies from 10 to 426mm. Except for conventional tubes, profiles and special-shaped tubes made of carbon steel, stainless steel, brass, red cooper and aluminum alloy are also cut easily.

Applicable models: R, T and TL series tube metal laser cutting machines.

▶ SPACE LEAPFROG AND FLYING CUTTING TECHNOLOGY

HSG's cross-plane space leapfrog and flying cutting technology (patent No. ZL201810158585.8) can minimize the moving path of cutting head without repeated lifting or falling action. The cutting efficiency will be improved by 50%+ especially when processing square tube.

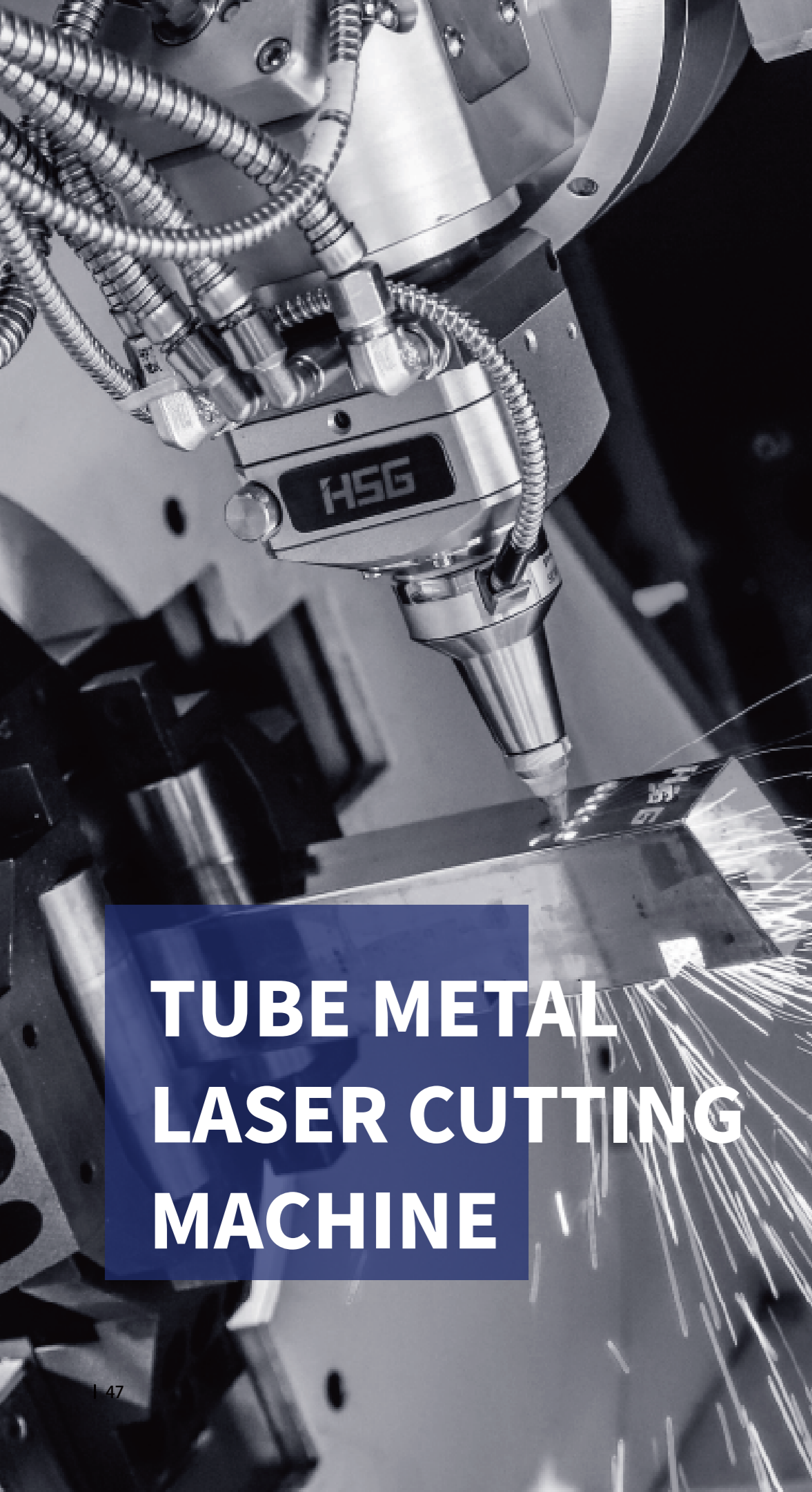
■ Applicable models: TX65PLUS, TX90PLUS and TX120PLUS series.



