



HAN'S LASER | A subsidiary of Han's Laser
Smart Equipment Group | 002008:CH Shenzhen

Laser Automation Smart Manufacturing

All-in-one solutions

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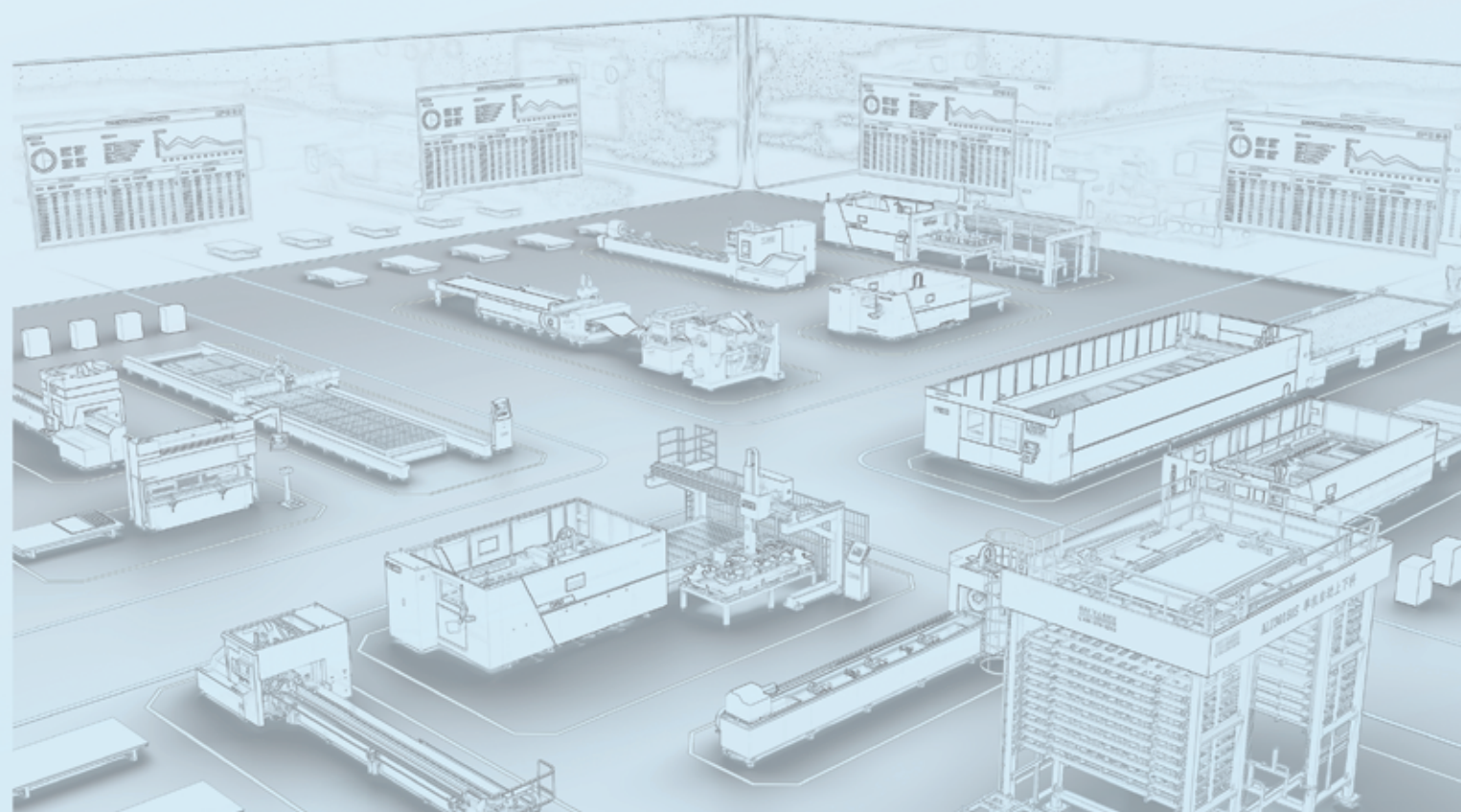


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mentgroup

Data subject to change , thanks for your comprehension.



INTRO



Global Manufacturing Hub



Headquarters



2nd Global Manufacturing Hub



Changzhou Factory



Tianjin Factory



Hunan Factory



Zhangjiagang Factory



Dallas Factory, USA

APPLICATIONS



APPLICATIONS

Han's Laser Smart Equipment Group is a leading manufacturer of automated laser cutting and welding equipment, specializing in the development, manufacturing, sales, and service of high-power laser cutting, tube cutting, automated production lines, and bending machines. With a strong focus on innovation and numerous industry awards and recognition, Han's Laser has become a pioneer in the fiber laser technology revolution and a global provider of high-quality automation solutions for industries such as energy and petrochemicals, transportation, automotive, machinery, and electronics.

The company has passed "ISO9001" and "ISO14001" certifications, and its entire product line has obtained EU CE certification. The company strictly controls every aspect of the process, including material procurement, processing, assembly, commissioning, and testing. The company has established four major regions and spare parts warehouses in Shenzhen, Suzhou, Beijing, and Changsha, with more than 100 offices under its jurisdiction. The company has established sales and service agencies in more than 30 countries and regions to provide high-quality products and efficient services to global users.

We offers comprehensive machinery for fabricators in metal manufacturing, and provides laser machinery solutions. Our sales network expands to 30 counties in order to provide global clients with high quality laser machine and comprehensive services.

MILESTONES

1996



Shenzhen Han's Industrial Co.,Ltd founded by Gao, products titled as Han's Laser

2001



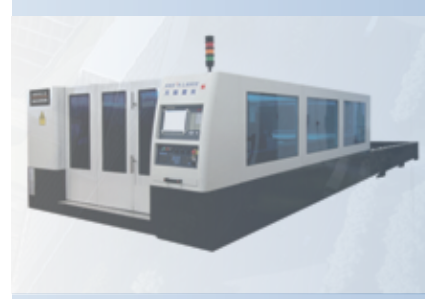
DNV audited Han's Laser with ISO9001:2000 certification - quality management system

2004



Han's Laser entered high-power laser equipment market by establishing "Sheet Metal Division"

2009



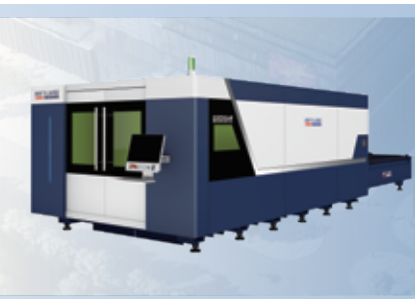
The first R&D high-power fiber laser cutting machine prototype

2012



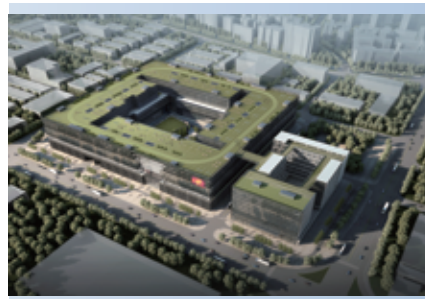
A national standard has been established in the laser industry called "Laser Product Safety Part 14: User Guide"

2014



Han's Laser Sheet Metal Division Global Center started operating. Become the industry leader of high power laser machines

2017



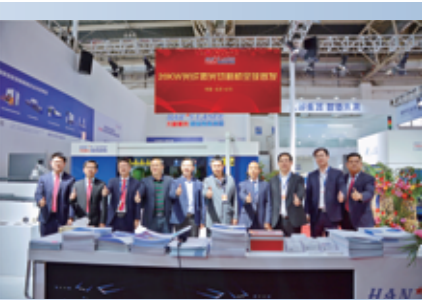
Starting construction of Han's Laser Global Manufacturing hub

2018



Han's Laser Smart Equipment showcases on CCTV documentation "The Pillars of a Great Power II"

2019



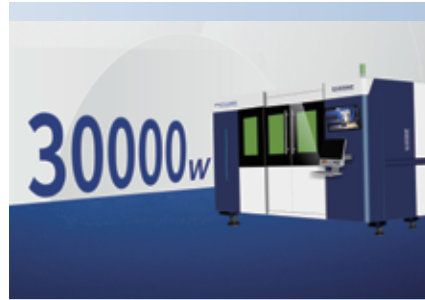
Global premier debut of 20kW fiber laser cutting machine

