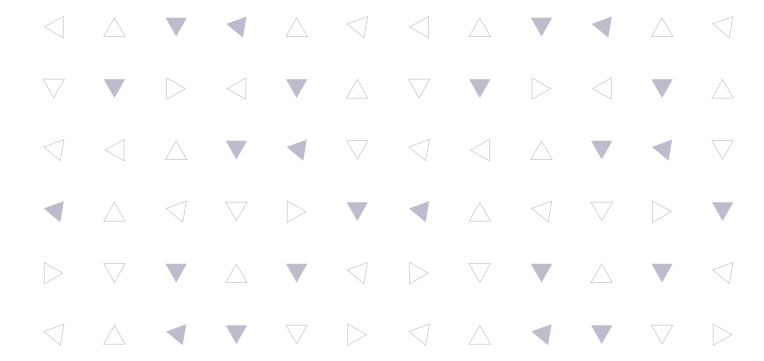




PRODUCT CATALOG



HSG LASER CO., LTD.

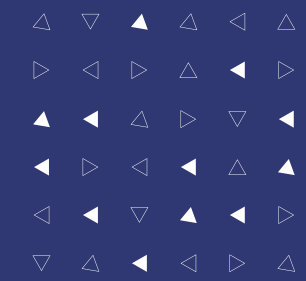
www.hsglaser.com

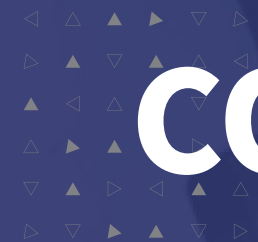
780 Belden Ave, Addison, IL 60101

(630)359-5861

us@hsglaser.com

International Brand | European Standard | Local Service





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20
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160,000+ m²
Occupied Area

R&D Patents



426
Patents in Total



78
Patents for
Invention

■ ABOUT US

“

HSG Laser

Our vision is to be a world-leading provider of metal shaping equipment & comprehensive solutions.

Our mission is to support our clients from various industries like automotive, medical equipment, or construction, to achieve high-speed growth.

”



▲ Our Headquarters



▲ Suzhou Subsidiary



▲ Jinan Subsidiary



▲ Thailand Subsidiary



▲ Japanese Subsidiary



▲ America Subsidiary



▲ German Subsidiary

R&D ▶▶▶ Strength



HSG Laser has established an optical R&D center in Japan, which always focuses on professional laser cutting machines and core spare parts. Until now, it has researched and developed: 3D five-axis cutting technology, P series intelligent cutting heads, and intelligent digital four chucks etc.

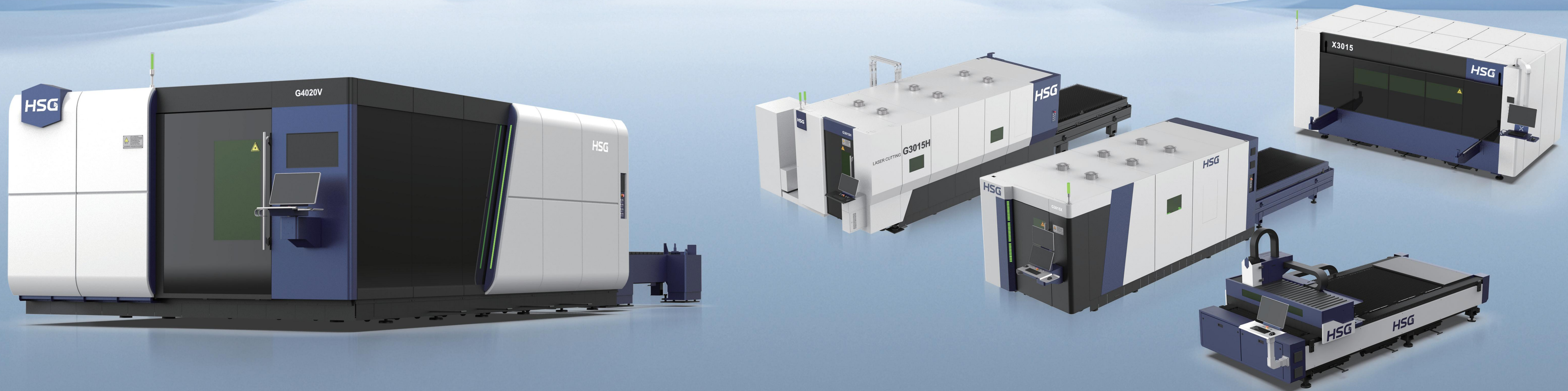


HSG Laser can serve global users with 20+ kinds of machines that are suitable for most materials.

- Sheet metal laser cutting machine
- Sheet & tube laser cutting machine
- Tube metal laser cutting machine
- Bending machine
- Handheld laser welding machine
- 3D five-axis cutting machine
- Automation equipment

■ SHEET METAL
LASER CUTTING MACHINE

HSG



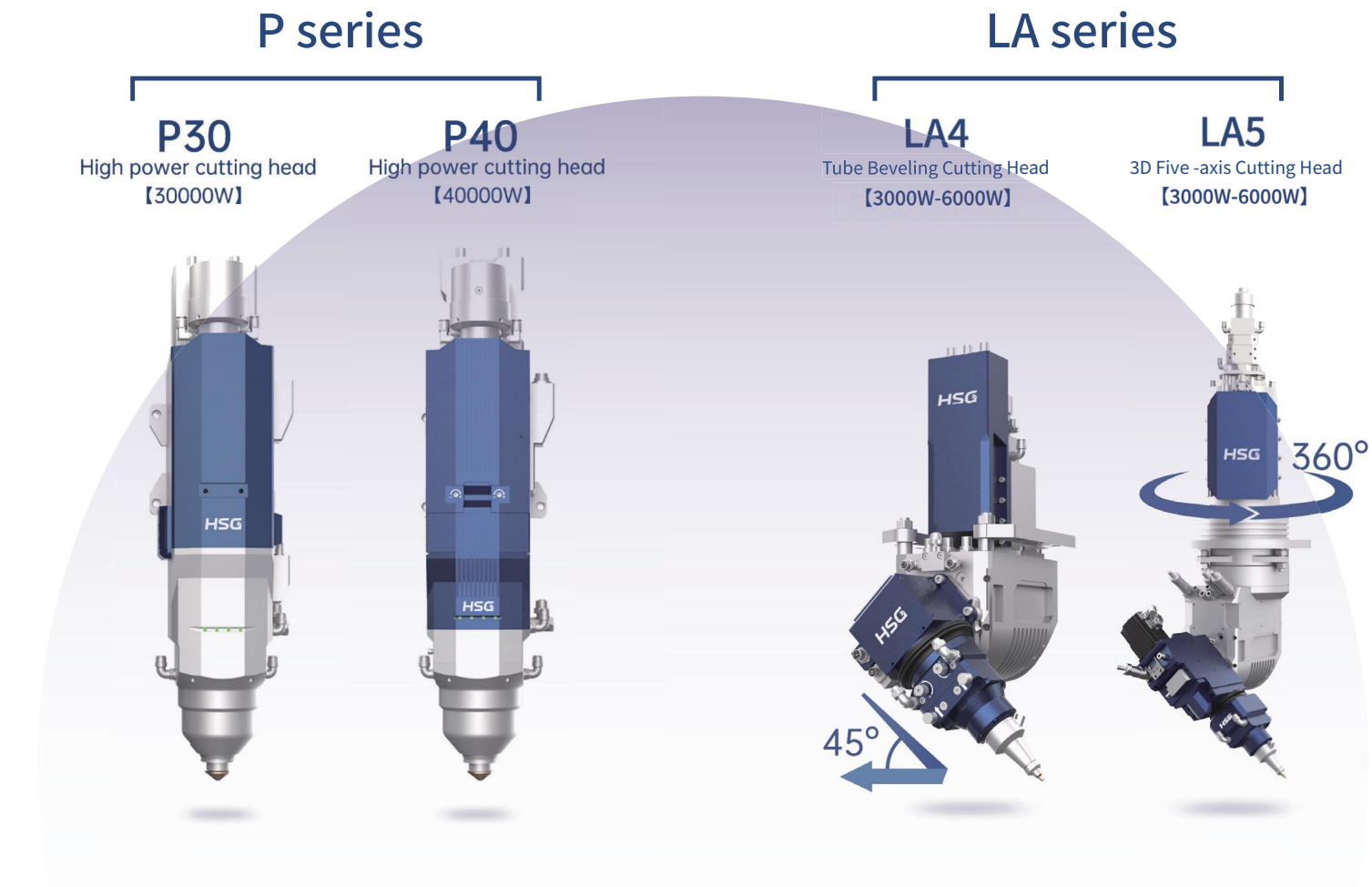


Advantages:

Typesetting&Nesting
Production order control
Increase machining speed
Decrease interpolation cycle

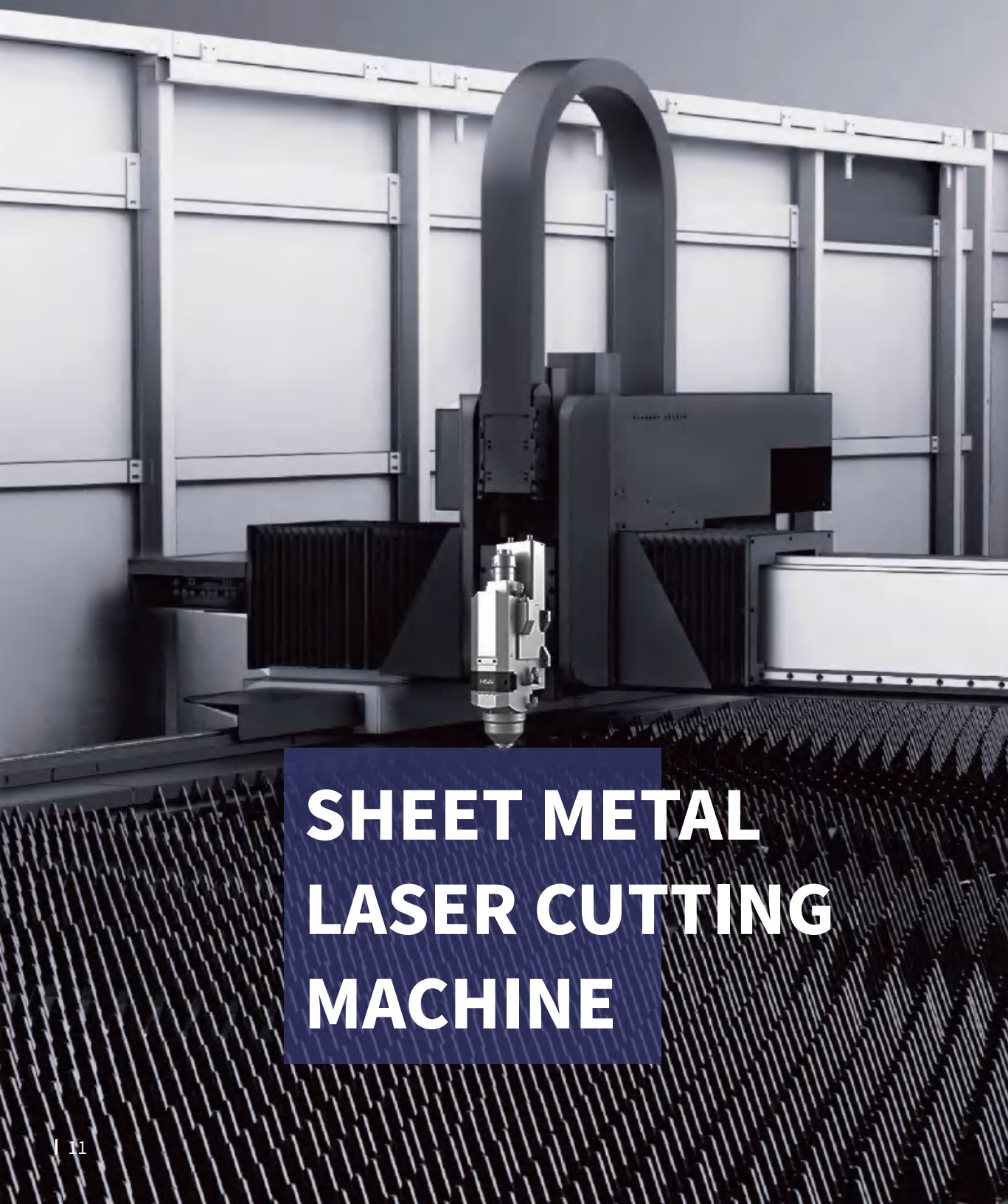


INTELLIGENT CUTTING HEADS



Optical System

HSG develops high-power bus cutting heads, tube beveling cutting heads, and 3D-five axis cutting heads. 40kW high-power cutting heads adopt long optical paths and scientific optical structures with functions of perforation detection, automatic nozzles replacement and unfavourable cutting detection.