▶ SELF-DEVELOPED HSG-XMT MULTI-TOUCH OPERATING SYSTEM

This system, with innovative multi-touch gestures, simple navigation pages and built-in tube graph library, simplifies your programming, operating, production and maintenance. Henceforth, operating industrial equipment is as easy as playing a tablet computer.

■ Applicable models: R7 and R9 series.



TUBE METAL LASER CUTTING MACHINE

TP65S SERIES PROFESSIONAL BEVEL CUTTING

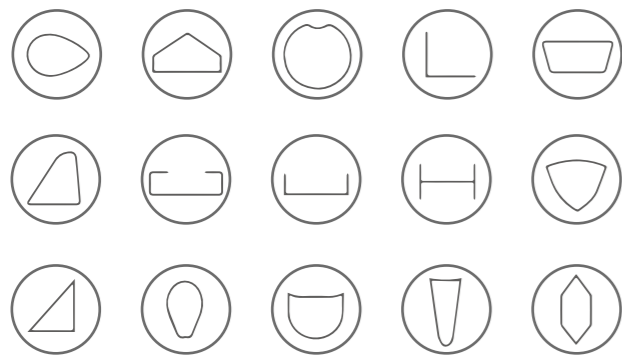


Technical Parameter	TP65S
Laser Power	1500-6000W
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. No-load Speed	140m/min
Chuck Rotating Speed	120r/min
Max. Acceleration	1.2G
Processable Materials	Round tube: φ20-254mm; square tube: 20*20mm-200*200mm
Pipe Length	6500mm
Weight Of Single Tube	200kg
Bevel Processing	Yes
Chuck Type	Intelligent digital chuck