2020



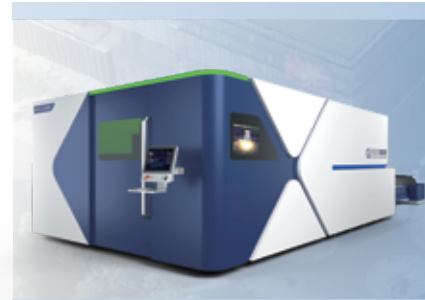
Deliver the first domestic FMS laser tube cutting production line in China

2020



Deliver the first G12030HF 30kW ultra-high power laser cutting machine

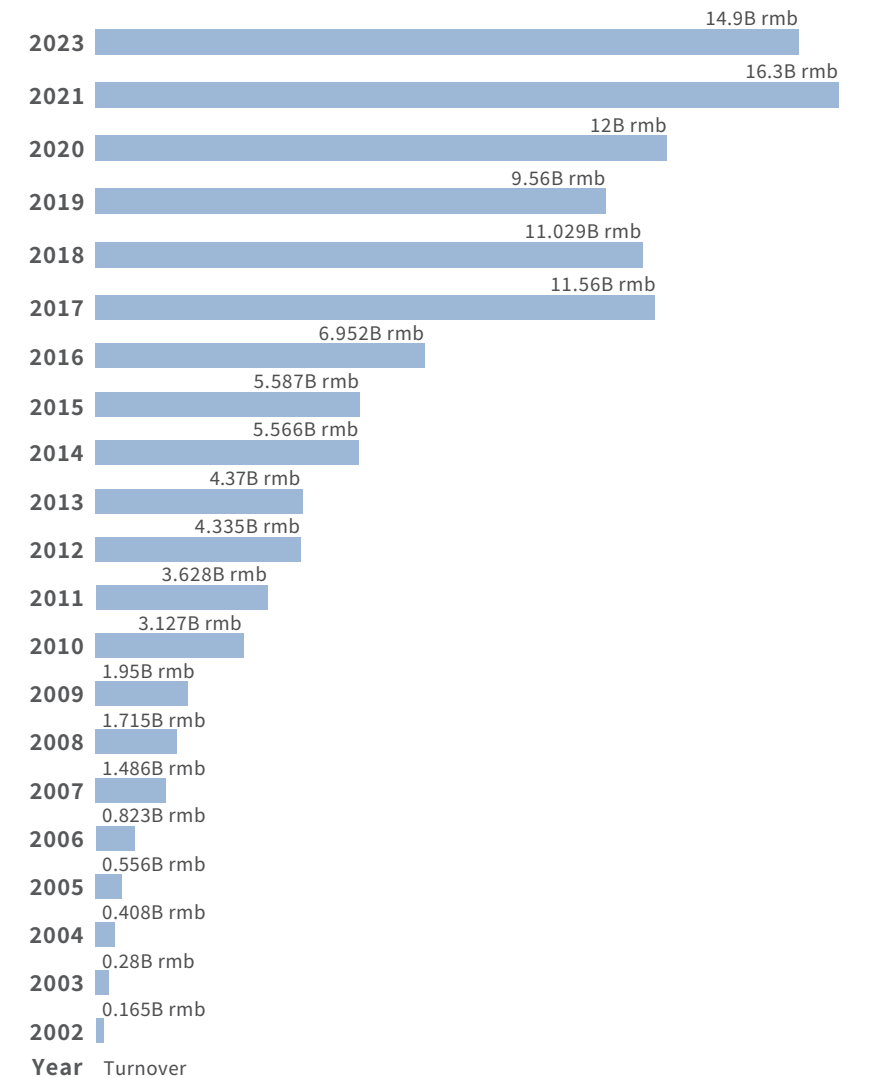
2022



HF 50 Series 50kW Maglev Ultra High Power Ultra High-Speed Fiber Laser Launched

Growing market

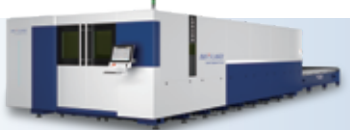
Sales revenue in RMB

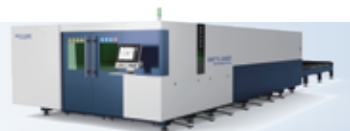


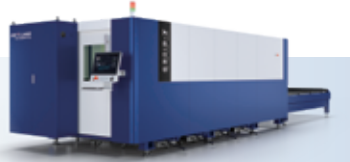
Contents


01  HF/HF 50 Laser Series P1-4

02  HF MINI/EXPERT/BF Laser Series P5-8

03  F Laser Series P9-10

04  G Laser Series P11-12

05  G-J/O/K Laser Series P13-18

06  Large Format & Coil-fed Series P19-24

P25-28 Laser Automation



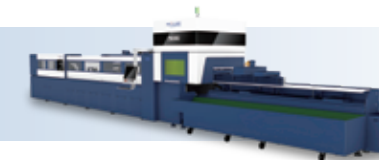
07

P29-32 WD/WT 3D Laser Series



08

P33-40 Laser Tube Series



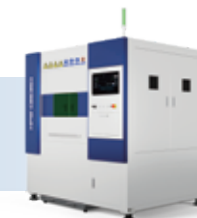
09

P41-42 HBC/HBS Bending Series



10

P43-50 MPS Series



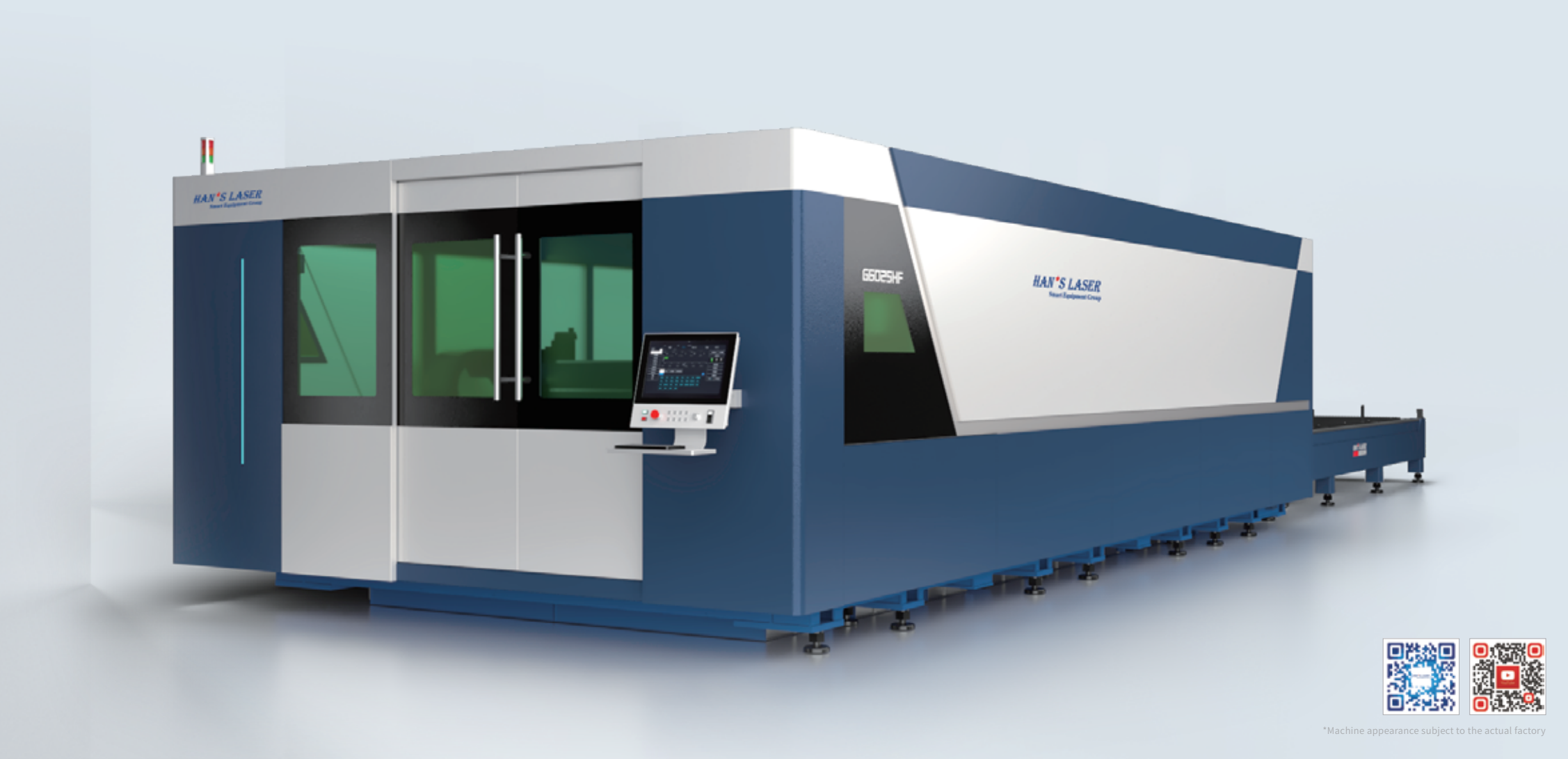
11

P51-52 Core Technologies & Services

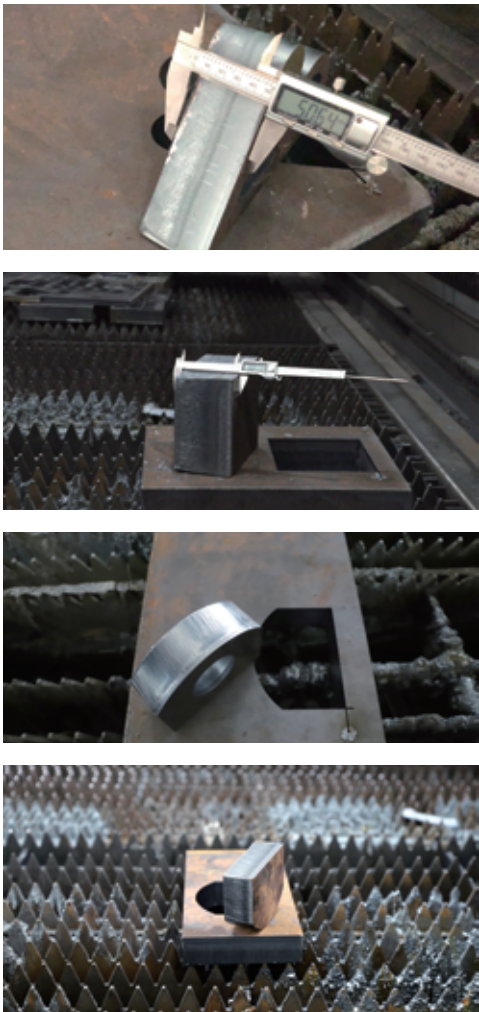


12

HF Series | High-Speed 2D Fiber Laser Cutting Machine



Sample



*Machine appearance subject to the actual factory

Performance Improvement

300%
SPEED

100%
PRECISION

20%
STRENGTH

50%
FAILURE

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

X/Y axis repeatability	Max. acceleration (X/Y axis)	Max. positioning speed (X/Y axis)	Max. loading capacity