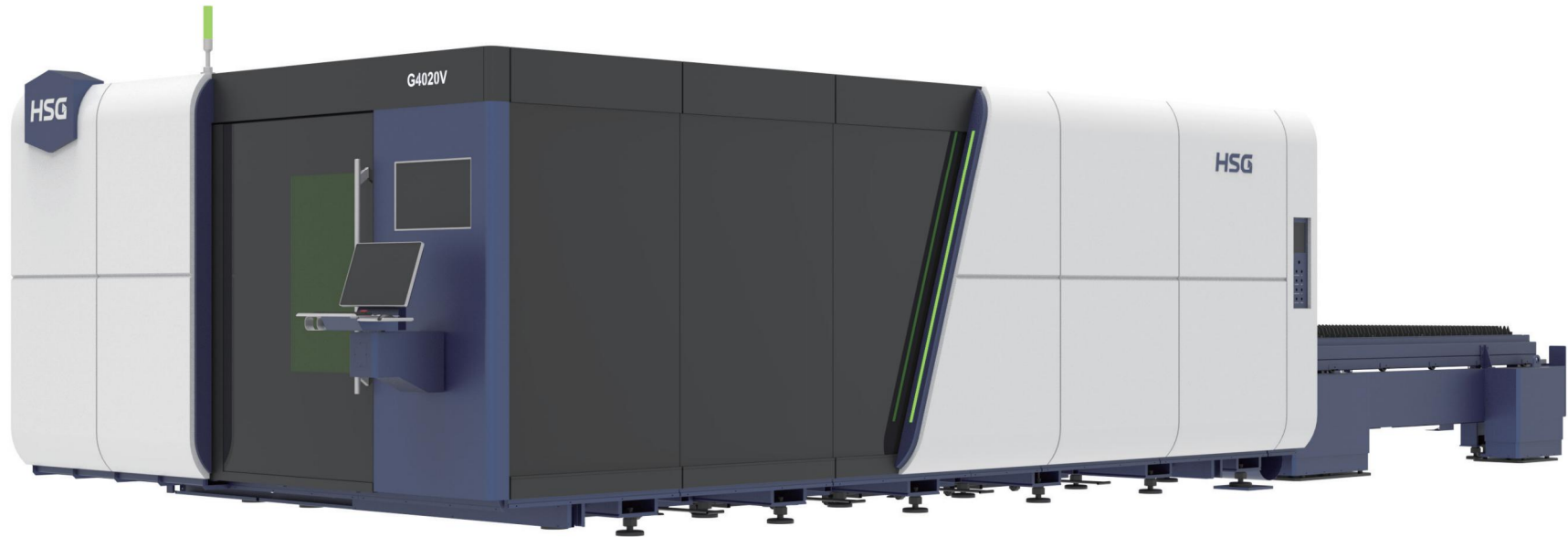


GV

SERIES

PILOT SERIES 6G ALL LINEAR MOTOR FIBER LASER CUTTING MACHINE

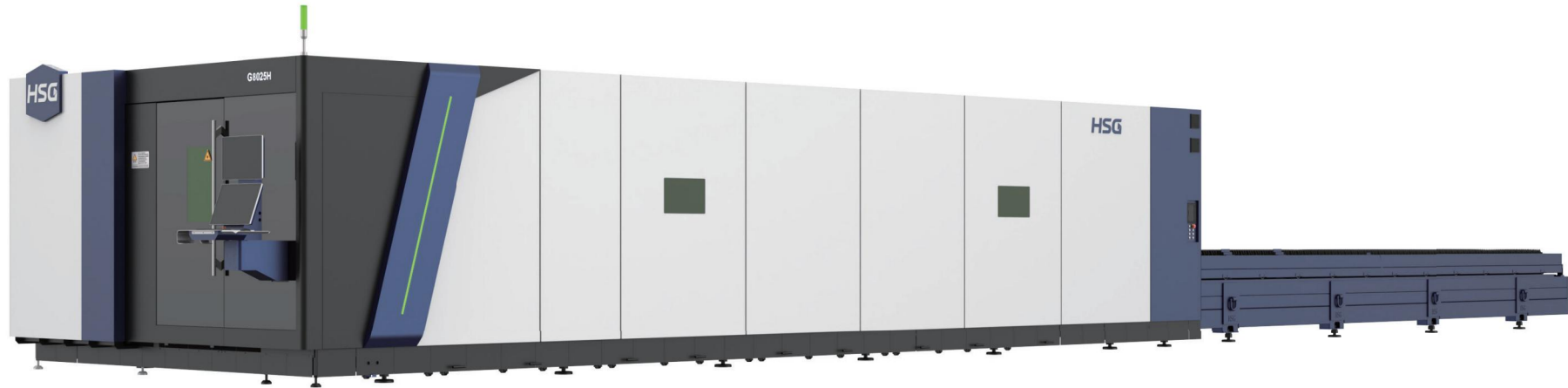
HSG



Technical Parameter	HS-G4020V
Processing Format (L*W)	4064mm*2040mm
Power	6-60kW
X/Y Axis Positioning Accuracy	±0.01mm/m
X/Y Axis Repositioning Accuracy	±0.01mm
Max. Linkage Speed	300m/min
Max. Linkage Acceleration	6G
Max. Loading Weight of Platforms	5000kg



Technical Parameter	HS-G3015H	HS-G4020H	HS-G6025H
Processing Format (L*W)	3100mm*1550mm	4100mm×2050mm	6200mm×2550mm
Power	3-30kW	3-60kW	6-60kW
Max. Linkage Speed	200m/min	200m/min	200m/min
Max. Linkage Acceleration	4G	2.8G	2.8G
Max. Loading Weight of Platforms	885kg (3-6kW)	1600kg (3-6kW)	3000kg (6kW)
	1400kg (12-30kW)	2800kg (12-30kW)	5300kg (12-30kW)

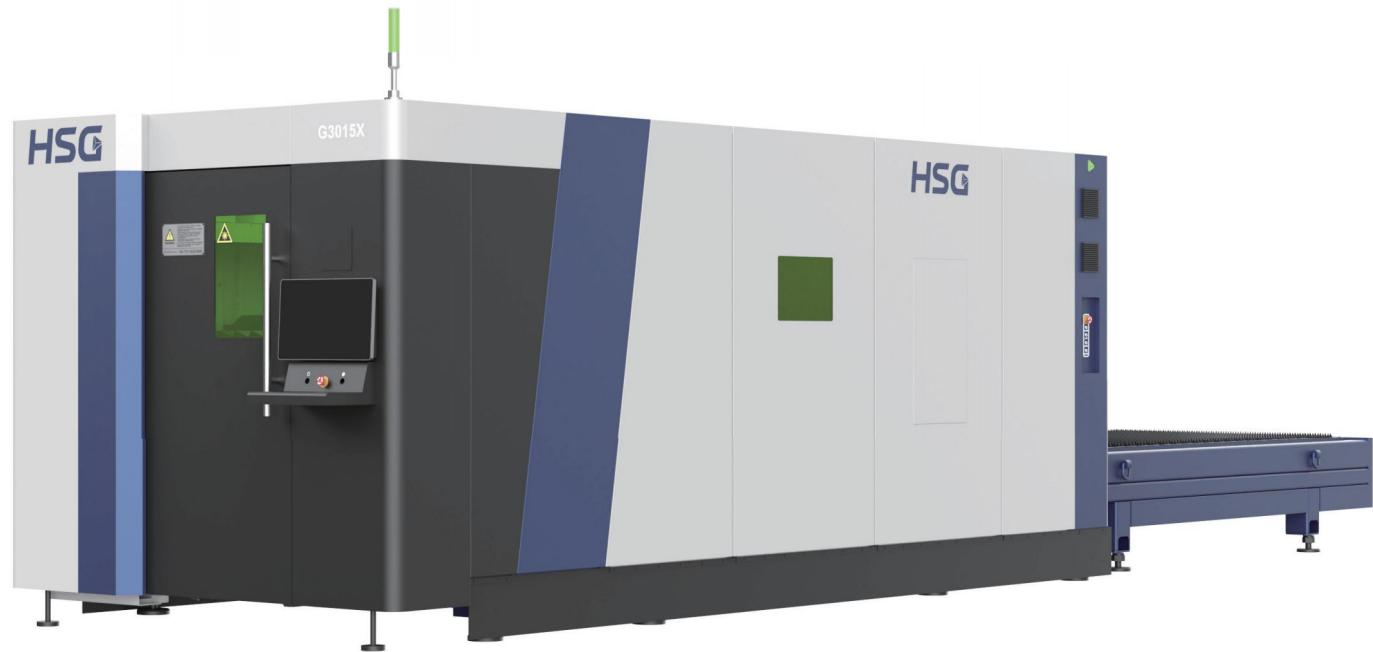


Technical Parameter	G6025H	HS-G8025H	HS-G12025H
Processing Format (L*W)	6096mm*2540mm	8150mm*2540mm	12500mm*2540mm
Power	6-40kW	12-30kW	12-30kW
X/Y Axis Positioning Accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm	±0.03mm	±0.03mm
Max. Linkage Speed	200m/min	200m/min	200m/min
Max. Linkage Acceleration	2.8G	2.8G	2.8G
Max. Loading Weight of Platforms	2950kg (3-6kW) 4800kg (12-20kW)	6300kg (12-20kw) 9400kg (30kw)	9500kg (12-20kw) 14500kg (30kw)

GX

SERIES

HIGH-POWER BUS SHEET LASER CUTTING MACHINE



Technical Parameter	HS-G3015X	HS-G4020X	HS-G6025X	HS-G12025X
Processing Format (L*W)	3048mm*1524mm	4064*2040mm	6096*2540mm	12500*2540mm
Power	3-20kW	3-20kW	3-20kW	12-30kW
X/Y Axis Positioning Accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm
Max. Linkage Speed	140m/min	140m/min	120m/min	120m/min
Max. Linkage Acceleration	1.5G	1.5G	1.5G	1.5G
Max. Loading Weight of Platforms	885kg (3-6kw) 1400kg (12-20kw)	1570kg (3-6kw) 2500kg (12-20kw)	2950kg (3-6kw) 4800kg (12-20kw)	9500kg (12-20kw) 12000kg (30kw)

C

SERIES

ECONOMICAL SINGLE-PLATFORM LASER CUTTING MACHINE

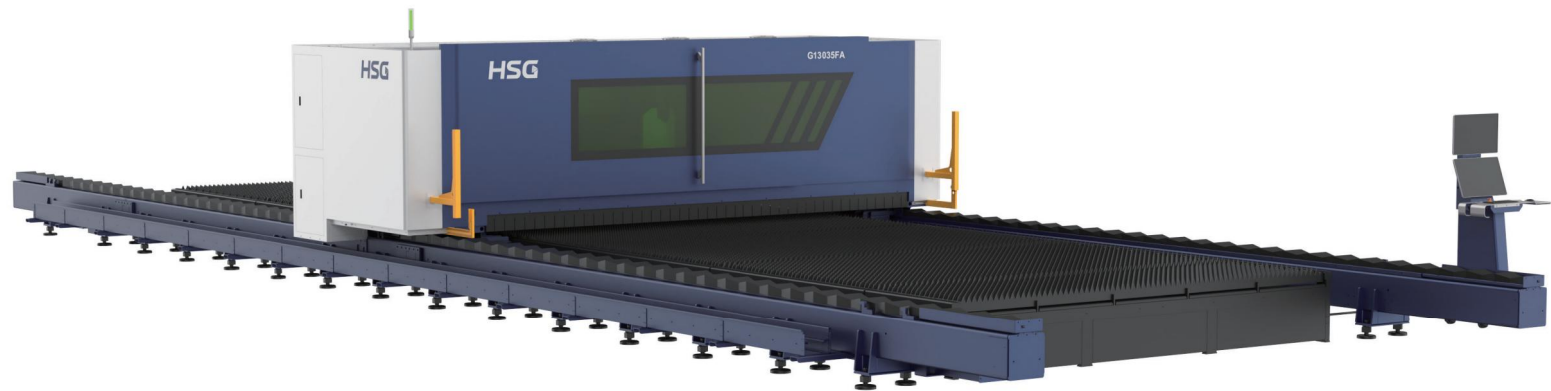


Technical Parameter	HS-C3015	HS-C4020	HS-C6015	HS-C6025	HS-C8025	HS-C12025	HS-C13030
Processing Format (L*W)	3048mm*1524mm	4064mm*2032mm	6096mm*1524mm	6096mm*2540mm	8050mm*2540mm	12500mm*2540mm	13100mm*3100mm
Power	3-6kW	1.5-6kW	3-12kW	3-20kW	3-20kW	12-60kW	12-60kW
X/Y Axis Positioning Accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m
X/Y Axis Repositioning Accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm	±0.03mm	±0.05mm	±0.05mm
Max. Linkage Speed	120m/min	120m/min	120m/min	120m/min	120m/min	120m/min	120m/min
Max. Linkage Acceleration	1.5G	1.5G	1.5G	1.5G	1.5G	1.5G	1.5G
Max. Loading Weight of Platforms	600kg (≤3kw)	1200kg (≤3kw) 1500kg (6kw)	1200kg (≤3kw) 1500kg (6kw)	2600kg (≤6kw) 4150kg (12kw) 5300kg (20kw)	3500kg (3-6kw) 5500kg (12kw) 6240kg (20kw)	9500kg (≤20kw) 12000kg (30kw)	12500kg (≤20kw) 15500kg (30kw)

GFA

SERIES

LARGE-FORMAT LASER CUTTING MACHINE



Technical Parameter	G13035FA
Processing Format (L*W)	13000mm*3500mm
Power	12-60kW
X/Y Axis Positioning Accuracy	±0.05mm/m
X/Y Axis Repositioning Accuracy	±0.05mm
Max. Linkage Speed	140m/min
Max. Linkage Acceleration	1.1G

X

SERIES

COMPACT LASER CUTTING MACHINE



Technical Parameter	HS-X3015
Processing Format (L*W)	3080mmx1524mm (3-6kW) 3030mmx1524mm (12kW)
Power	3-12kW
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. Linkage Speed	120m/min
Max. Linkage Acceleration	1.5G
Max. Loading Weight of Platforms	900kg