TS65 SERIES ALL-POWERFUL



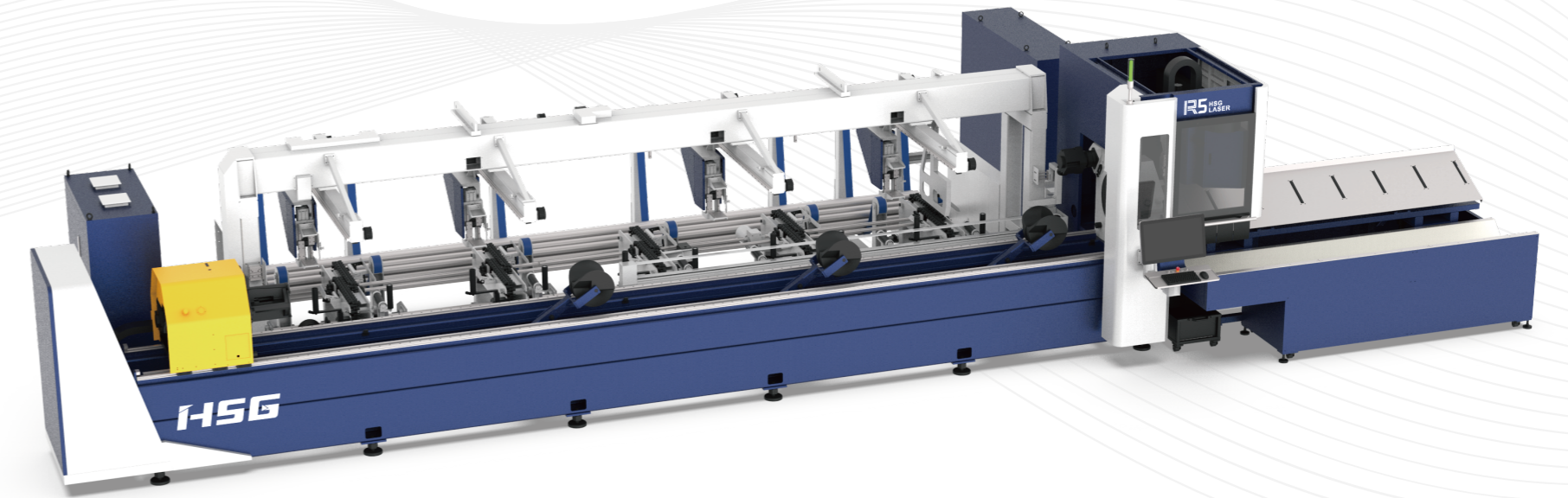
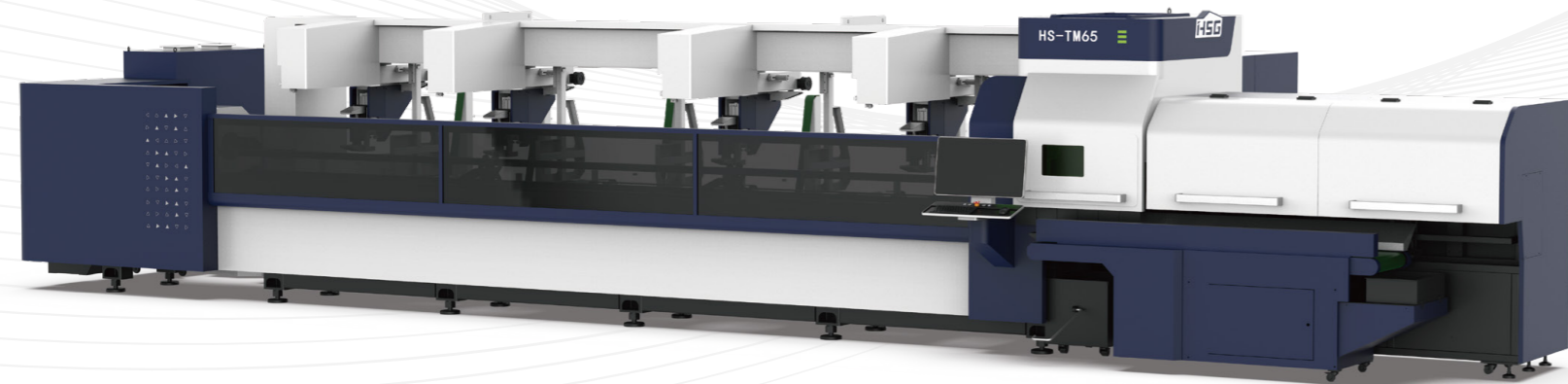
EASY TO CUT CONVENTIONAL AND SPECIAL-SHAPED TUBES



Technical Parameter	TS65
Laser Power	1500-6000W
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. No-load Speed	120m/min
Chuck Rotating Speed	120r/min
Max. Acceleration	1.2G
Processable Materials	Round tube:Φ12-254mm; square tube: 12*12-200*200mm; Rectangular Tube: 12-200mm
Pipe Length	6500mm
Weight Of Single Tube	200kg
Bevel Processing	No
Chuck Type	Intelligent digital chuck