±0.02mm	2.8G	200m/min	16000kg

Processing area (L x W)
6000X2500mm (Format 3000x1500/4000x2000/6000x2000/8000x2500/10000x2500/12000x2500/12000x3000mm)

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Product Features



Reliable mechanical design



Reliable core components



Self-developed CNC system



Laser application database

Industrial Applications

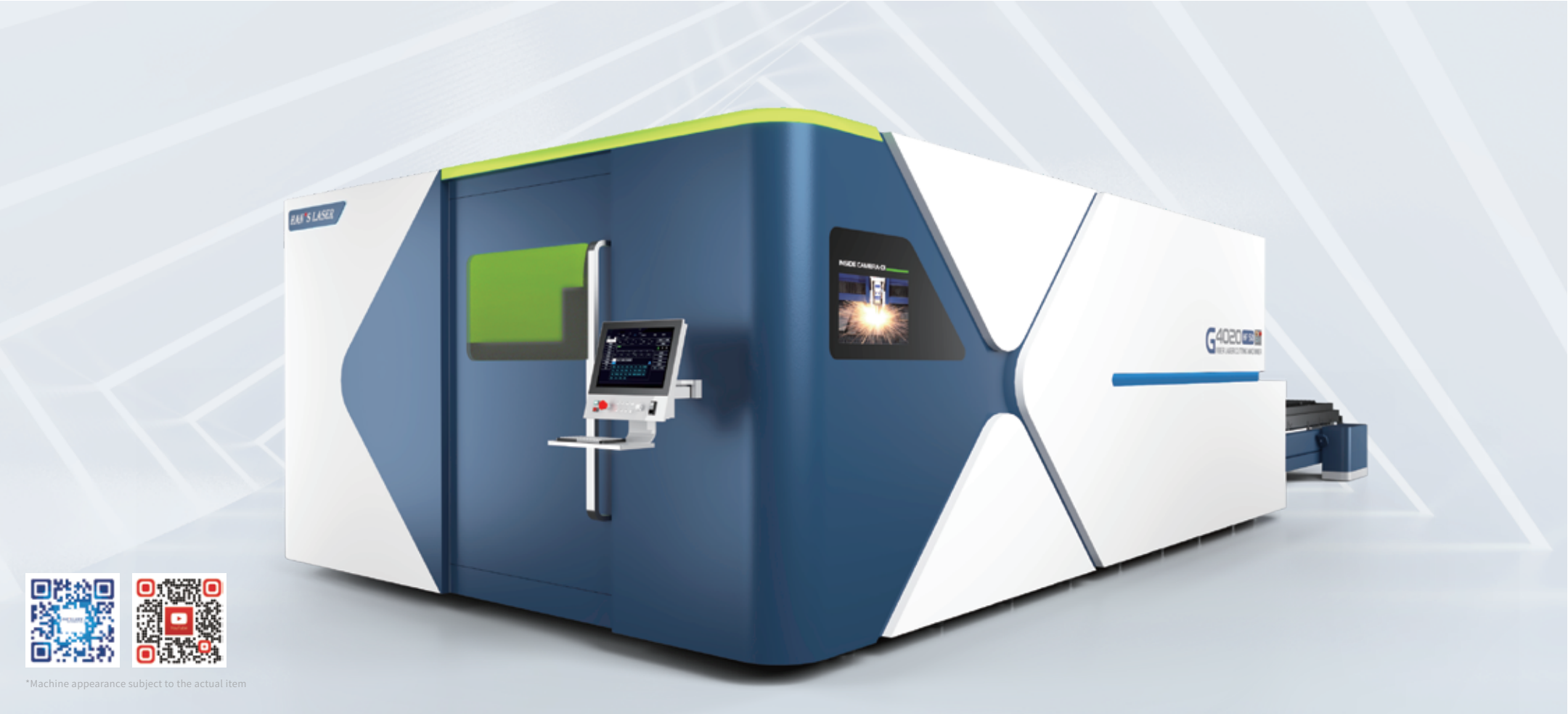


Steel Structure Industry



Construction Machinery

HF 50 Series | High-Speed 2D Fiber Laser Cutting Machine



*Machine appearance subject to the actual item

Industrial Applications



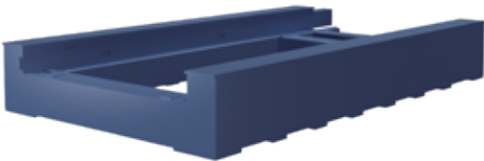
Metal Fabrication



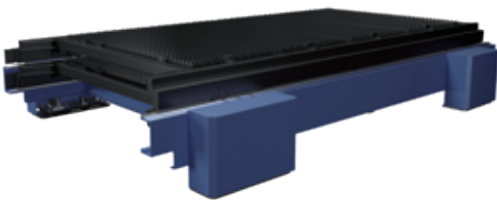
Rail Transportation

Technical advantages

- Hollow mono-block bed structure
Maximally reduce risks of heat deformation of high power and meet the requirements of ultra-high power use above 30KW



- Hydraulic lifting and switching table
Hydraulic lifting system makes every loading safe and stable



Performance Parameter

Processing area (L x W)	Max. acceleration (X/Y axis)	Max. positioning speed (X/Y axis)
4000×2000mm (Format 4000x2500/3000x1500mm)	5G	310m/min
Laser power	Max. loading capacity	X/Y axis repeatability
12000W 15000W 20000W 30000W	1600kg	±0.01mm

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Product Features



Magnetic levitation drive structure



Ultra-high speed ultra-high precision



Reliable key function parts (EU quality)