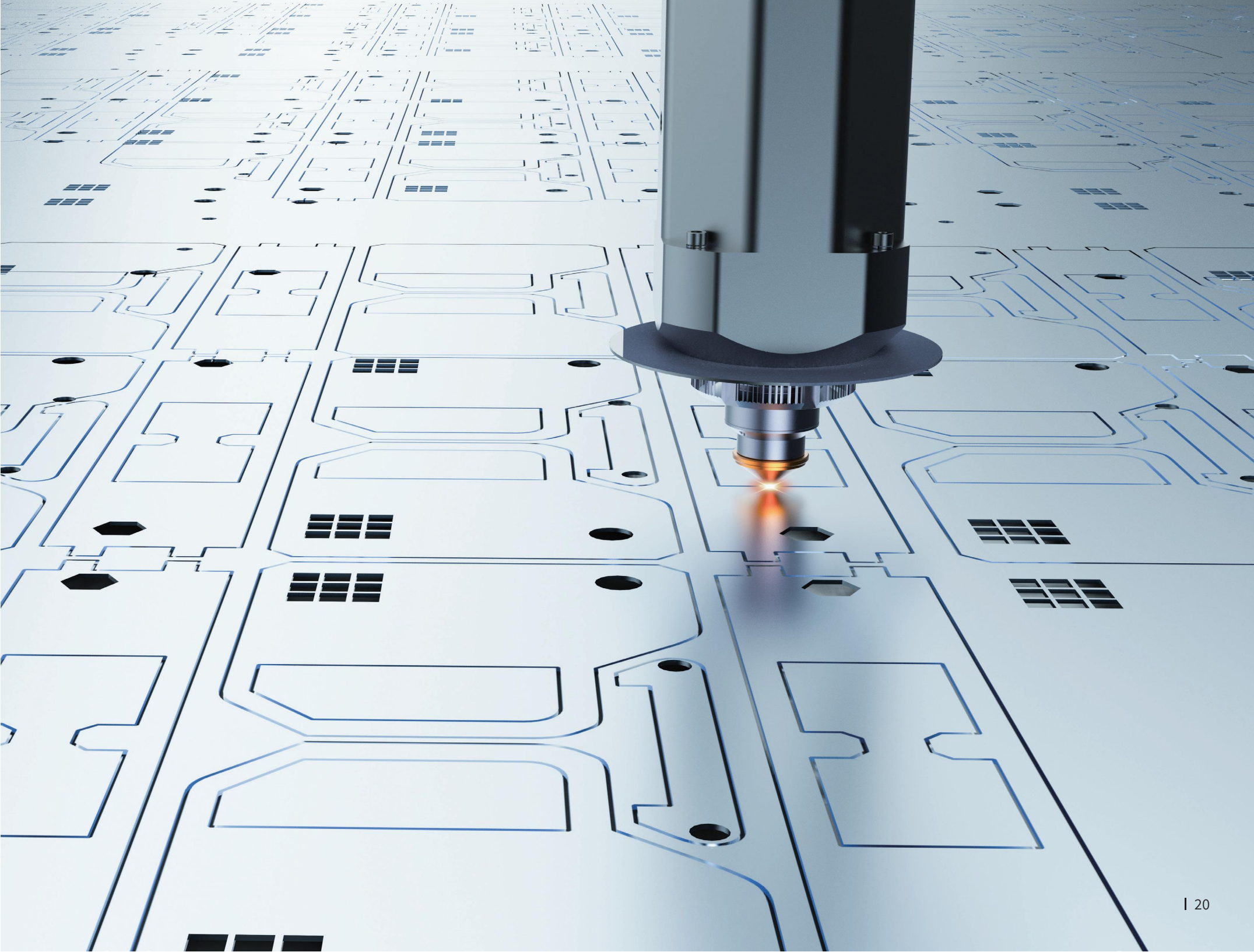
GL

SERIES

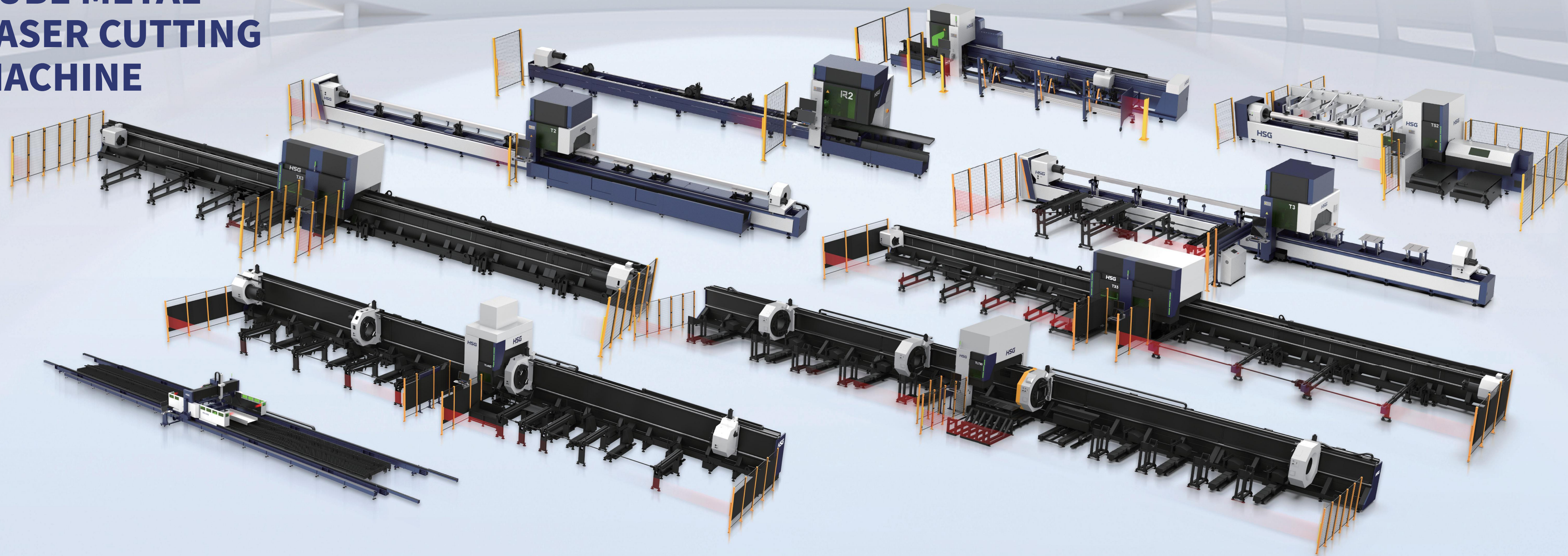
MATERIAL COILING LASER CUTTING MACHINE



Technical Parameter	G3015LA30
Processing Format (L*W)	3000mm*1500mm
Power	3-6kW
X/Y Axis Positioning Accuracy	±0.03mm/m
X/Y Axis Repositioning Accuracy	±0.03mm
Max. Linkage Speed	120m/min
Max. Linkage Acceleration	1.5G



TUBE METAL LASER CUTTING MACHINE

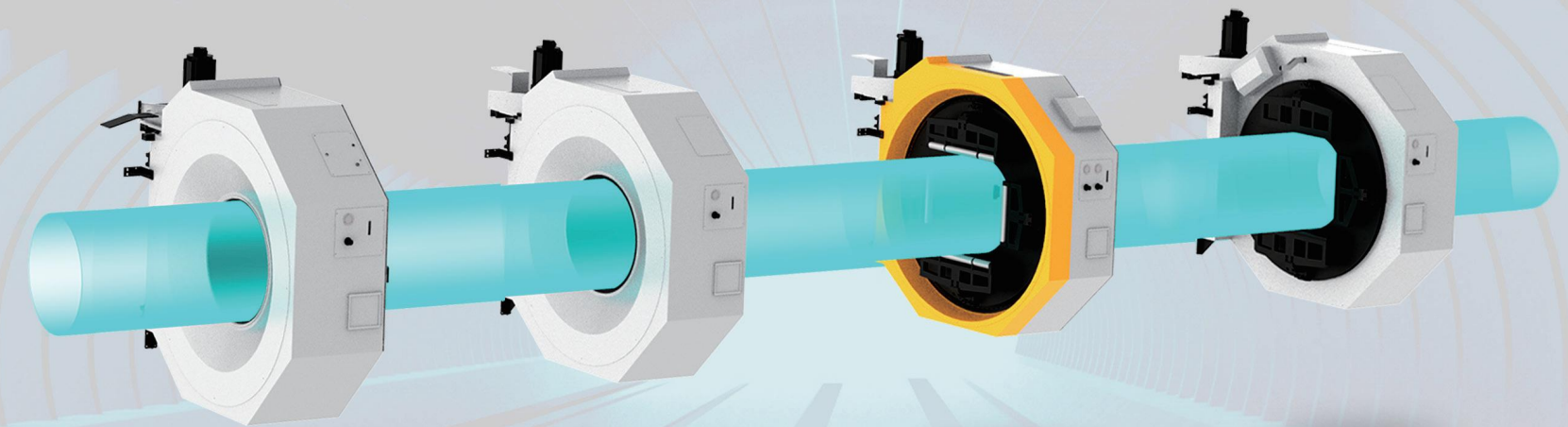




▶ NEWLY-UPGRADED BUS CONTROL SYSTEM FOR TUBE CUTTING **HSG-X BUS CNC SYSTEM**

HSG-X control system is bus-based and developed by HSG Laser. With intelligent and easy-to-operate services, it can offer users effective solutions to address problems of difficult operation, low efficiency and high costs.

HSG

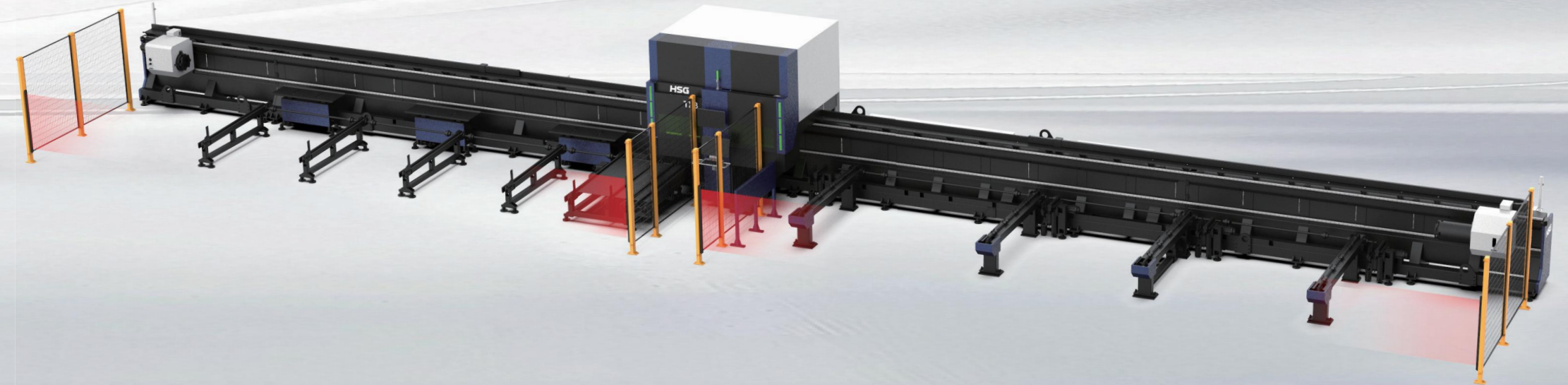
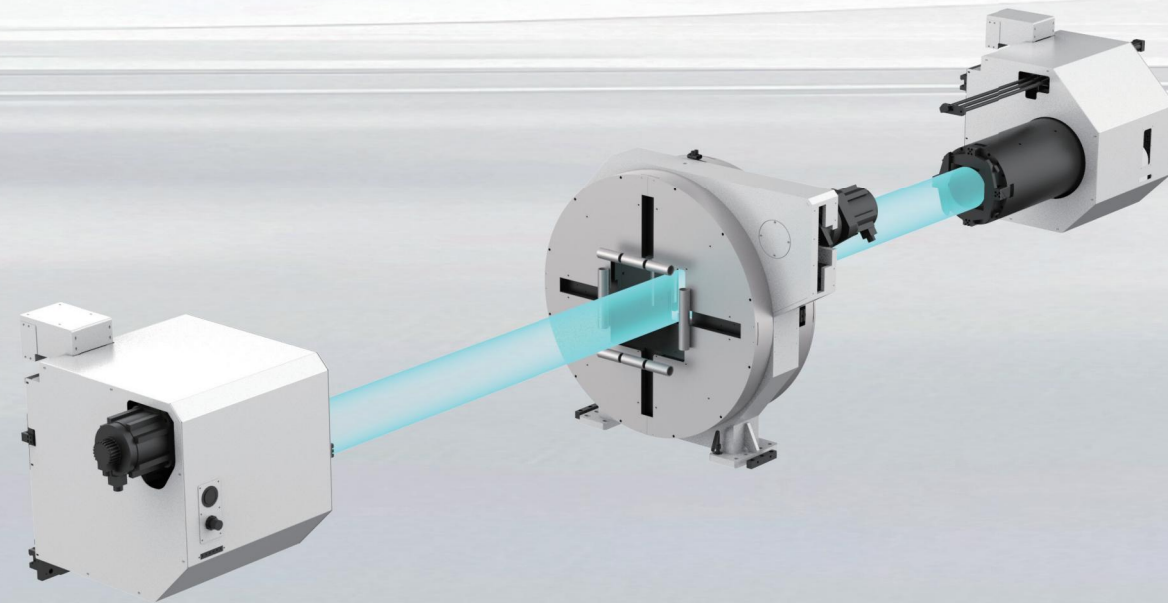