TM65 SERIES TINY TUBE

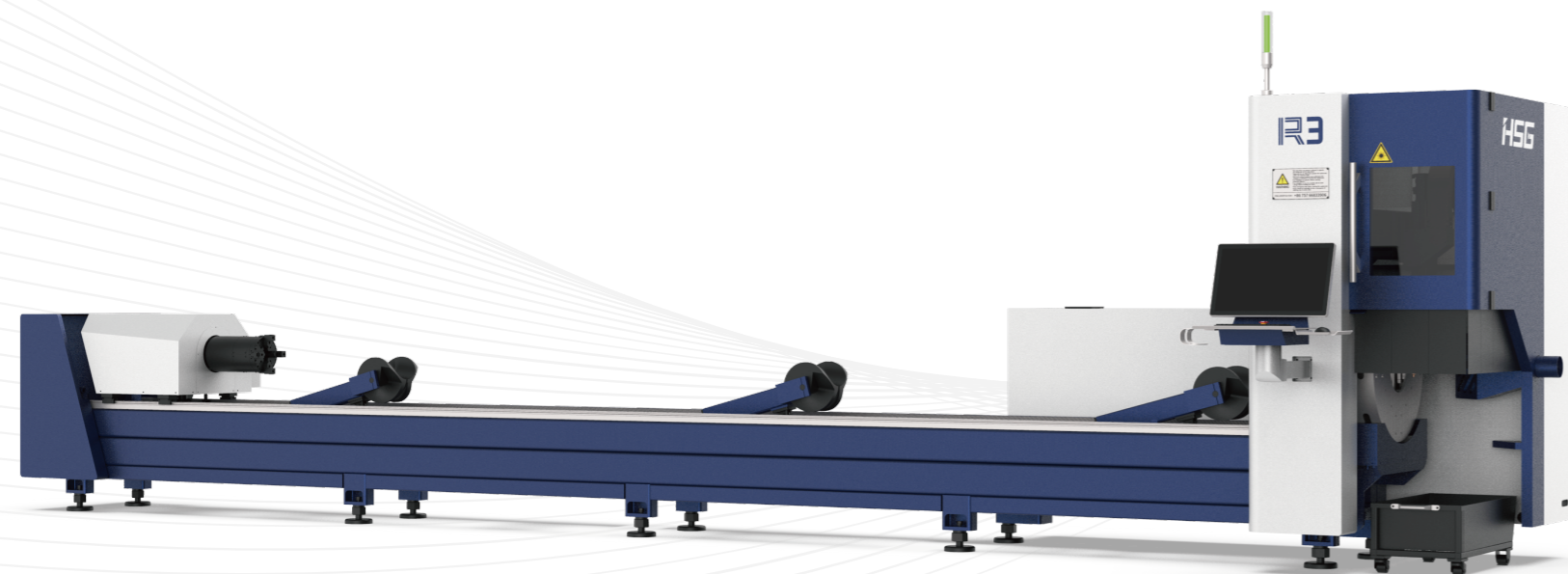
R5 SERIES FULL-AUTOMATIC



Technical Parameter	TM65
Laser Power	1500-6000W
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. No-load Speed	140m/min
Chuck Rotating Speed	200r/min
Max. Acceleration	1.2G
Processable Materials	Round tube:φ10-100mm; square tube: 10*10-70*70mm; rectangular tube: 10-70 (side length)
Pipe Length	6500mm
Weight Of Single Tube	50kg
Bevel Processing	No
Chuck Type	Common pneumatic chuck

Technical Parameter	R5
Laser Power	1500-4000W
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. No-load Speed	100m/min
Chuck Rotating Speed	100r/min
Max. Acceleration	1.0G
Processable Materials	Round tube: φ20-254mm; square tube: 20*20mm-200*200mm;
Pipe Length	6500mm
Weight Of Single Tube	200kg
Bevel Processing	No
Chuck Type	Common pneumatic chuck

R3 SERIES ECONOMICAL



Technical Parameter	R3
Laser Power	1500-3000W
Positioning Accuracy	±0.05mm/m
Repositioning Accuracy	±0.03mm
Max. No-load Speed	90m/min
Chuck Rotating Speed	90r/min
Max. Acceleration	0.8G
Processable Materials	Round tube: φ20-219mm; square tube: 20*20mm-150*150mm;
Pipe Length	6000mm
Weight Of Single Tube	100kg
Bevel Processing	No
Chuck Type	Common pneumatic chuck