Performance Improvement

240%
SPEED

80%
PRECISION

15%
STRENGTH

40%
FAILURE

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Sample



HF EXPERT / HF MINI Series | Fiber Laser Cutting Machine

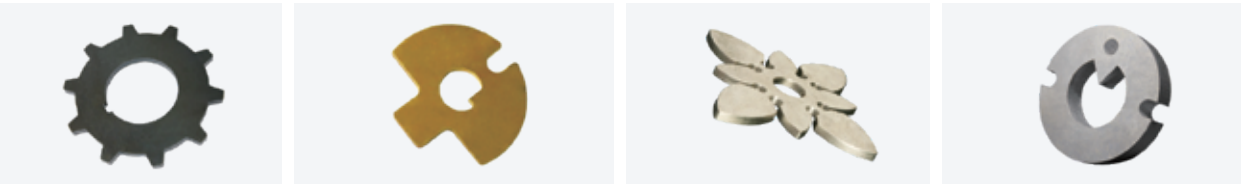


Performance Parameter

Processing area (L x W)		X/Y axis repeatability
HF Mini (format 3015 4020)/HF Expert (format 3015 4020 6025 8025)		±0.02mm
Max. positioning speed (X/Y axis)	Max. acceleration (X/Y axis)	X/Y axis positioning accuracy
280m/min	3.0G	±0.03mm/m

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Product Features



Superior performance, great experience
One step to a competitive price for the best value

Accurate dynamics, efficiency, and reliability are unparalleled



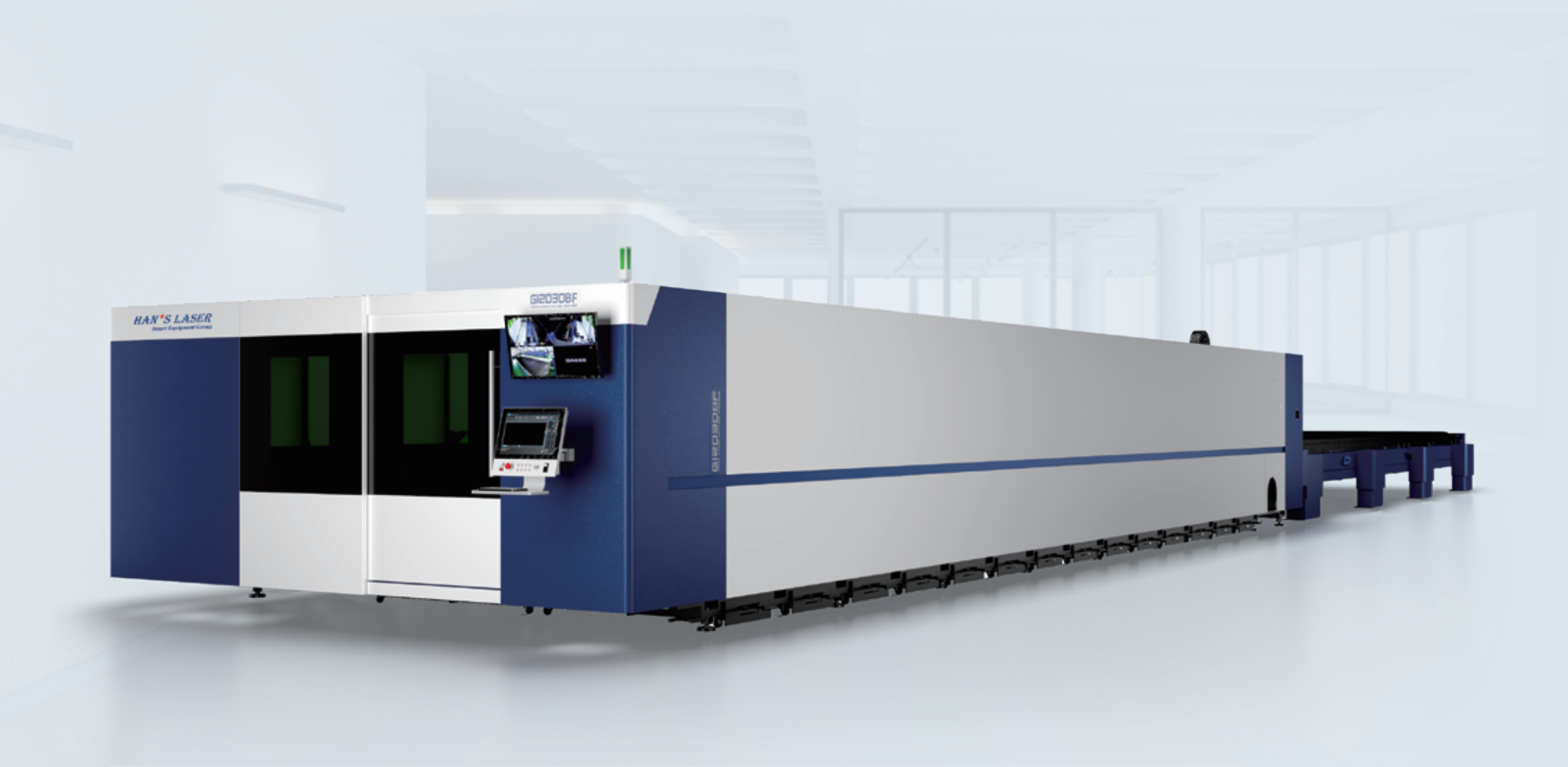


Gantry welded steel structure bed with large torque servo motor


Industrial Applications




BF Series | Bevel-Cut Large-format Laser Cutting Machine




Product Features




0~45°V-Y-X-K
cut and gradual bevel



AB vertical-axis
calibration



IR&D multi-axis
CNC control system



3D coordinate
system



* Machine appearance subject to the actual item

Performance Improvement

300% 

SPEED

100% 

PRECISION

20% 

STRENGTH

50% 

FAILURE

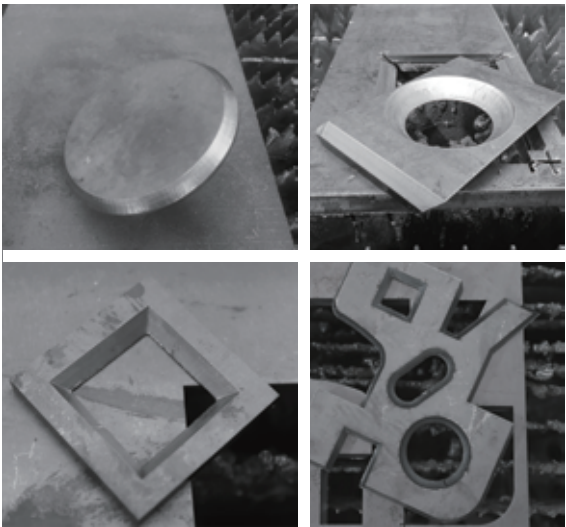
*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Straight Cut Processing Area (L x W)	Max. table load (on average)
12000×3000mm (Format 6000x2500/8000x2500/10000x2500/12000x2500mm)	10000kg/ PCS
Bevel Cut Processing Area (LxW)	Laser power
11000×2000mm (Format 5000x1500/7000x1500/9000x1500/11000x1500mm)	12000W 15000W 20000W 30000W