INTELLIGENT DIGITAL FOUR CHUCKS, REAL “0” TAILING

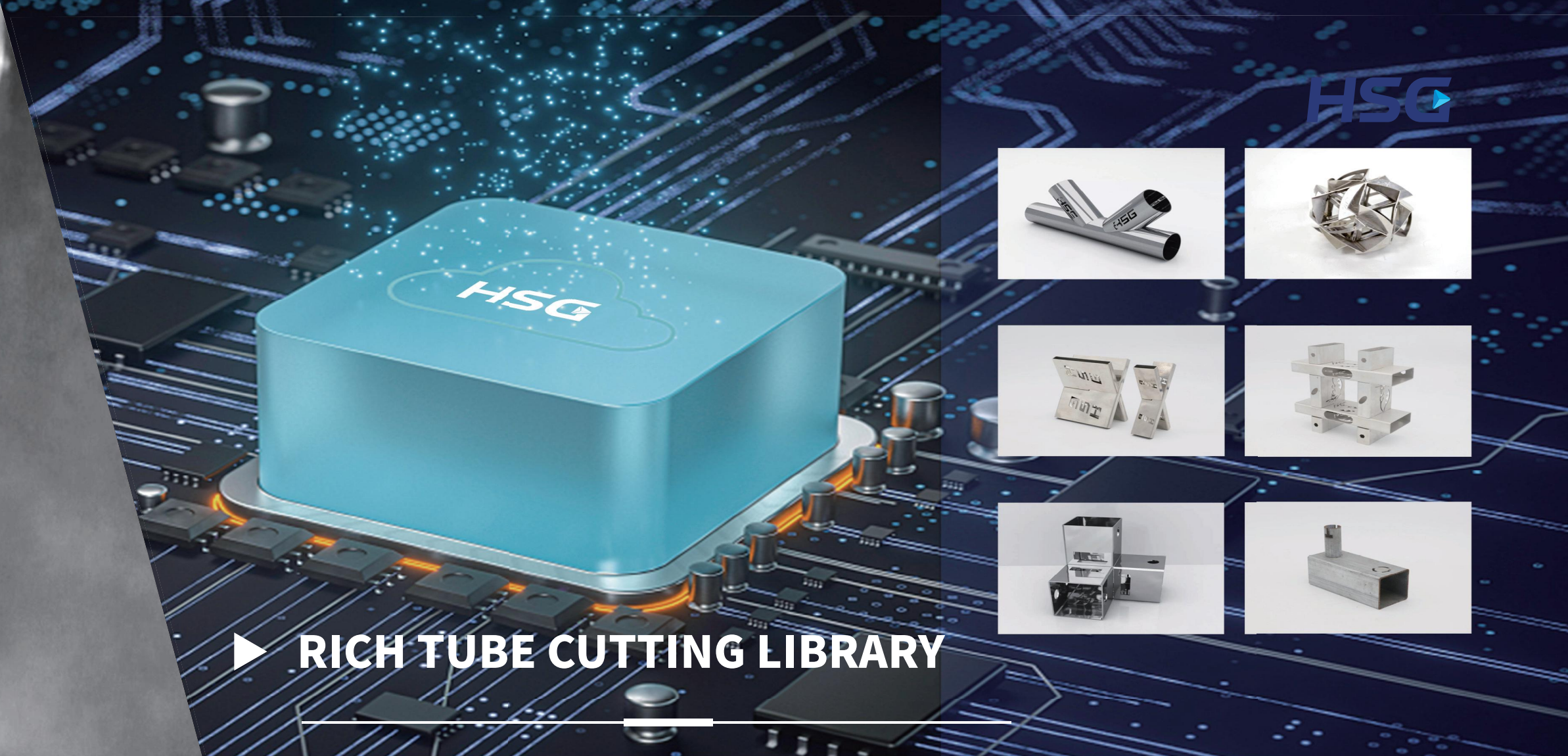
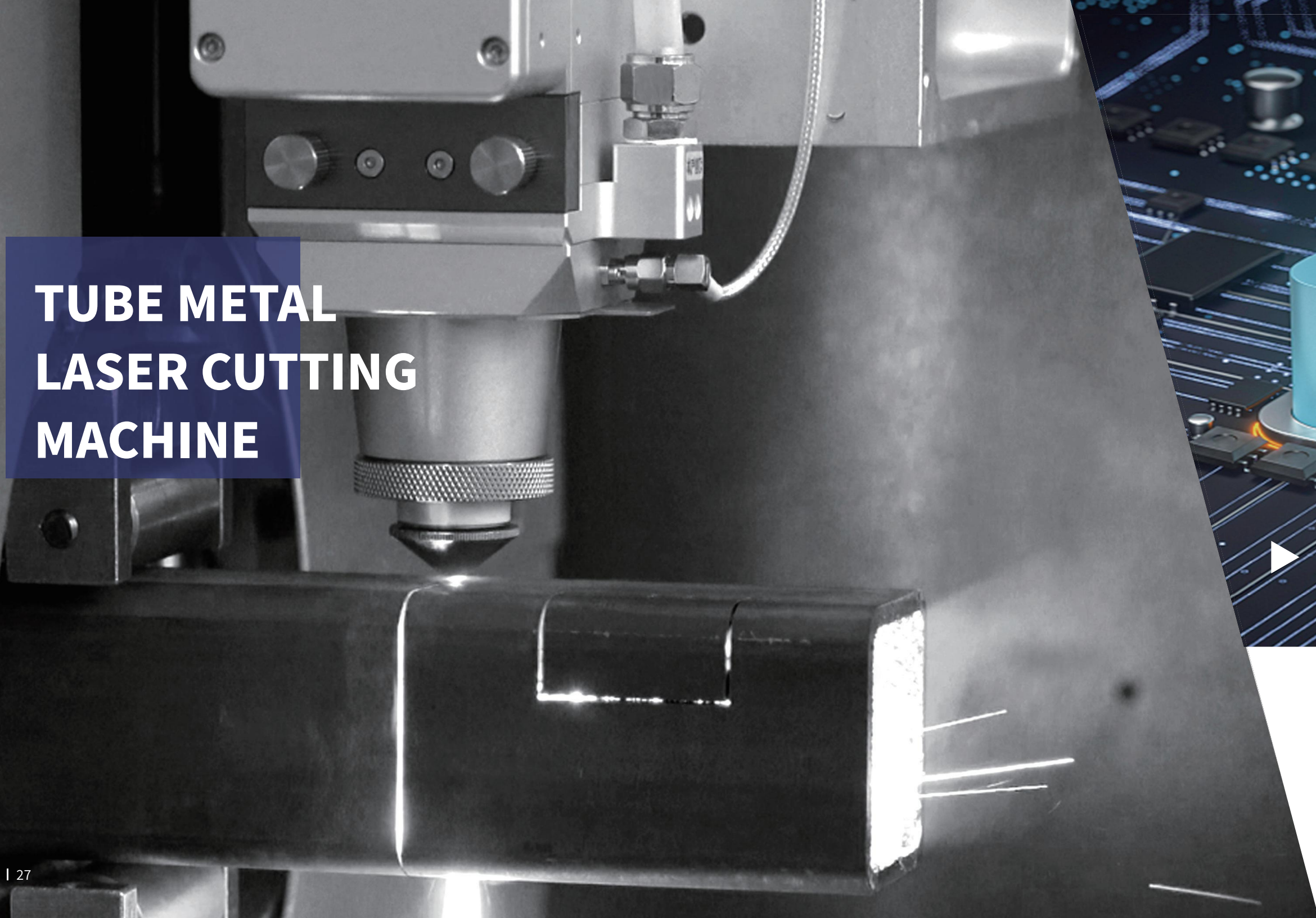
- * Feel accurate clamping status and tube size
- * Adjust the clamping force in self-adaptive way
- * Wireless data transmission
- * Clamp heavy and ultra-heavy tubes stably
- * Cut with real “0” tailing to achieve 100% material utilization

► INNOVATIVE “3+1” TWIN-CHUCK CLAMPING TECHNOLOGY

- * Combine C3 and C4 chuck as one, with synchronous rotation and moving
- * Both clamping and supporting for heavy tubes
- * Autocorrection of tube deformation
- * Cut with real “0” tailing without any restriction on tube length
- * Remedy the common weakness of traditional two, three and four chucks

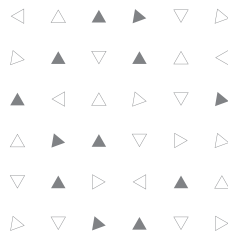


TUBE METAL LASER CUTTING MACHINE



► RICH TUBE CUTTING LIBRARY

- * Nearly 100 kinds of tube joggling patterns, for convenience of subsequent welding
- * Splicing of male and female head of square tube
- * 90° arc splicing
- * Splicing of round tube tee
- * Splicing of cut-through holes
- * 45° splicing of hexagon
- * Splicing of angle iron and channel steel



TLS

SERIES

FLAGSHIP ‘4+1’ FULL-TRACK HEAVY DUTY TUBE BEVELING CUTTING MACHINE



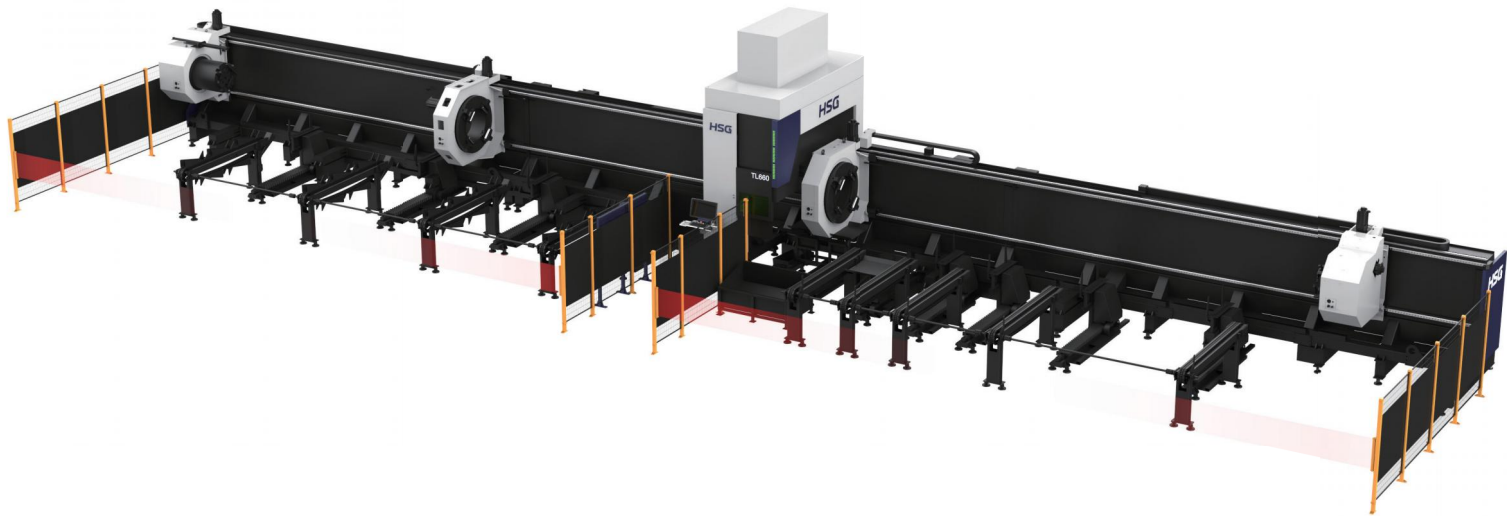
Technical Parameter	HS-TL730S
Power	6-20 kW
Positioning Accuracy	±0.1mm/m
Repositioning Accuracy	±0.1mm
Max. Linkage Speed	45m/min
Max. Rotating Speed of Chucks	30r/min
Max. Linkage Acceleration	0.2G
Max. Cutting Capacity	φ120-715mm □120mm-500mm Diagonal≤715mm and side length120-500mm
Max. Loading Weight of Single Tube	4000kg
*Min. Length of Tailing	0mm
The range of pipe material	3000-16000mm

*Only when the nesting material is reasonable can it be achieved

TL

SERIES

FOUR-CHUCK HEAVY-DUTY TUBE LASER CUTTING MACHINE



Technical Parameter	HS-TL660
Power	6-20kW
Positioning Accuracy	±0.1mm/m
Repositioning Accuracy	±0.1mm
Max. Linkage Speed	50m/min
Max. Rotating Speed of Chucks	30r/min
Max. Linkage Acceleration	0.2G
Max. Cutting Capacity	φ80-660mm □80mm-450mm Diagonal≤660mm and side length≥80mm
Max. Loading Weight of Single Tube	3000kg
*Min. Length of Tailing	0mm
The range of pipe material	3000-12000mm

*Only when the nesting material is reasonable can it be achieved

TS2

SERIES

HIGH-PERFORMANCE TUBE FIBER LASER CUTTING MACHINE

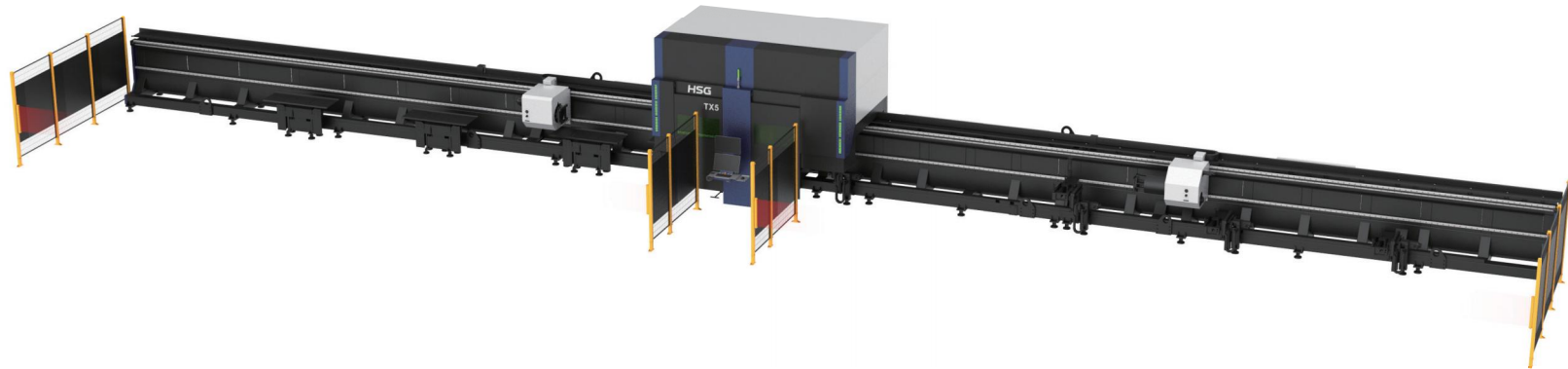


Model	TS2	TS2-90
Power	3-6kW	3-6kW
Cutting Capacity of Round Tube	φ12-273mm / φ 0.47" - 10.75"	φ12-273mm / φ 0.47" - 10.75"
Cutting Capacity of Square Tube	12×12-220×220mm / 0.47" × 0.47"- 8.66"×8.66"	12×12-220×220mm / 0.47" × 0.47"- 8.66"×8.66"
The Range of Tube Length	1m-6.5m / 3.28'-21.33'	1m-9.2m / 3.28'-30.18'
Unloading Length	3m or 4.5m / 9.84' or 14.76'	4.5m or 6.5m / 14.76' or 21.33'
Acceleration	1.4G	1.4G
Max. Loading Capacity(Single)	300kg / 661lbs	300kg / 661lbs

TX5R

SERIES

HEAVY-DUTY TUBE LASER CUTTING MACHINE

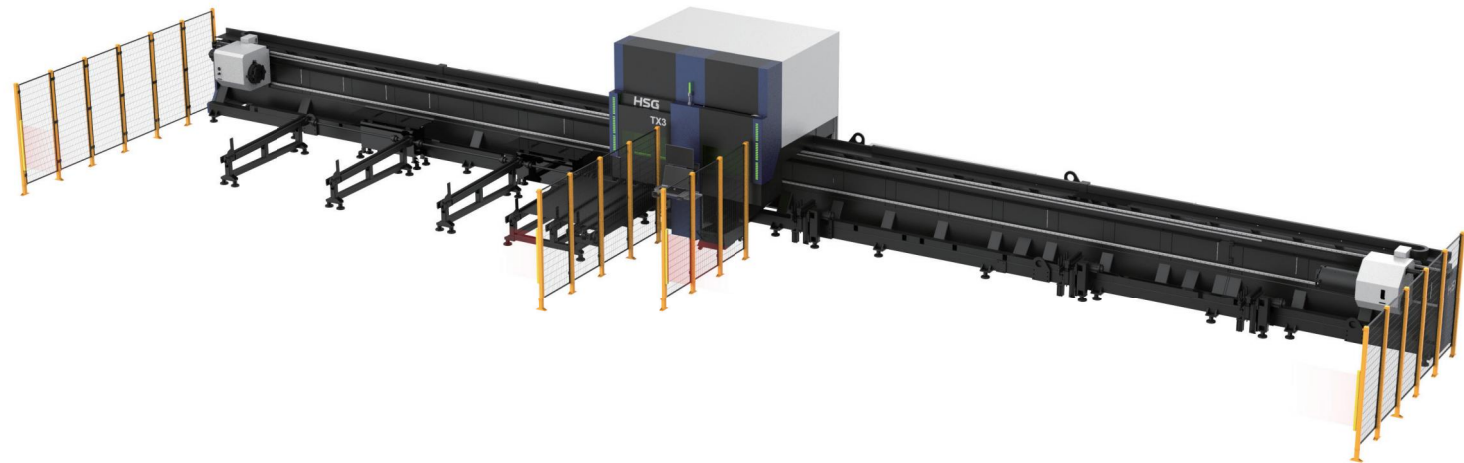


Technical Parameter	HS-TX5R
Power	6-20kW
Positioning Accuracy	±0.05mm/m
Repositioning Accuracy	±0.05mm
Max. Linkage Speed	60m/min
Max. Rotating Speed of Chucks	40r/min
Max. Linkage Acceleration	0.3G
Max. Cutting Capacity	φ50-510mm □50*50 - □500*500mm
Max. Loading Weight of Single Tube	2000kg
*Min. Length of Tailing	0mm
The range of pipe material	2000-12500mm