TXPLUS SERIES HEAVY-DUTY



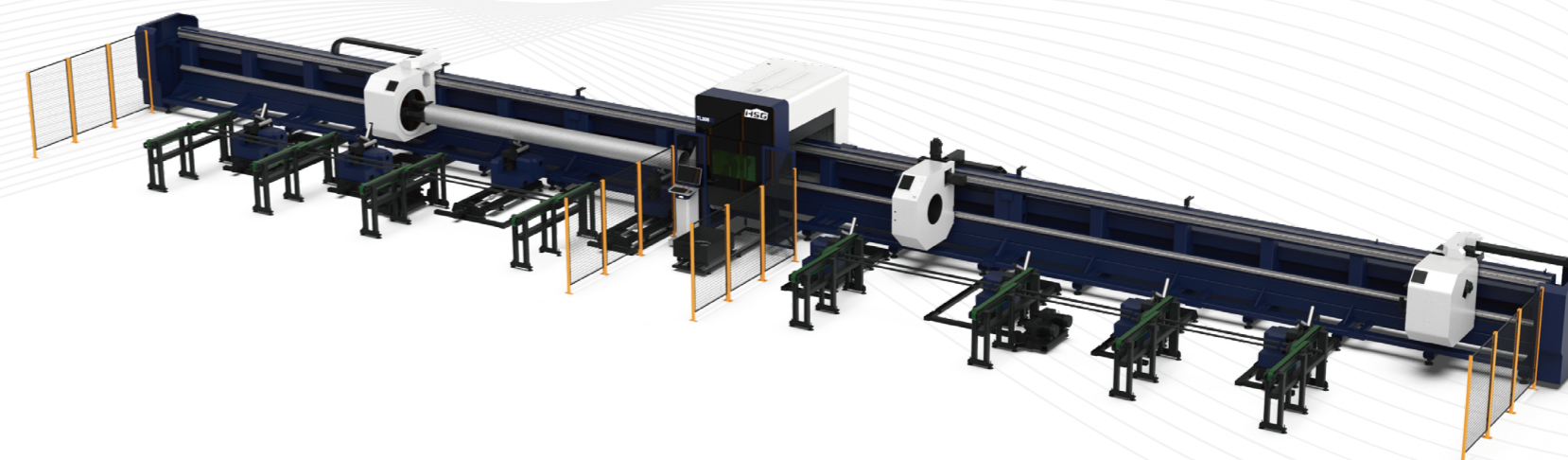
Technical Parameter	TXPLUS
Laser Power	3000-6000W
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. No-load Speed	80m/min
Chuck Rotating Speed	80r/min
Max. Acceleration	0.6G
Processable Materials	Round tube: φ20-325mm; square tube: 20*20mm-230*230mm;
Pipe Length	6500mm
Weight Of Single Tube	500kg
Bevel Processing	Yes (optional)
Chuck Type	Intelligent digital chuck

TL220 SERIES REAL ZERO TAILING



Technical Parameter	TL220
Laser Power	1500-3000W
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. No-load Speed	110m/min
Chuck Rotating Speed	100r/min
Max. Acceleration	1.0G
Processable Materials	Round tube: φ20-210mm; square tube: 20*20mm-150*150mm;
Pipe Length	6500mm
Weight Of Single Tube	100kg
Bevel Processing	No
Chuck Type	Common pneumatic chuck