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

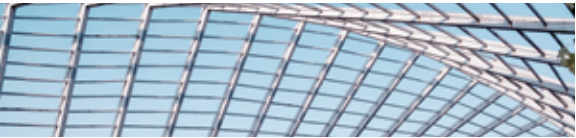
Sample



Industrial Applications

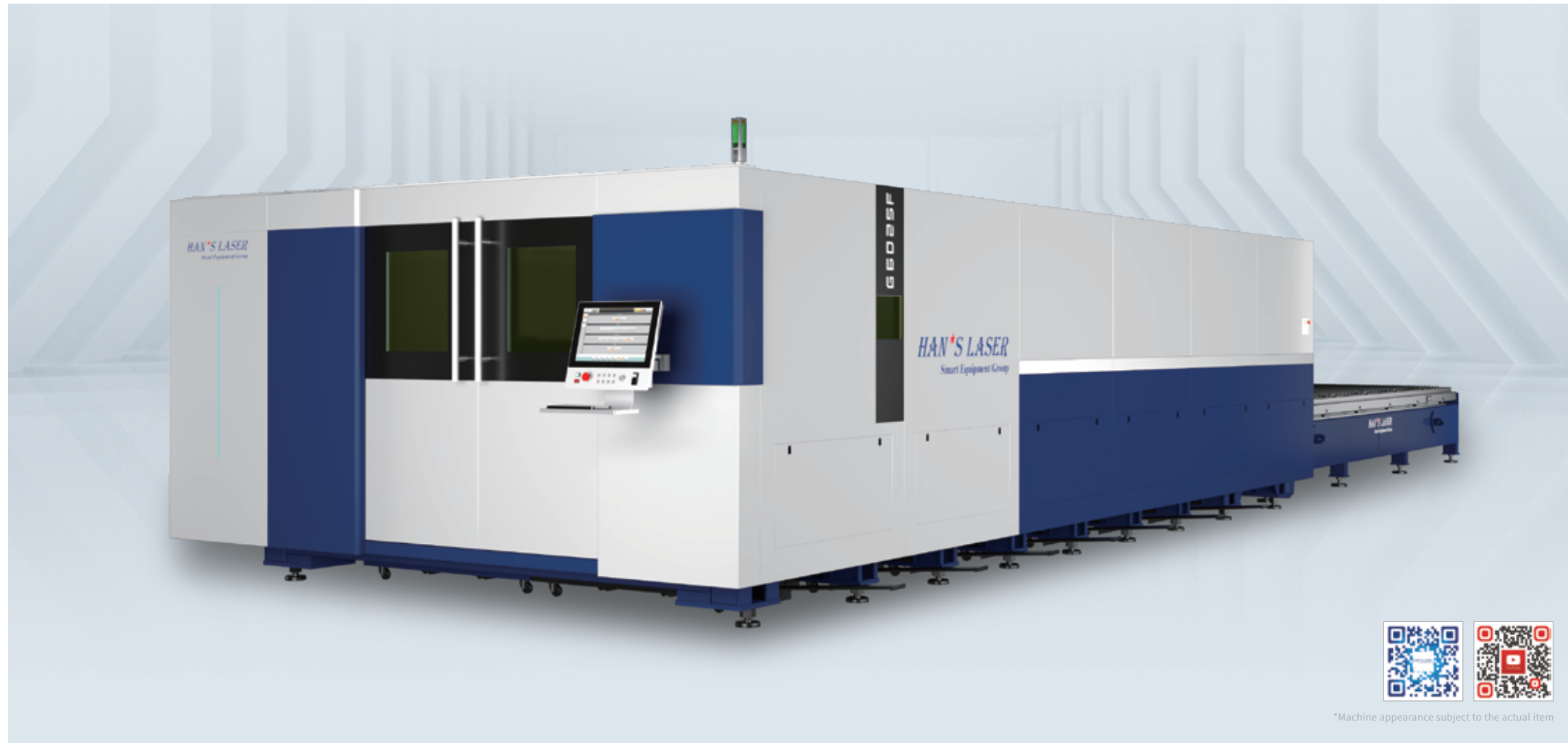


Construction Machinery



Steel Structure Industry

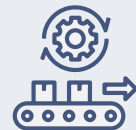
F Series | Fiber Laser Cutting Machine



Product Features



Efficiency, Quality, Reliability
unexpected return on investment

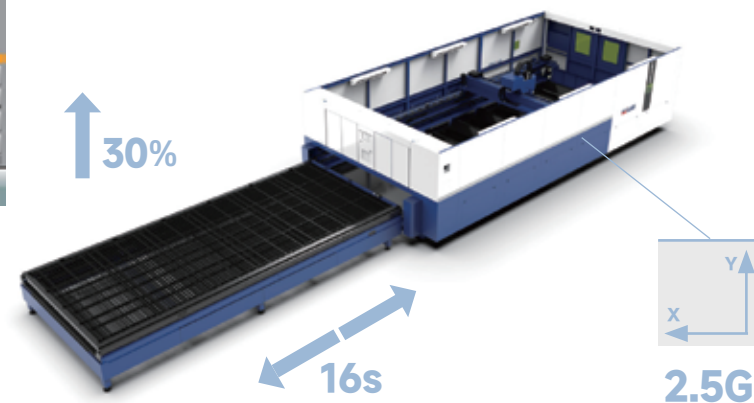


Connect to automatic production line
Maximizing production efficiency



The first fiber laser
model in China

Intelligent Control



Performance Parameter

Processing area (L x W)

6000mmX2500mm (Format 3000x1500/4000x2000/6000x2000/
8000x2500/10000x2500/12000x2500/13000x3000mm)

X/Y axis repeatability

±0.03mm

Max. positioning speed (X/Y axis)

140m/min

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications

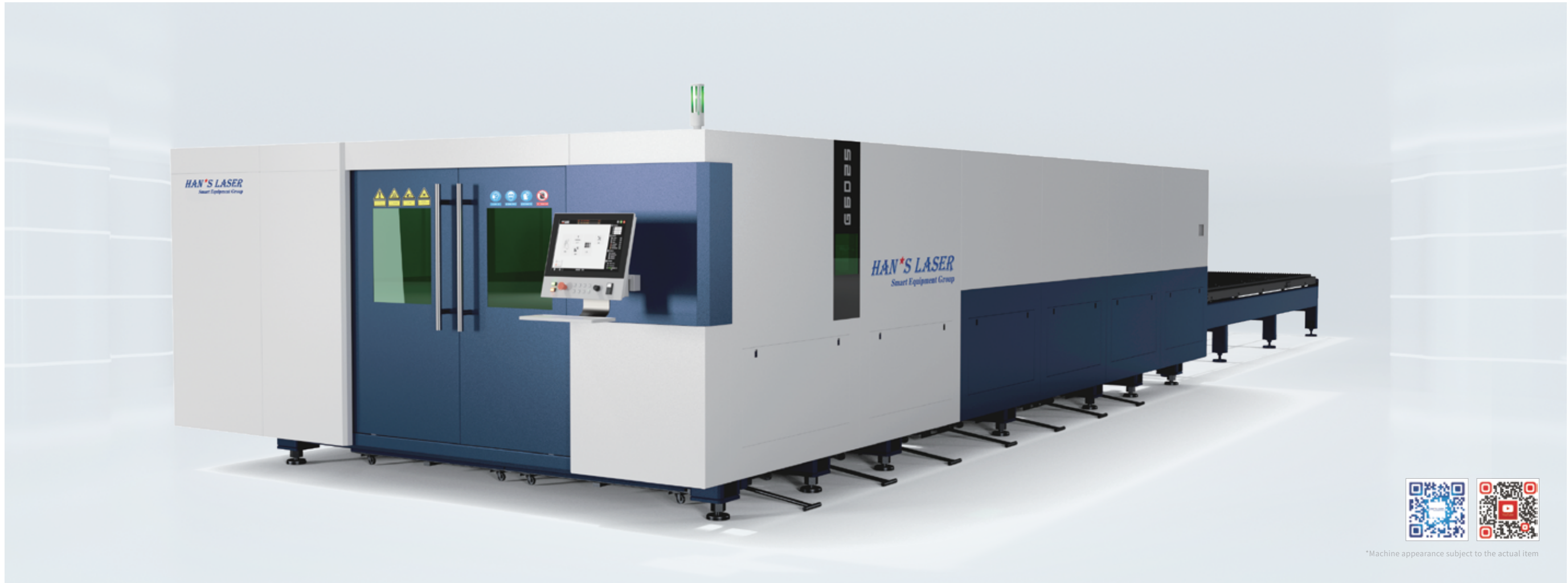


Steel Structure Industry




Metal Fabrication


G Series | Fiber Laser Cutting Machine




Product Features



Professional design mainly for medium and thin plates



Efficiency Accuracy
Cost-effective model



Specialized for sheet metal industry

Performance Parameter

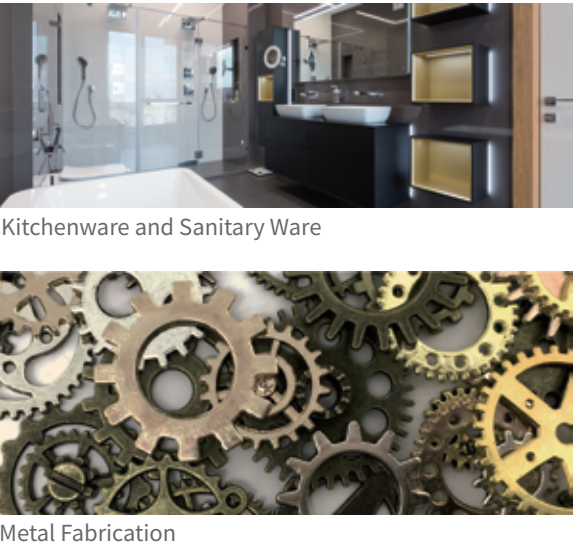
Processing area (L x W)			
6000mmX2500mm (Format 3000x1500/4000x2000/6000x2000/8000x2500/10000x2500/12000x2500/13000x3000mm)			
Max. positioning speed (X/Y axis)	X/Y axis repeatability	Max. acceleration (X/Y axis)	X/Y axis positioning accuracy
120m/min	±0.03mm	1.8G	±0.05mm/m