TX3R

SERIES

HEAVY-DUTY TUBE LASER CUTTING MACHINE



Technical Parameter	HS-TX3R
Power	6-20kW
Positioning Accuracy	±0.05mm/m
Repositioning Accuracy	±0.03mm
Max. Linkage Speed	80m/min
Max. Rotating Speed of Chucks	60r/min
Max. Linkage Acceleration	0.8G
Max. Cutting Capacity	φ40-360mm □40*40-360*360mm 40mm≤side length≤360mm
Max. Loading Weight of Single Tube	1600kg
*Min. Length of Tailing	0mm
The range of pipe material	2000-12000mm

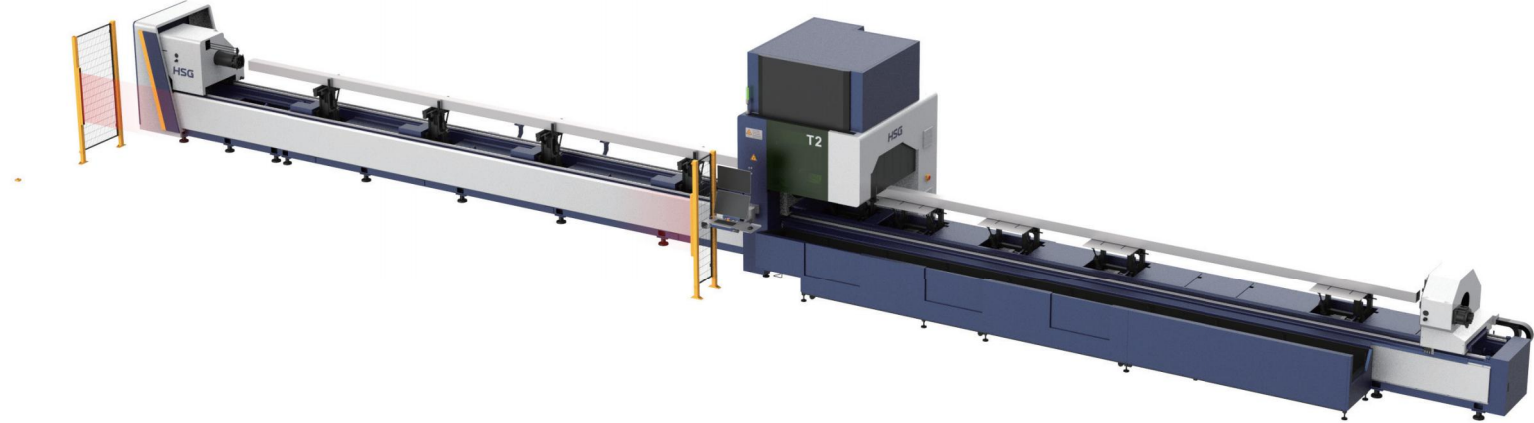
*Only when the nesting material is reasonable can it be achieved

HSG

T2

SERIES

THREE-CHUCK TUBE FIBER LASER CUTTING MACHINE



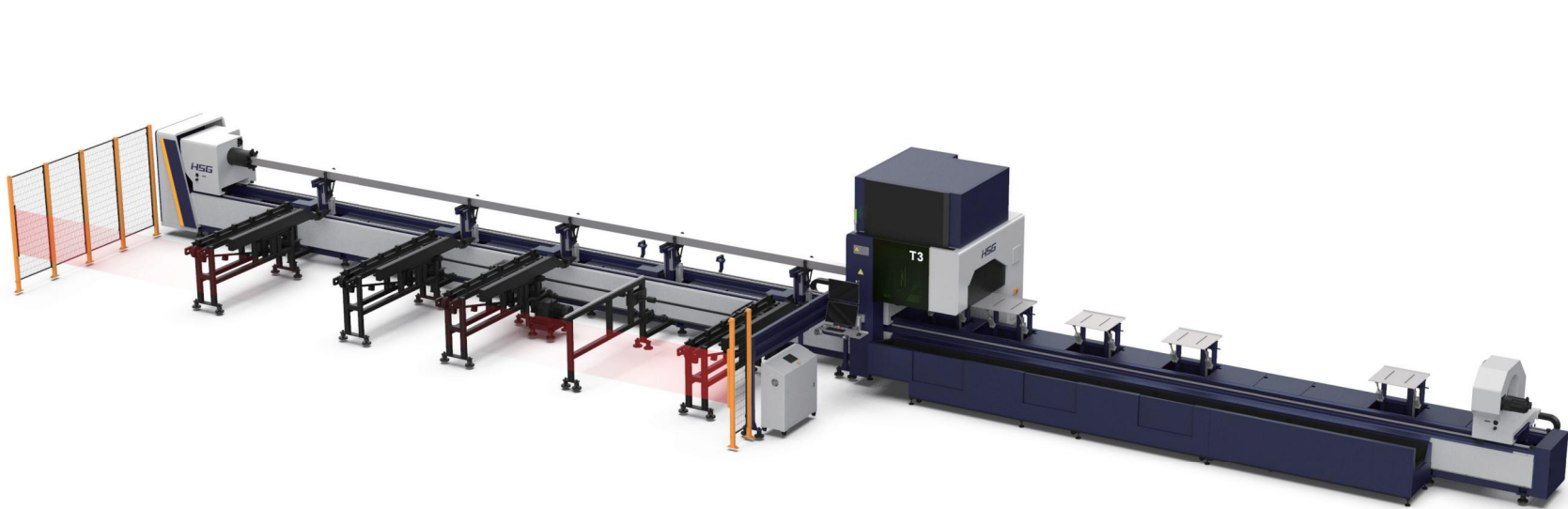
Technical Parameter	HS-T2
Power	3-6kW
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. Linkage Speed	100m/min
Max. Rotating Speed of Chucks	100r/min
Max. Linkage Acceleration	1G
Max. Cutting Capacity	φ20-240mm □20mm-240mm 20≤side length≤240mm
Max. Loading Weight of Single Tube	300kg
*Min. Length of Tailing	0mm
The range of pipe material	1000-7000mm

*Only when the nesting material is reasonable can it be achieved

T3

SERIES

THREE-CHUCK HEAVY-DUTY TUBE LASER CUTTING MACHINE



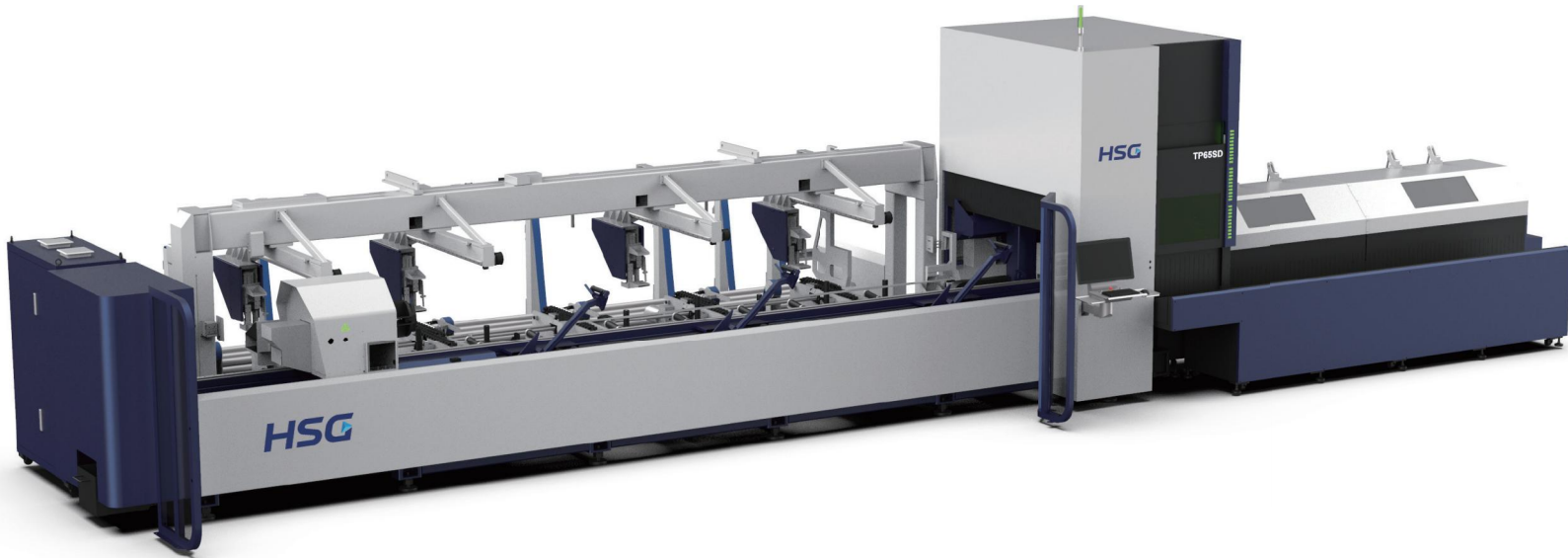
Technical Parameter	HS-T3
Power	3-6kW
Positioning Accuracy	±0.05mm/m
Repositioning Accuracy	±0.03mm
Max. Linkage Speed	80m/min
Max. Rotating Speed of Chucks	80r/min
Max. Linkage Acceleration	0.8G
Max. Cutting Capacity	φ40-350mm □40×40-350×350mm Diagonal≤495mm
Max. Loading Weight of Single Tube	600kg
*Min. Length of Tailing	0mm
The range of pipe material	1000-9000mm

*Only when the nesting material is reasonable can it be achieved

TPSD

SERIES

FLAGSHIP SERIES COMPOUND TUBE LASER CUTTING MACHINE WITH DRILLING AND TAPPING



Technical Parameter	HS-TP65SD
Power	3-6 kW
Positioning Accuracy	±0.03mm/m
Repositioning Accuracy	±0.03mm
Max. Linkage Speed	120m/min
Max. Rotating Speed of Chucks	120r/min
Max. Linkage Acceleration	1.2G
Max. Cutting Capacity	φ12-254mm (If change the claw can achieve max. 273mm) □20*20-200*200mm Side length≤200mm
Max. Loading Weight of Single Tube	200kg
Min. Length of Tailing	Tailings in Double-chuck Clamping Model≥220mm
The range of pipe material	1000-6500mm

R2

SERIES

DOUBLE-CHUCK UNIVERSAL TUBE LASER CUTTING MACHINE



Technical Parameter	HS-R2
Power	3-6kW
Positioning Accuracy	±0.05mm/m
Repositioning Accuracy	±0.03mm
Max. Linkage Speed	120m/min
Max. Rotating Speed of Chucks	120r/min
Max. Linkage Acceleration	1.2G
Max. Cutting Capacity	φ12-240mm □12*12mm-□240*240mm
Max. Loading Weight of Single Tube	300kg
Min. Length of Tailing	Tailings in Single Chuck Clamping Model≥80mm, Tailings in Double-chuck Clamping Model≥250mm
The range of pipe material	1000-6500mm

*Suggested Tube Length in Single Chuck Clamping≤500mm, Weight of Tube≤5kg

R1

SERIES

TUBE LASER CUTTING MACHINE



Technical Parameter	HS-R1	HS-R1R
Power	1.5-6kW	1.5-6kW
Positioning Accuracy	±0.05mm/m	±0.05mm/m
Repositioning Accuracy	±0.03mm	±0.03mm
Max. Linkage Speed	150m/min	150m/min
Max. Linkage Acceleration	1.5G	1.5G
Max. Acceleration	Round tubeφ8 - φ120mm Square tube□8*8mm - □120*120mm Side length: 8-120mm	Round tubeφ8 - φ120mm Square tube□8*8mm - □120*120mm Side length: 8-120mm
Max. Loading Weight of Single Tube	80kg	80kg
Min. Length of Tailing	Tailings in Single Chuck Clamping Model≥50mm, Tailings in Double-chuck Clamping Model≥230mm	Tailings in Single Chuck Clamping Model≥50mm, Tailings in Double-chuck Clamping Model≥230mm
The range of pipe material	1000-6500mm	1000-6500mm

*Under reasonable nesting conditions, the tailing length is the limit case, which is only achieved in some tubes and manual mode, Suggested Tube Length in Single Chuck Clamping≤200mm, Weight of Tube≤2kg.