TL500 SERIES ULTRA-HEAVY-DUTY



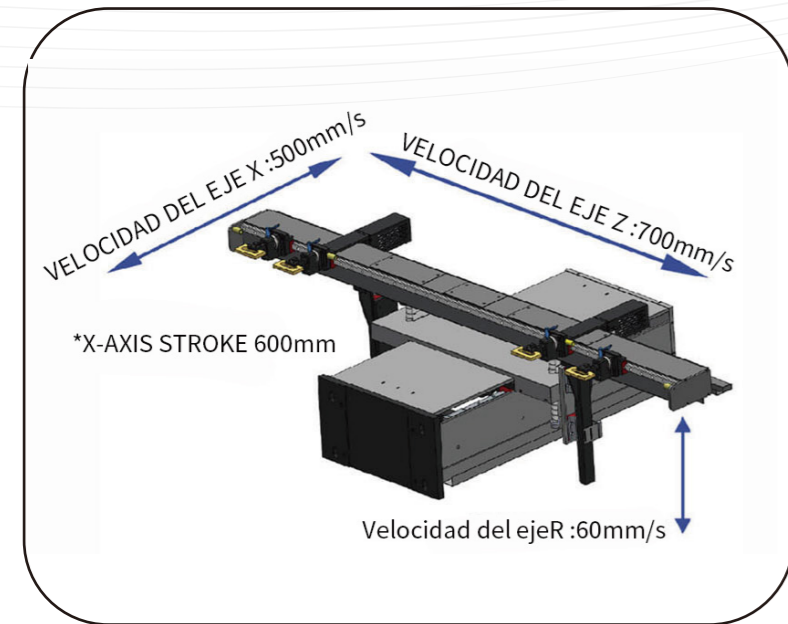
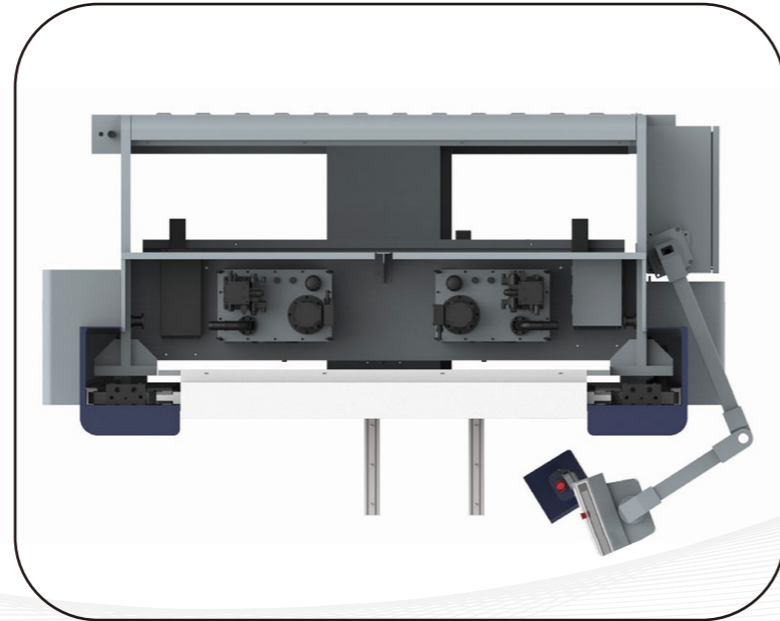
Technical Parameter	TL500
Laser Power	3000-6000W
Positioning Accuracy	±0.05mm/m
Repositioning Accuracy	±0.05mm
Max. No-load Speed	40m/min
Chuck Rotating Speed	30r/min
Max. Acceleration	0.3G
Processable Materials	Round tube: φ80-426mm; square tube: 80*80mm-300*300mm;
Pipe Length	12000mm
Weight Of Single Tube	1500kg
Bevel Processing	Yes
Chuck Type	Intelligent digital chuck

BENDING MACHINES AND WELDING MACHINE



► **DSVP-BASED OIL-ELECTRIC HYBRID SYSTEM**

Dual servo motors control the oil pump directly, bringing fast braking and substantially improved production efficiency; Servo motors may stop if flow or pressure is unneeded, which reduces noise and energy consumption; Low heat balance temperature lowers the risk of oil leakage, with no need for cooling device, nor traditional bulky oil tank, improving service life of hydraulic system and oil cylinder.



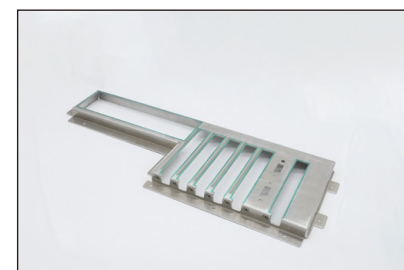
► **EFFICIENT AND RELIABLE BACKGAUGE SYSTEM**

The machine can position after high-speed movement, X-axis: 500mm/s, Z-axis: 700mm/s, R-axis: 60mm/s; X-axis Stroke 600mm, and high-precision positioning, X-axis: ±0.01mm, Z-axis: ±0.1mm, R-axis: ±0.1mm.

Technical Parameter	HB
Rated Power	9350W/17000W
Bending Force	600KN/1100KN/2200KN
Max. Bending Length	2020mm/3020mm/4040mm
Stroke Length	180mm/200mm
Oil Capacity	70L
Overall Dimensions (L*W*H)	2460*1530*2540mm
	3470*1630*2700mm
	4560*1755*2700mm

► **SWITZERLAND (CYBELEC)
CYBTOUCH 12PS CONTROL SYSTEM**

CybTouch 12PS system adopted by this machine can realize single bending easily by using 2D graph programming page "EasyBend"; calculate bending data, bending angle, main pressure and deflection compensation automatically; correct the angle and back gauge range; its efficient bending program makes bulky production come true.