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications

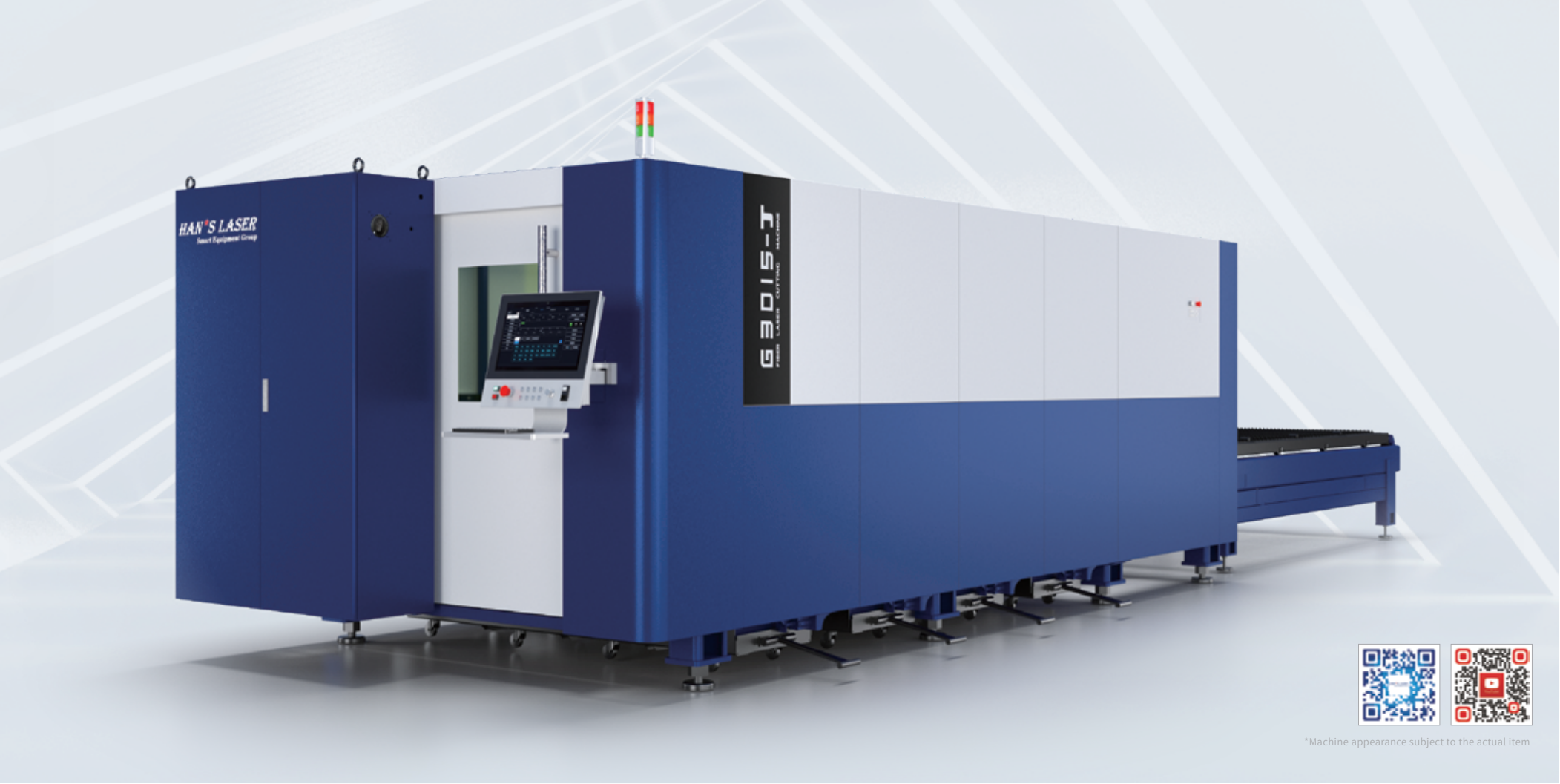


G-J Series | High Cost Performance Fiber Laser Cutting Machine




GJ Series machine body is heat treated for over 12 hours to stabilize machine material structure which guarantees machine's long life and anti-deformation.

EtherCAT Digital Bus Control System

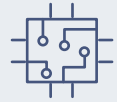


*Machine appearance subject to the actual item


Product Features




Standard container delivery



Self-developed CNC system



Hollow structure machine frame



“Zoning” ventilation

Performance Improvement

25% 
SPEED

30% 
STRENGTH

40% 
FAILURE

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Sample



Performance Parameter

Processing area (L x W)
3000 X 1500mm

Max. repeat positioning accuracy(X/Y axis)
±0.03mm

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Industrial Applications



Construction Machinery



Elevator Industry



Kitchen and Household Appliances

O Series | Single Platform Fiber Laser Cutting Machine



*Machine appearance subject to the actual item

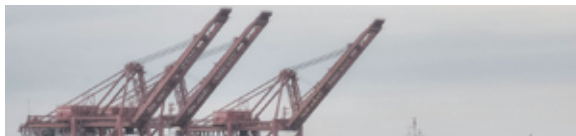
Industrial Applications



Agricultural Machinery



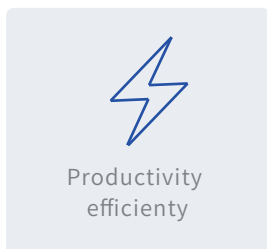
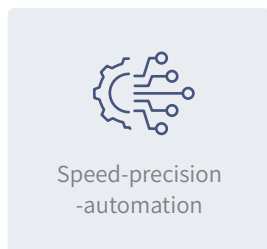
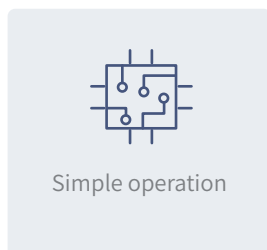
Elevator industry