R3R

SERIES

DOUBLE-CHUCK TUBE LASER CUTTING MACHINE



Technical Parameter	HS-R3R	HS-R3R-120
Power	3-20kW	3-20kW
Max. Linkage Speed	80m/min	80m/min
Max. Rotating Speed of Chucks	80r/min	60r/min
Max. Linkage Acceleration	0.8G	0.8G
Max. Cutting Capacity	φ40-350mm □40×40-350×350mm Diagonal≤495mm	φ40-360mm □40*40-360*360mm
Max. Loading Weight of Single Tube	600kg	1200kg
Min. Length of Tailing	Tailings in Single-chuck Clamping Model≥85mm Tailings in Double-chuck Clamping Model≥300mm	Tailings in Single-chuck Clamping Model≥85mm Tailings in Double-chuck Clamping Model≥300mm
The Range of Tube Length	1000-6500mm	1000-12000mm

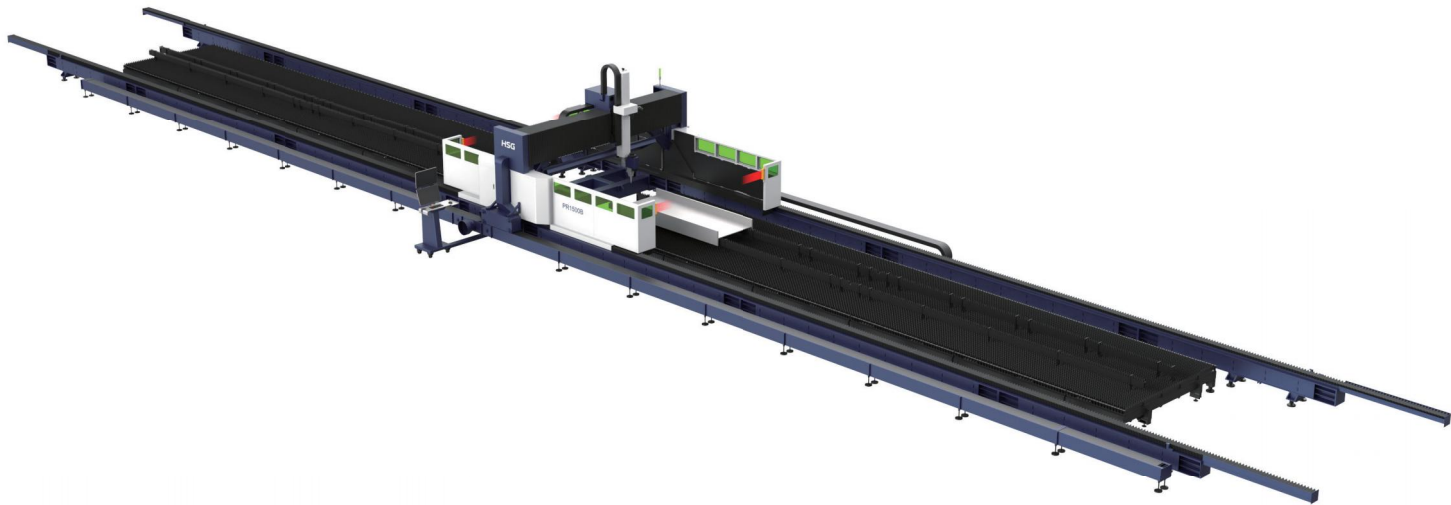
*Suggested Tube Length in Single Chuck Clamping≤500mm, Weight of Tube≤5kg



PRB

SERIES

SPECIFIC SHEET FIBER LASER CUTTING MACHINE FOR THE STEEL STRUCTURE INDUSTRY



Technical Parameter	HS-PR1500B
Power	12-20 kW
Processing format (L*W)	Sheet Metal: 28000*3000mm Beveling Processing: 27000*2500mm Section Steel: 12100*1500*500mm
X/Y-axis positioning accuracy	±0.1mm/m
X/Y-axis repositioning accuracy	±0.1mm
Max. Linkage Speed	80m/min
Max. Linkage Acceleration	0.5G

*Only when the nesting material is reasonable can it be achieved



3D FIVE-AXIS LASER CUTTING MACHINE

Cell SERIES 3D FIVE-AXIS LASER CUTTING MACHINE



Technical Parameter	HS-Cell 3015G
Power	3-6 kW
X/Y/Z-axis positioning accuracy	±0.05mm
X/Y/Z-axis repositioning accuracy	±0.03mm
C Axis Acceleration	400kg
B Axis Acceleration	100m/min
Max. Acceleration of X/Y/Z	1.0G

*Only when the nesting material is reasonable can it be achieved



SHEET & TUBE LASER CUTTING MACHINE





ALPHA A CNC SYSTEM

- * Easy to operate even by green hands
- * Match with 2000+ process data on its graphical programming interface
- * Compatible with multiple graphic files, incl. DXF, DWG, IGS
- * Improve stock layout and material utilization by 20% and 9.5% by its built-in nesting software, with no limit of quantity of spare parts

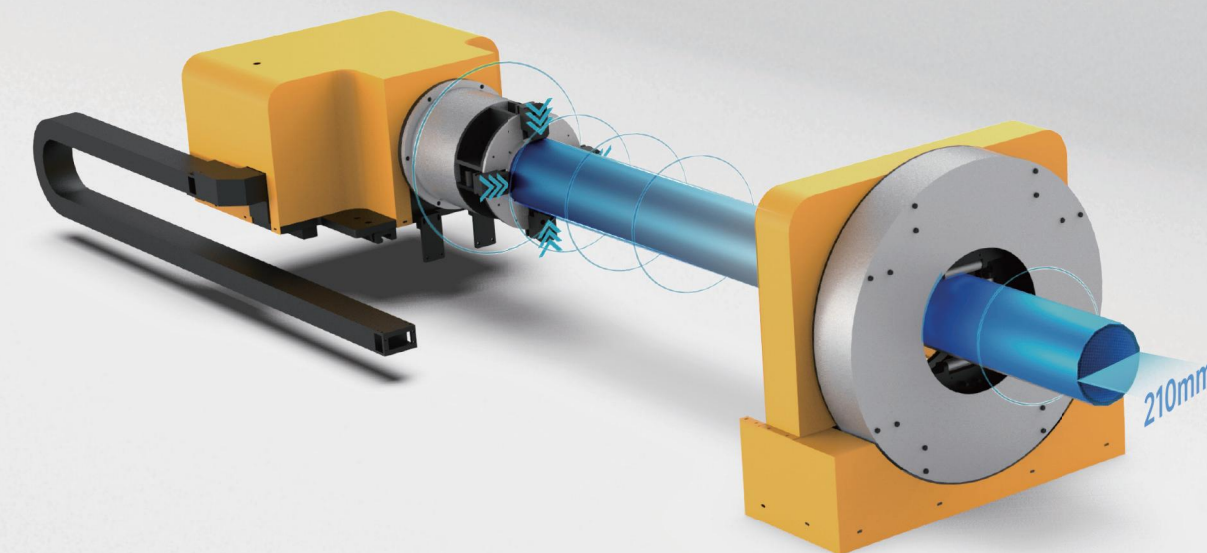
► 240MM LARGE-CALIBER HEAVY-DUTY PNEUMATIC CHUCK

High efficiency: Wireless control, one-button clamping, automatic centering, 3 times faster than electric chucks;

High precision: Clamp heavy tube tightly without slip and make sure of cutting precision because of pneumatic claws with large and constant clamping force;

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: Including conventional tubes and profiles like channel steel and angle steel. Round tube $\Phi 20$ -210mm, square tube $\square 20$ *20-150*150mm, and maximum loading weight of single tube: 200kg.



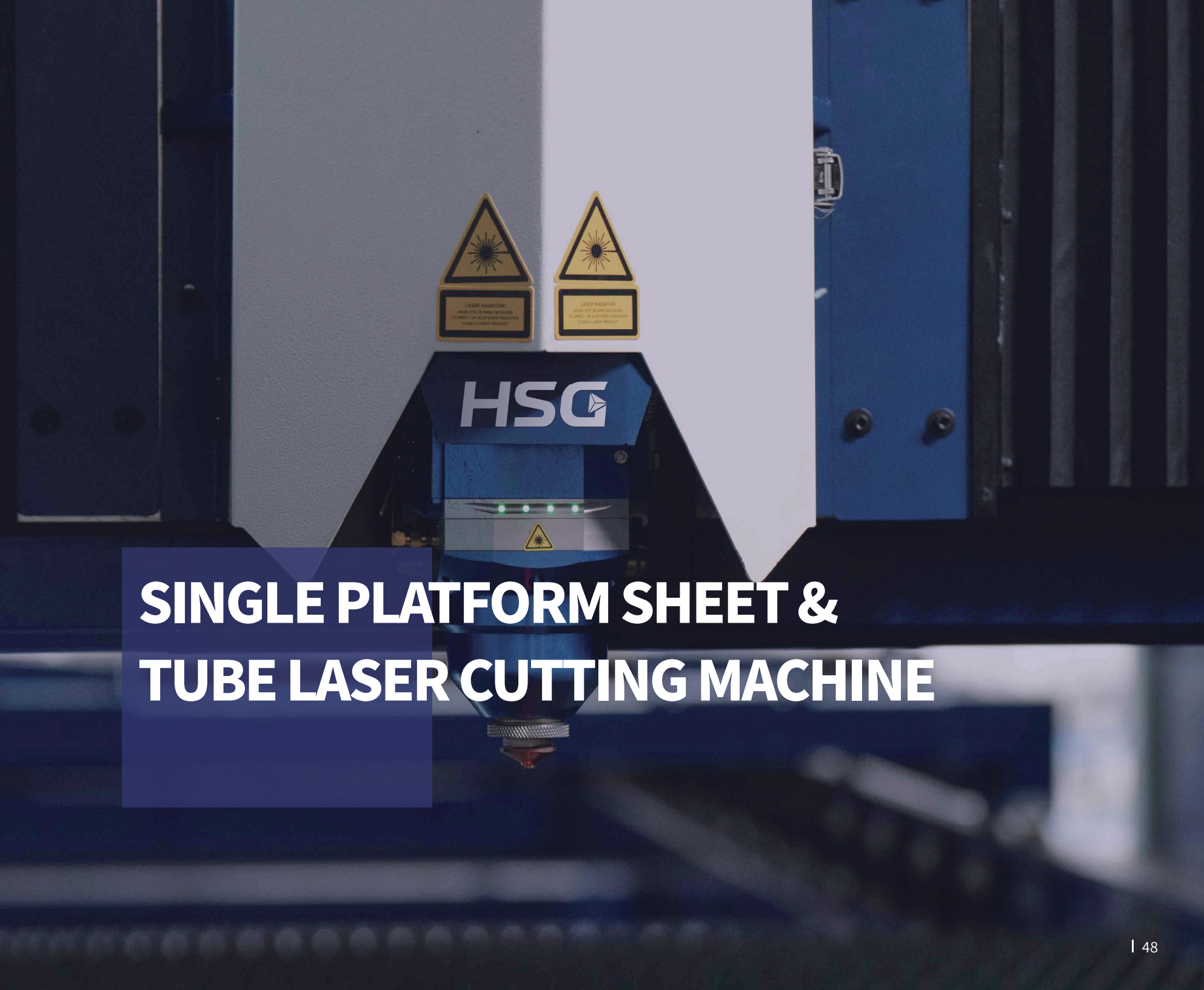
CB

SERIES

SINGLE PLATFORM SHEET & TUBE LASER CUTTING MACHINE



Technical Parameter	HS-C3015B
Processing Format (L*W)	3048mm*1524mm
Power	3-6kW
X/y Axis Positioning Accuracy	±0.05mm/m
X/y Axis Repositioning Accuracy	±0.03mm
Max. Linkage Speed	100m/min
Max. Linkage Acceleration	1.5G
Max. Cutting Capacity of Sheet	Round Tube φ20-240mm
Max. Cutting Capacity of Tube	Square Tube □20×20-□240×240mm Rectangle Tube 20mm≤Diagonal≤240mm
Max. Loading Weight of Sheet Platforms	≈800kg
Max. Loading Weight of Tube Platform	≈300kg
The range of pipe material	1000-6500mm



SINGLE PLATFORM SHEET &
TUBE LASER CUTTING MACHINE

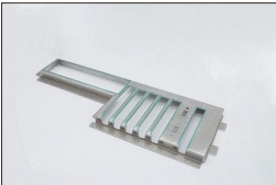
BENDING MACHINE AND HANDHELD LASER WELDING MACHINE



►

CONTROL SYSTEM NETHERLAND DA-53T

Automatically calculate bending angle, main pressure and deflection compensation.
Correct the bending angle and back gauges.
Make mass bending possible with high-efficient programming.
Enable wireless interconnection via desktop or notebook computer for software upgrades and data backup anytime.



►

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%+.

Model	HC6015	HC6020	HC8025	HC1103	HC1104	HC1303	HC1304	HC1703	HC1704	HC2203	HC2204	HC2503	HC2504	HC3203	HC3204	HC3206	HC4004	HC4006
Bending Force	60 Ton	60 Ton	80 Ton	110 Ton	110 Ton	130 Ton	130 Ton	170 Ton	170 Ton	220 Ton	220 Ton	250 Ton	250 Ton	320 Ton	320 Ton	320 Ton	400 Ton	400 Ton
Working Table Length	1500mm	2000mm	2500mm	3200mm	4100mm	3200mm	4100mm	3200mm	4100mm	3200mm	4100mm	3200mm	4100mm	3200mm	4100mm	6000mm	4100mm	6000mm
Y-axis Power	8.5kW	8.5kW	8.5kW	8.5kW	8.5kW	8.5kW	8.5kW	18kW	18kW	22kW	22kW	25kW	25kW	32kW	32kW	32kW	35kW	35kW
Slider Stroke	160mm	160mm	200mm	200mm	200mm	200mm	200mm	200mm	200mm	200mm	200mm	250mm	250mm	250mm	250mm	250mm	300mm	300mm
Maximum Opening Height	470mm	470mm	470mm	470mm	470mm	470mm	470mm	470mm	470mm	470mm	470mm	520mm	520mm	520mm	520mm	520mm	570mm	570mm
Throat Depth	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm	400mm
Whole Equipment Weight	3.5T	4T	7T	8T	9T	9.5T	10.5T	10.5T	12T	14T	15T	15T	16T	21 T	24 T	27T	30 T	36 T

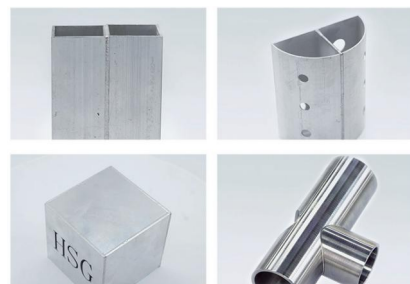
Swing Welding Technology

*WOBBLE welding heads have the swing welding model which the facula can be adjusted with strong welding fault tolerance. The technology can compensates for the disadvantage of the small laser welding spot and extends the tolerance range and weld width of the machined part to obtain a better weld formation.



Work-piece welding in one operation

*Simple to operate and easy to train. The work-piece can be welded in one operation.
*The laser head is light, flexible and can weld any part of the work-piece, making welding work more efficient, safe, energy efficient and environmentally friendly.

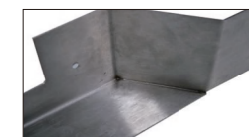
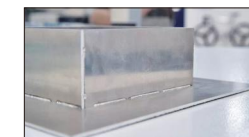


Dual Temperature and Control chiller

* The machine is self-equipped with dual temperature and control chiller for constant temperature control heat dissipation and ensuring the core optical components heat dissipation with fiber laser, which are stable and efficient.