► **SERVO MOTOR**

Servo motor is used as primary power source for hydraulic pump, replacing asynchronous motor. The mature and reliable proportional valve control technology will be retained.

Its servo-controlled variable pump can significantly reduce bed noise and oil heat, and save energy consumption by 40%+.

Technical Parameter	HC
Rated Power	5000W/11000W/15000W
Bending Force	500KN/1700KN/2200KN/3200KN /4000KN
Oil Capacity	160L/500L
X/Y Axis Positioning Accuracy	±0.1mm/±0.02mm
Bending Precision	Straight line: ±0.2mm/m Angle: ±0.5°mm/m

SMALLER SIZE, FLEXIBLE AND CONVENIENT

FMW integrates its laser, water tank, and control parts together to reduce its total size. Its movable casters make workplace changing easier whenever necessary.

The handheld welding gun is equipped with 5m, 8m or 10m optical fiber, which breaks through the limitation of workbench, making welding range wider.

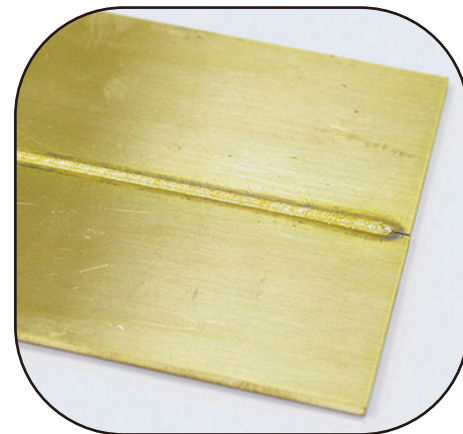


HIGH-QUALITY WELDING, FIRM WELDS

Its continuous laser mode can make welds transition smooth and firm without fish scale;

Due to small area affected by welding heat, the yellowing and blackening area on both sides of welds will be also small and work-piece deformation is consequently reduced;

The welding surface is relatively smooth with no need for further polishing, saving labor and time costs.



LOW USE AND MAINTENANCE COSTS

The photoelectric converting rate of continuous laser is as high as above 30%, which is 10 times that of the solid YAG laser (3%), and its power stability is $\pm 0.5\%$;

There is no optical lens in resonant cavity, and pump source can last for over 100,000 hours, basically maintenance-free;

There is no need to add welding wire during welding, and no additional consumable costs.



Technical Parameter	FMW
Power	1000W/1500W
Laser Wavelength	1070 \pm 10nm
Working Mode	Continuous/Pulse
Welding Thickness	Stainless steel/carbon steel:0.5-2mm
Welding Seam	<0.5mm
Positioning Mode	Red light positioning



▶ CUSTOMER WITNESS



▶ PRE-SALE SERVICE



Professional Consultation

We can provide customers with product information consulting service at any time by network, phone, e-mail or door-to-door service.



Inspection & Reception

Any customer will be fervidly served while visiting HSG's headquarters, subsidiaries, branches and exhibition halls.



Free Samples

We are pleased to cut and send samples to you for free.

▶ IN-SALE SERVICE

We always treat each customer with integrity and fairness and will carry out all terms of contract signed with you. HSG hereby promises that you will undoubtedly receive high-quality machines as you ordered.

▶ AFTER-SALE SERVICE



Commitment Of Quality Assurance

The warranty period of complete machine will last for 1 year (except for vulnerable parts: optical lens, cutting nozzle).



Three Free Services

Free training, free installation and free upgrade of software.



Contact Us

TEL: +86 757-66833906
 Email: info@hsglaser.com
 Global network service: HSG experts will offer online failure diagnosis and give professional solutions as soon as possible.



Written Instructions Attached

Installation guide, maintenance guide, discharge guide, training guide, etc.



PROFESSIONAL ▶
CUSTOMER SERVICE



Sheet cutting



Tube cutting



High-precision cutting



Artistic decorations