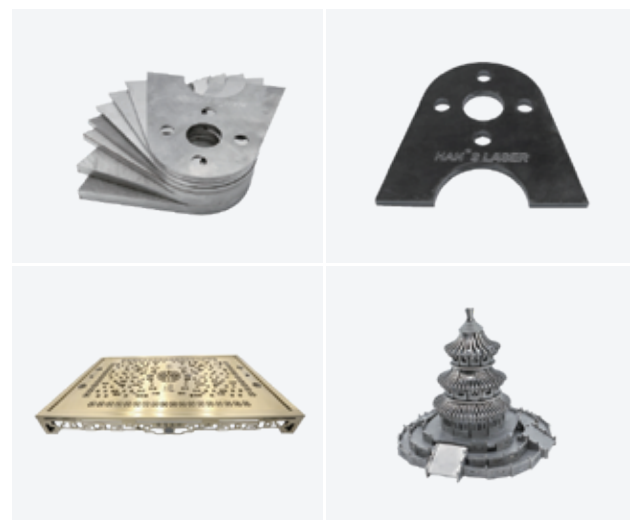
Construction Machinery



Product Features



Sample



Performance Improvement

25%
SPEED



30%
PRECISION



35%
STRENGTH



40%
FAILURE



*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

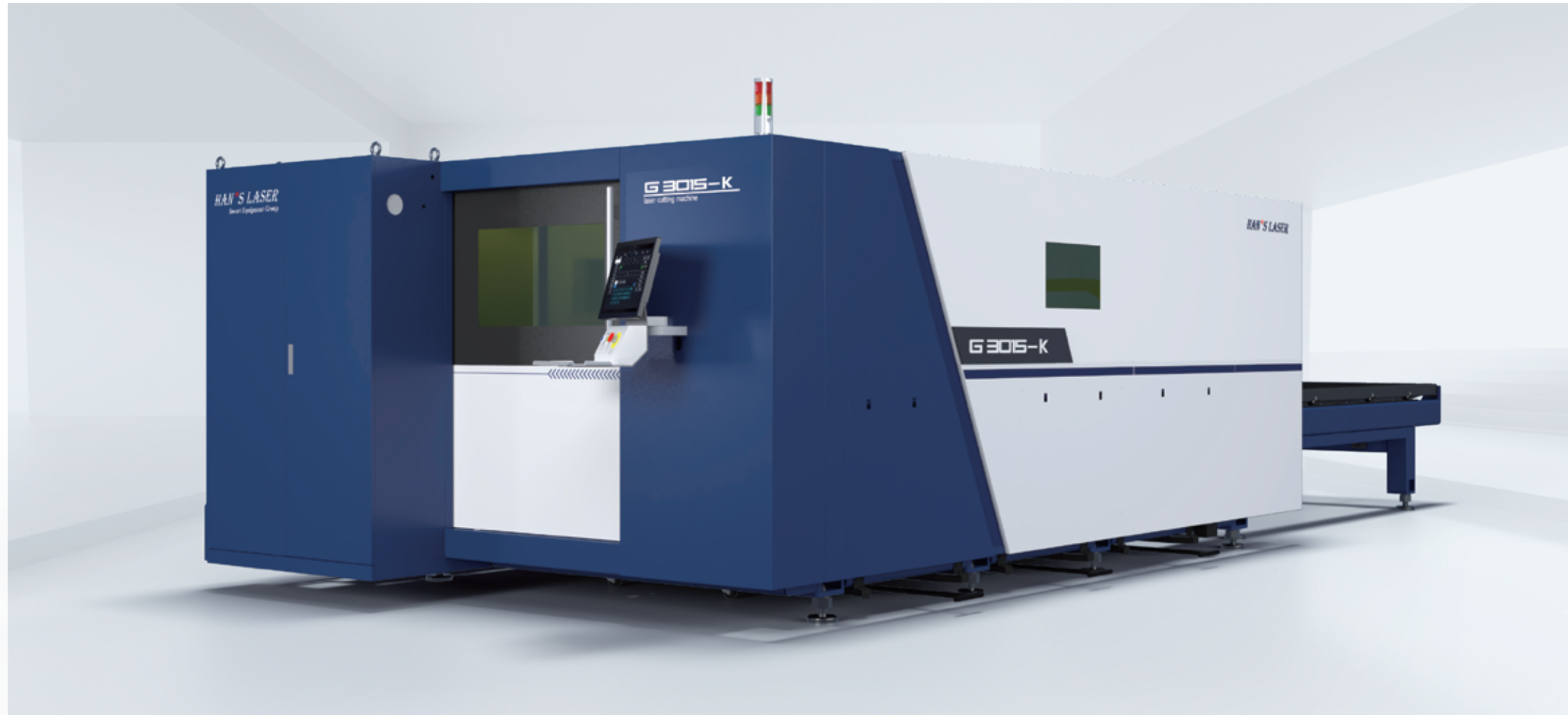
X/Y axis repeatability
±0.03mm

X/Y axis positioning accuracy
±0.05mm/m

Processing area (L x W)
3000 X 1500mm (Format 4000x2000/6000x2000/6000x2500mm/8000x2500/10000x2500/12000x2500mm)

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

K Series | Dual-Platform Fiber Laser Cutting Machine



Performance Parameter

Processing area (L x W)

3000X1500mm (Format 4000x2000
/6000x2000/6000x2500mm)

X/Y axis repeatability

±0.03mm

Max. positioning speed (X/Y axis)

±0.05mm/m

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided



* Machine appearance subject to the actual item

Performance Improvement

25%
SPEED



30%
PRECISION



30%
STRENGTH

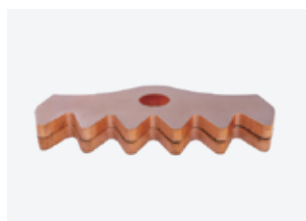
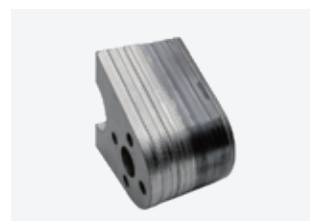


40%
FAILURE



*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Sample



Product Features



Steel-welded bed
Rare deformation



All-imported key
components



Self-developed
CNC system



High-power
Processing database

Industrial Applications



Agricultural Machinery




Elevator Industry




Cookware and Home Appliances

GIANT-L Series | Large-format Fiber Laser Cutting Machine


Product Features




Modular detachable workbench



Adaptive X-axis drive ensures accuracy for long-distance movement



"Zoning" ventilation and dust removal



CNC system drives servo motor by $0\pm45^\circ$



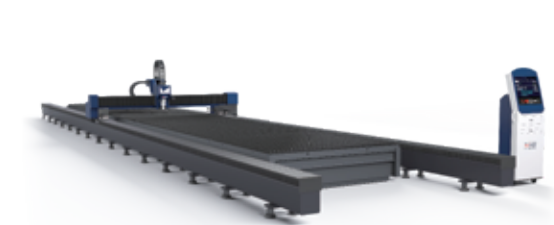
*Machine appearance subject to the actual item



Optional groove cutting function

Other Models

- GIANT/LA Series Large Format Fiber Laser Cutting Machine



- GIANT/LHB series Large Format Fiber Laser Cutting Machine (with outer cover)



Performance Improvement

50%
SPEED



50%
PRECISION



50%
STRENGTH



80%
FAILURE



*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W)	
26000mmX3500mm (Format X axis12m-50m, Y axis2.5m-5m)	
Max. simultaneous positioning speed (X/Y axis)	
70m/min	
Dimension (LxWxH)	Machine weight
32m X 5.4m X 2.1m	10 t
* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provideda	

Sample



Industrial Applications



Steel Structure Industry



Road and Bridge Industry

GIANT-T Series | Large-format Fiber Laser Cutting Machine

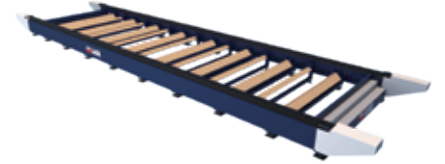


*Machine appearance subject to the actual item

Technical Advantages

● Machine bed: Precision quality super stability

The bed is designed with steel welded structure, rough machined after annealing to eliminate internal stress, and refined after secondary vibration aging treatment, which better solves the stress caused by welding and processing and greatly improves the stability of the bed.



● Beam: Lightweight with high-tensile metal

The crossbeam is a box-shaped structure of aircraft extruded aluminum beam, with the characteristics of light weight and good dynamic performance.



● Workbench: Long-lasting "fine"

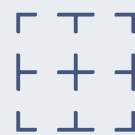
The main frame of the workbench is made of special fireproof material. The modular table is completely separated from the bed. Only a single support bar needs to be changed for long-term cutting, which effectively reduces the cost of the machine for customers.



Product Features



Advanced performance
enhance efficiency



"Zoning" ventilation effectively
extract harmful gas



Instant delivery with
shorten installation cycle

Performance Improvement

50%
SPEED



50%
PRECISION



50%
STRENGTH



80%
FAILURE



*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W)

16000mm X 3000mm (custom, X-axis 12m-16m, Y-axis 2.5m-3m)

Max. simultaneous positioning speed (X/Y axis)

100m/min

Machine weight

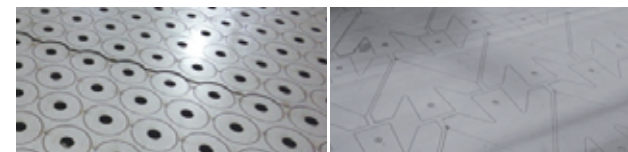
21.5 t

Dimension (LxWxH)

21m X 4.4m X 1.8m

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications



Construction Machinery



Rail Transportation

Coil-fed Series | GRC/RBC Coil-fed Laser Cutting Machine

Technical Advantages

Single/dual laser head dynamic cutting
Shorter cutting time and better efficiency

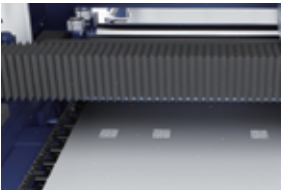
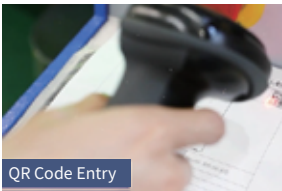
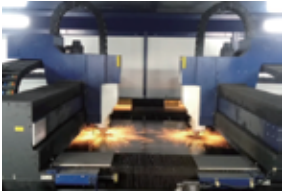
Double-headed dynamic cutting
Asynchronous cutting facilitates complex tasks in one process