FMW

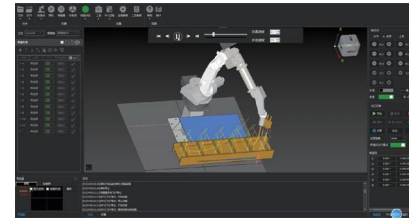


FMW-F

Technical Parameters	FMW	FMW-F
Power	1500-2000W / 3000W	700W/1200W
Welding Mode	Continuous Welding / Pulse Welding	Continuous Welding
Welding Thickness	Stainless Steel/Carbon Steel: 0.5-7mm Aluminum Galvanized sheet: 0.5-5mm	Stainless Steel/Carbon Steel: 0.2-3mm Aluminum Galvanized sheet: 0.2-2mm
Overall Dimensions	624*806*970m 724*896*1052mm	240*470*370mm (700W) 585*377*540mm(1200W)

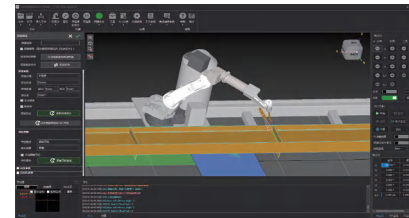
Offline Simulation

Based on the workpiece and workstation scene model, the welding gun posture and positioning action are automatically generated, and the automatic obstacle avoidance algorithm is used to quickly generate the welding path and automatically match the welding parameters without manual intervention.



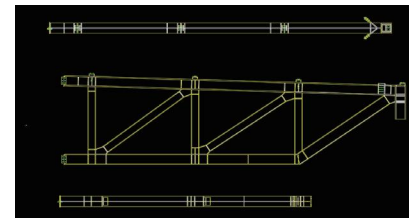
Digital Twin Technology

Using digital twin technology to build twin welding workstations in computers. 3D model data analysis, automatic extraction of welds.



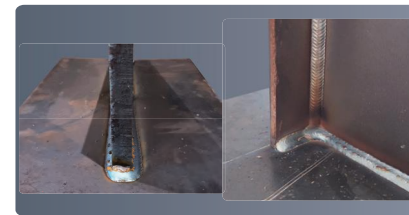
Support Welding of Various Steel Structure Products

Support teaching-free welding for various steel structure products such as crane beams, clamping plates, corbel, bridge transverse partitions, ship assembly, floating decks, etc.



Fillet Welding & Continuous Welding

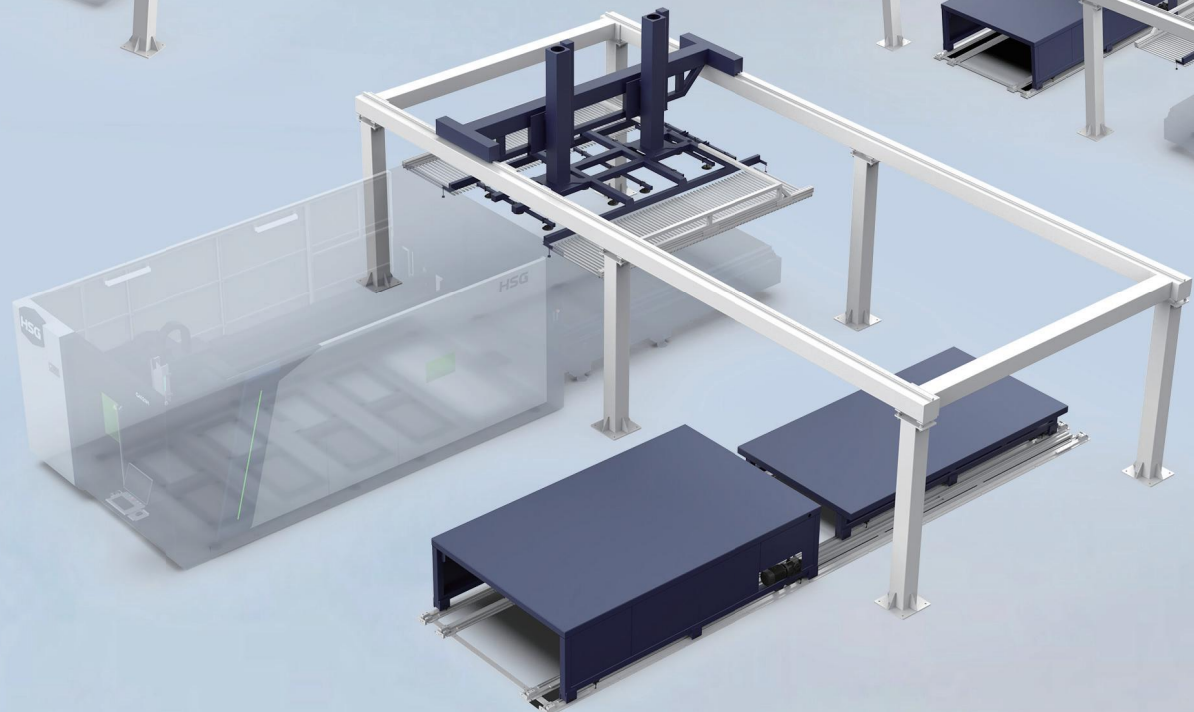
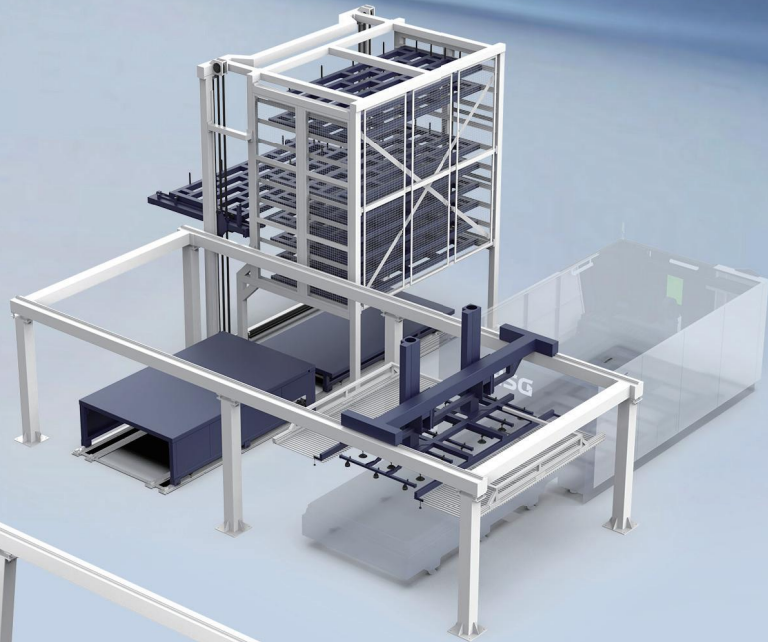
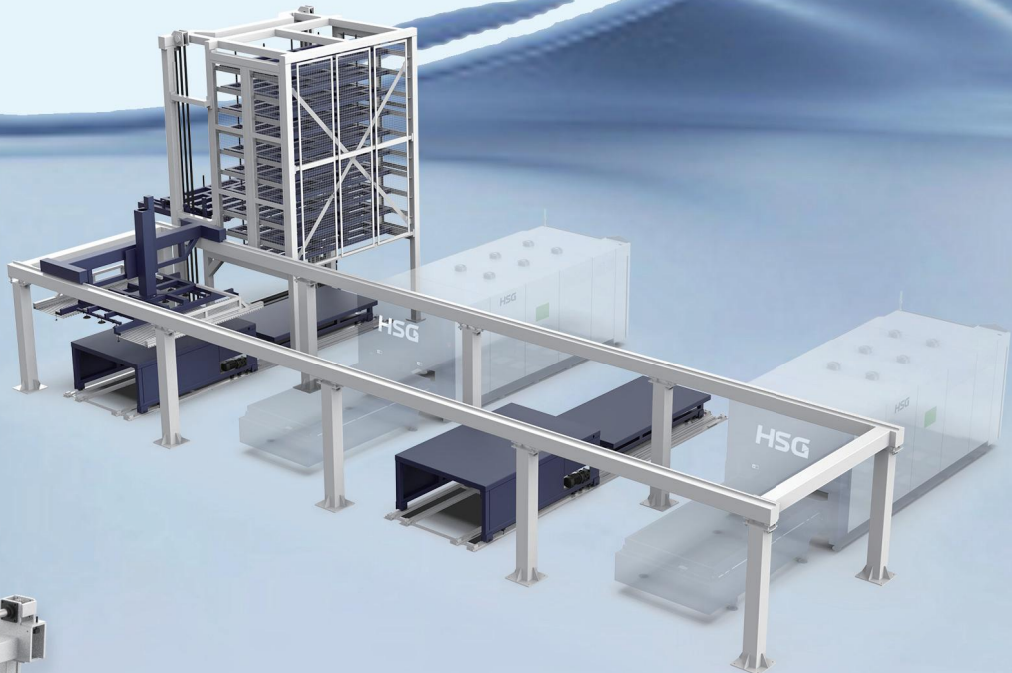
Fillet welding & continuous welding, excellent welding effect, consistent weld width and thickness, smooth and defect free surface, smooth transition between weld and base metal without undercutting.



model	W2800-7-GR	W3800-7-GR
Applicable Workpiece Size (L×W×H)	10000×1200×550mm×2	10000×1200×550mm×2
Length of Ground Rail	12m	12m
Effective Travel of Ground Rail on the X-axis	10.5m	10.5m
Thickness of Applicable Workpiece	6-20mm	6-20mm



AUTOMATION EQUIPMENT



STORE PRO

SERIES

PREMIUM INTELLIGENT LASER AUTOMATION SYSTEM



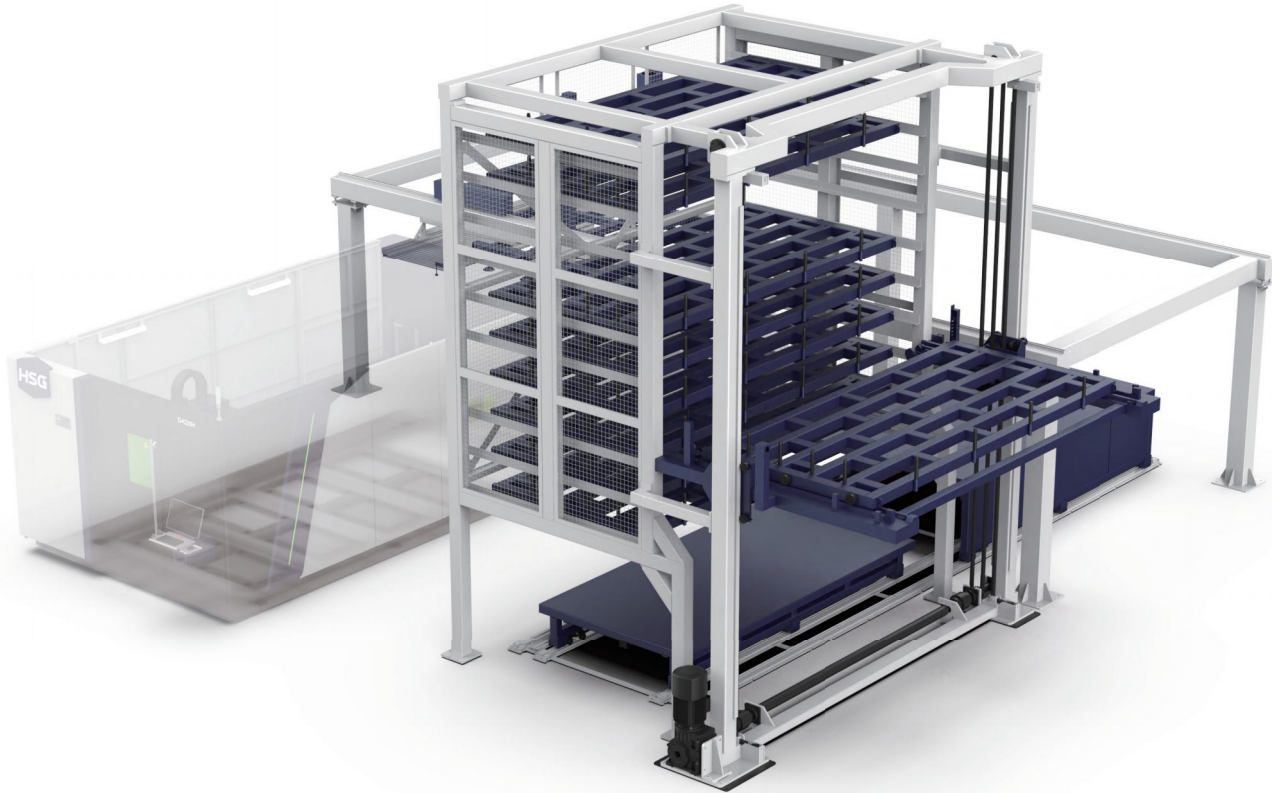
Model	Store Pro 3015
Matching Model Series	G3015H
Tower Height (Standard)	4400 mm, modular extension optional
Max./Min. Loading Sheet Size	3048×1524 mm / 1000×1000 mm



STORE

SERIES

COMPACT STRUCTURE | SMALL FLOOR AREA | UNATTENDED MANAGEMENT



Model	Store3015-8-800	Store4020-8-1200
Matching Model Series	GX,GH	
Matching The Size Of The Model	3015	4020
Max Loading Weight	400kg	800kg
Max Loading Sheet Size	3000mm*1500mm	4000mm*2000mm

ALG PRO

SERIES

PREMIUM AUTOMATIC LOADING & UNLOADING SYSTEM



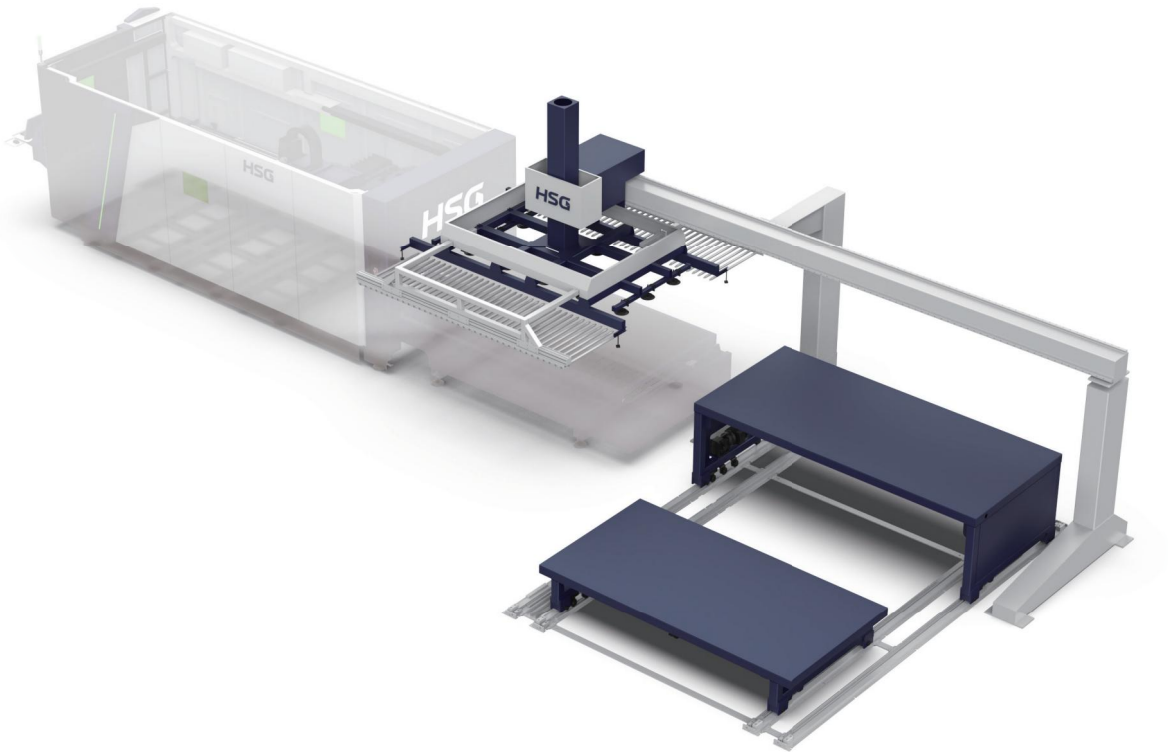
Model	ALG Pro 3015
Matching Model Series	G3015H
Max Loading Sheet Size	3048×1524 mm
Min. Sheet Size: Loading/Unloading	1000mm×1000mm/150mm×150mm



ALG

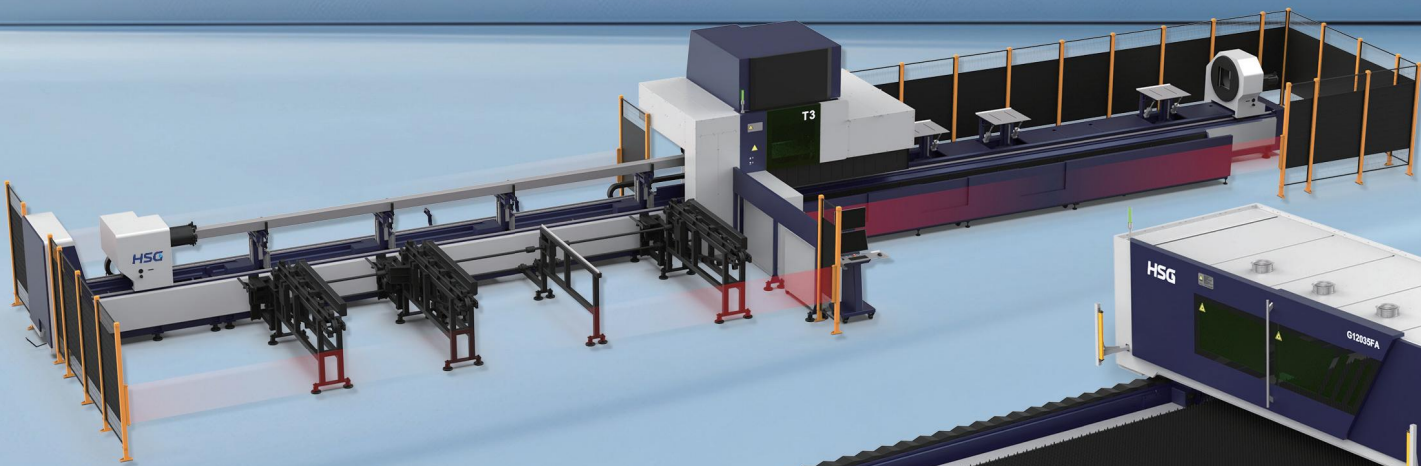
SERIES

LARGE FORMAT, HIGH LOAD | MODULE DESIGN | FREE COLLOCATION

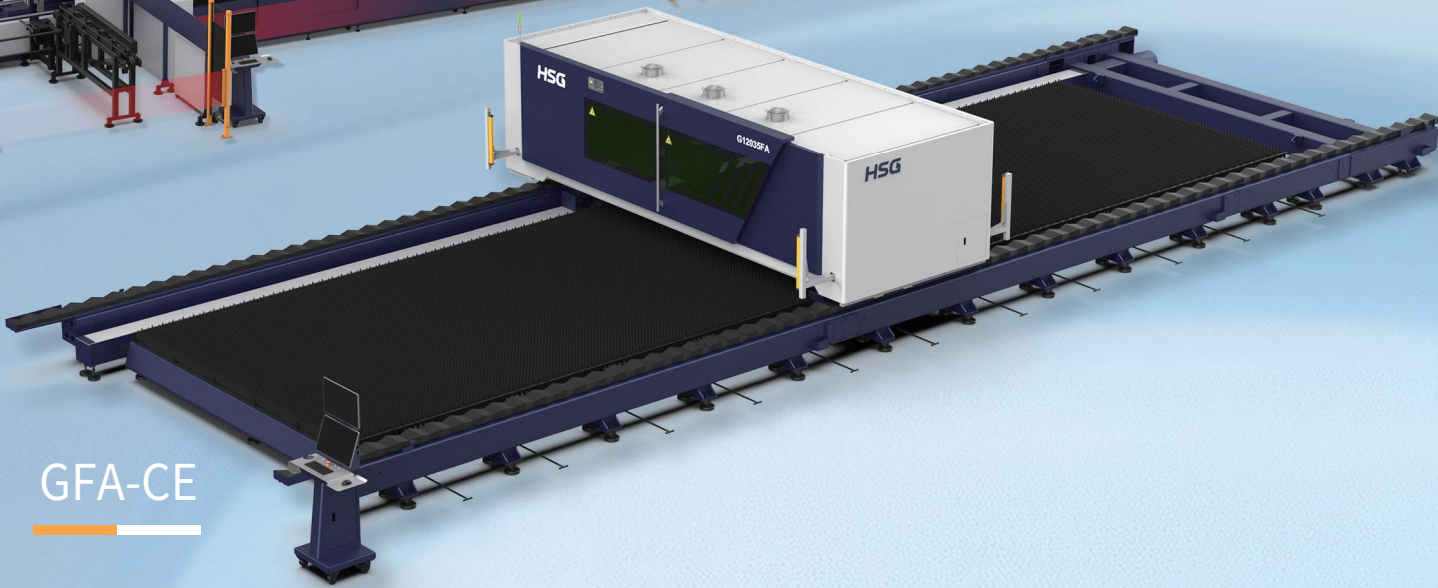


Model	ALG3015-400	ALG4020-800
Matching Model Series	GX,GH	
Matching The Size Of The Model	3015	4020
Max Loading Weight	400kg	800kg
Max Loading Sheet Size	3000mm*1500mm	4000mm*2000mm

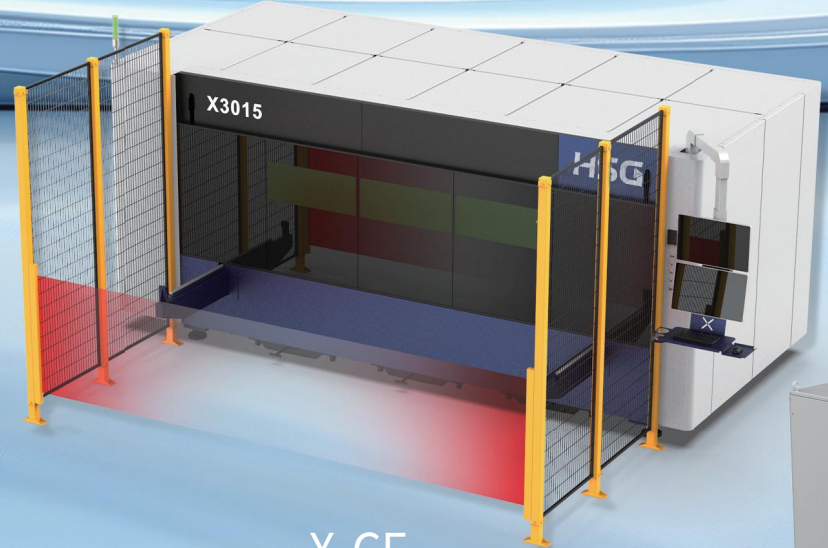
MACHINE WITH
CE CERTIFICATION



T3-CE



GFA-CE



X-CE



GX-CE



PROFESSIONAL CUSTOMER SERVICE

Global Services Network

HSG services network covers 100+ countries and regions around the world.
HSG provides professional services in each aspect and builds value-added cooperative partnerships with global customers to grow together.



Professional Training: Multiple technical training service and free operation training for customers and dealers in time.



Efficient Support: Humanistic service model, online services and 7*24 hotline to offer solutions and assistance.



Optimized Transport: Multi-channel transport solutions and professional transport solution team will provide various transport cases for to satisfy the demand of customers and save transports fees.



Sufficient Accessories: High efficiency accessories delivery service, multiple network inventory jointly respond to accessories demand to shorten customer's waiting times and accelerate production.



Careful Services: Domestic door-to-door service and free proofing, global 100+dealers provide efficient and convenient services.

SUCCESSFUL STORIES



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 nozzles).



Contact Us

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



Thoughtful Services

Provide training services for users
Professional Installation Services
Software Upgrade Services

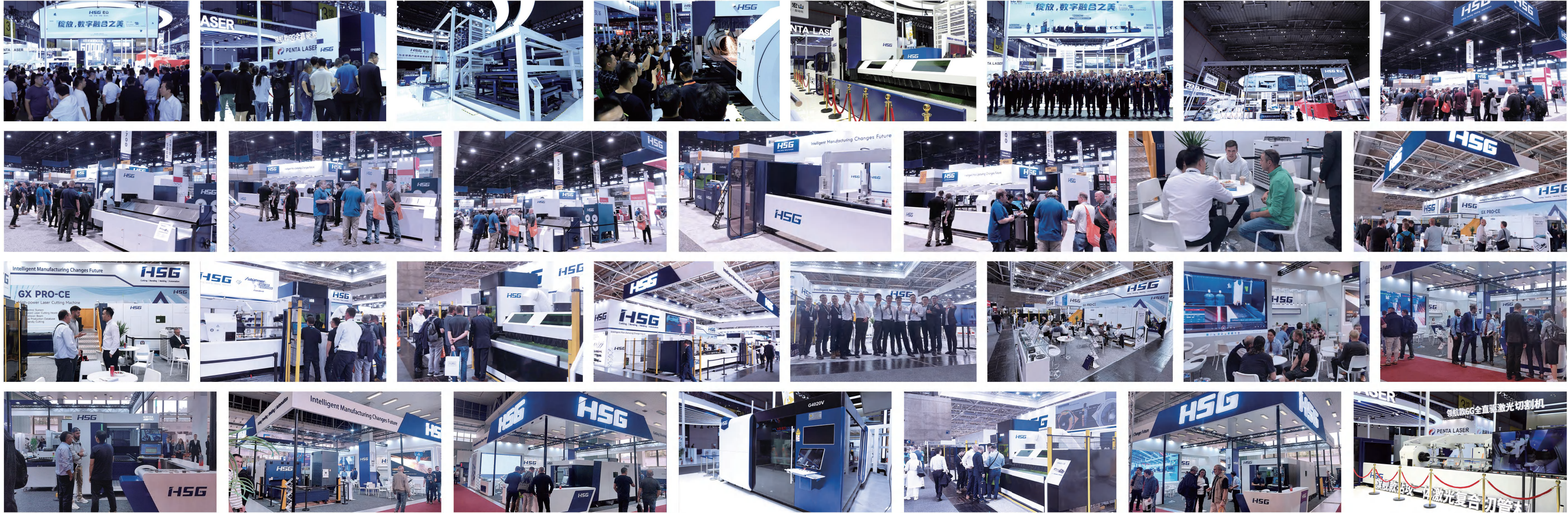


Complete Document Support

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

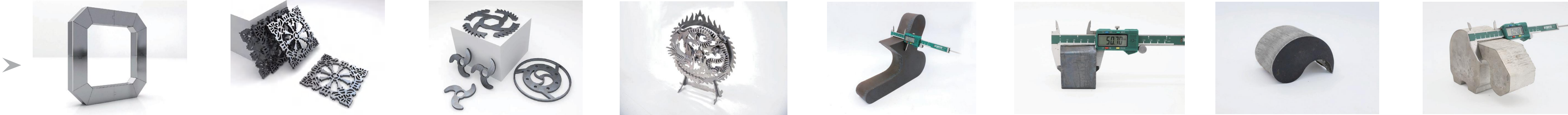


EXHIBITIONS ALL OVER THE WORLD

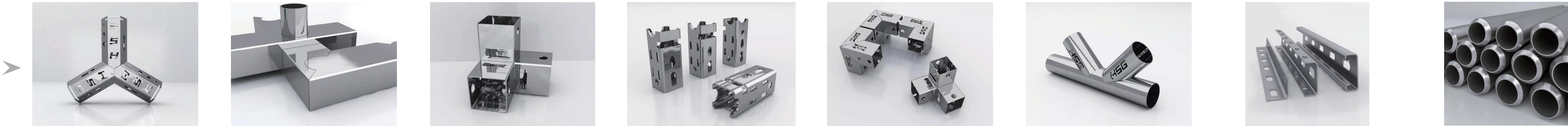


CUTTING SAMPLES

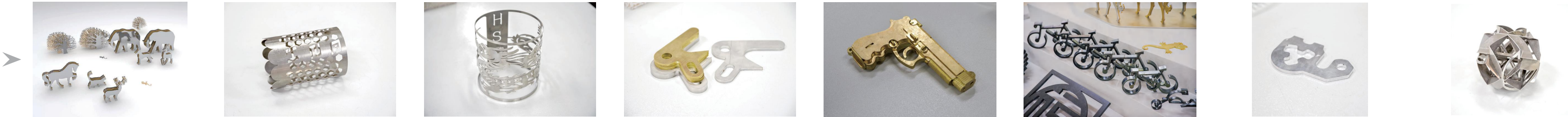
Sheet cutting



Tube cutting



High-precision cutting



Artistic decorations