Residue crushing function
Convenient remnant recovery

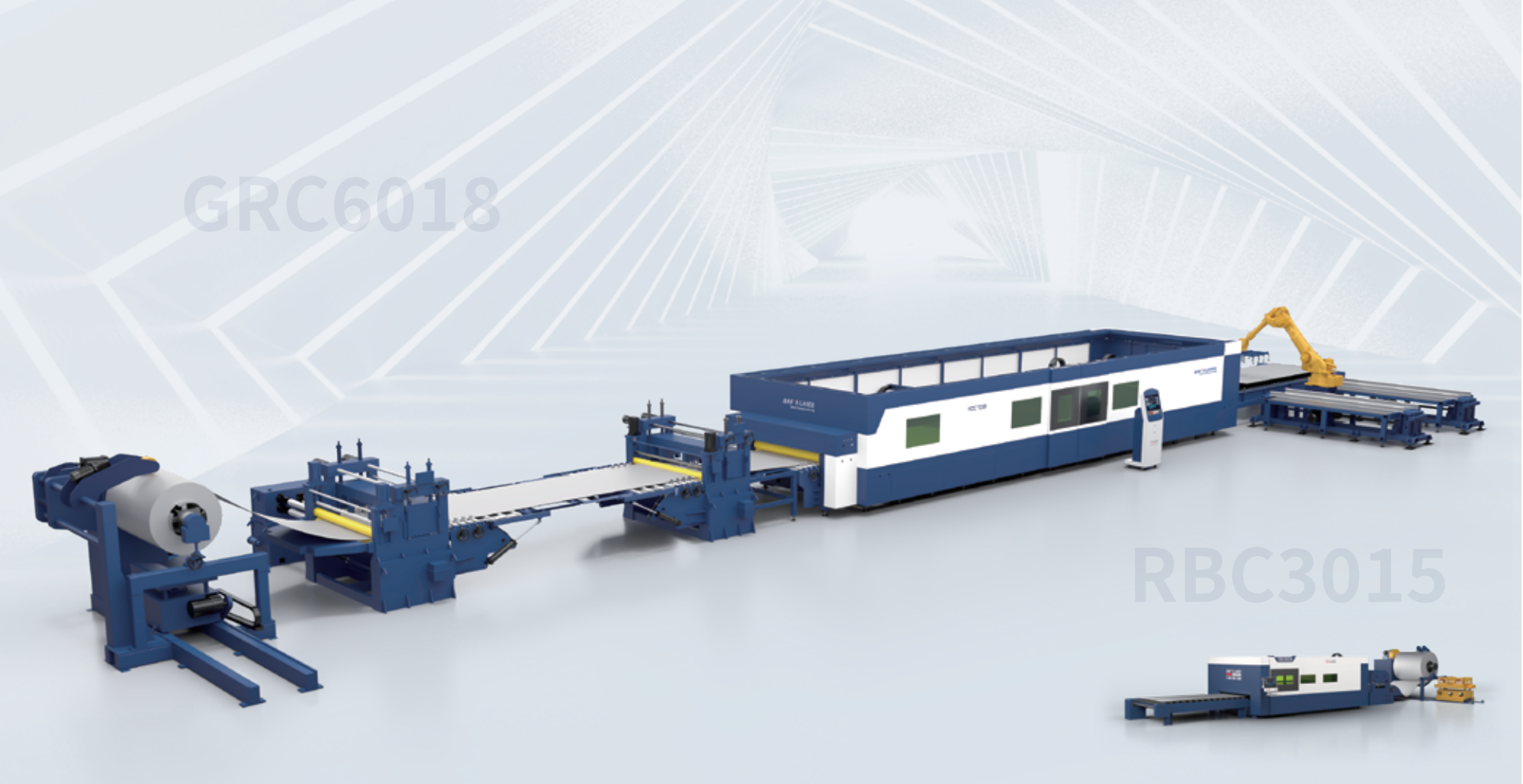
QR Code Entry
Rapid insert of work-pieces by scanning code of tasks

Integrated laser marking and cutting

Prevent sheet processing from scratch
No scratching while dynamic cutting which enables non-destructive cutting of plates



*Machine appearance subject to the actual item



Performance Parameter

Processing area (LxW)

6500mm × 1680mm (model 3015/4015/6015/6018/9018/12028) (Optionals: single head/multi-head, dynamic cutting/static cutting)

Max. simultaneous positioning speed (X/Y axis)	X/Y axis positioning accuracy	X/Y axis repeatability
120m/min	±0.05mm/m	±0.03mm/m

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Performance Improvement

300%
SPEED

100%
PRECISION

50%
STRENGTH

80%
FAILURE

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Product Features



Easier recycling of residual material



Optimum material utilization



Cut-and-Mark combination

Industrial Applications

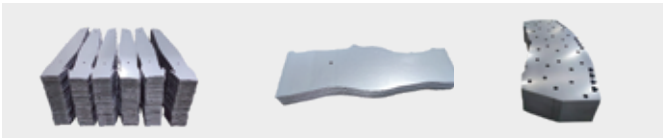


Automotive Parts Blanking Industry

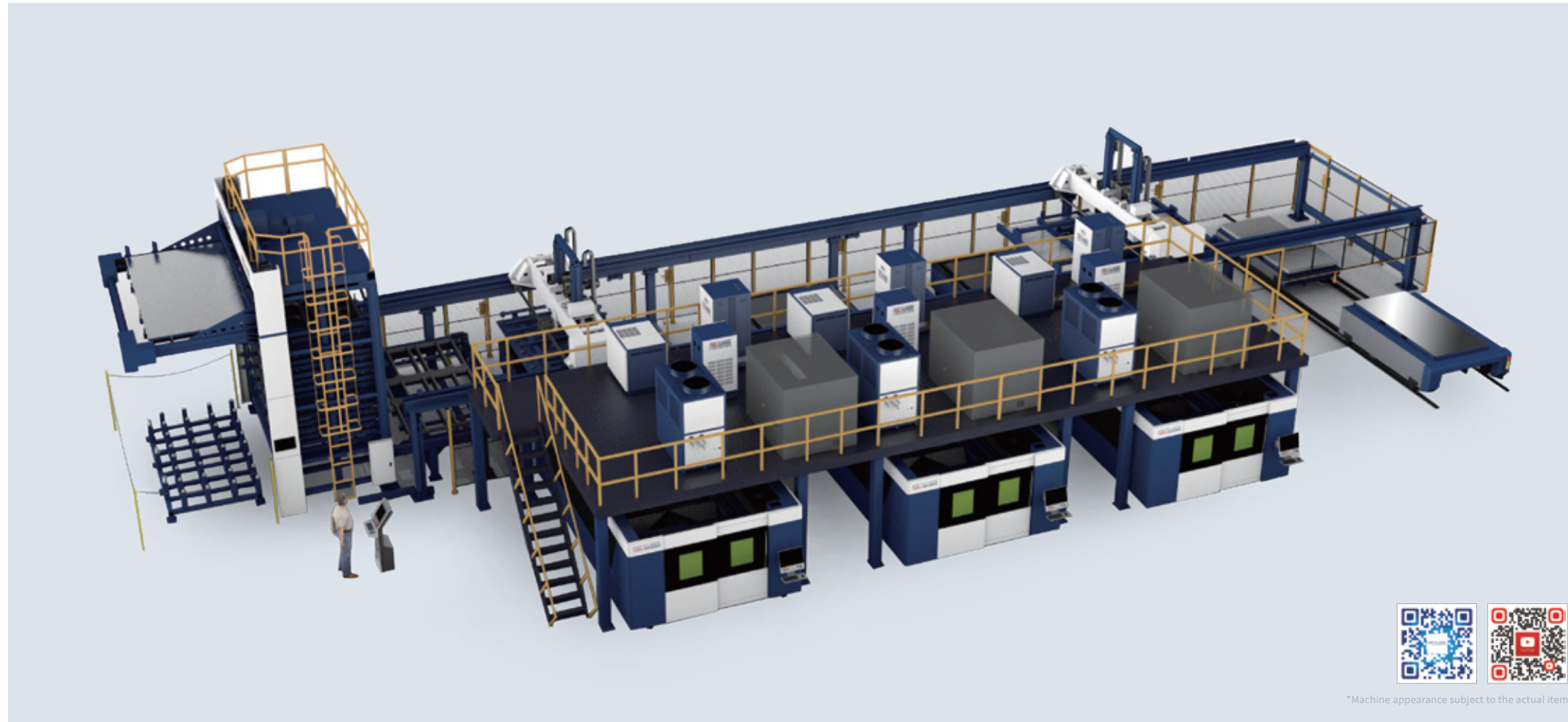


Metal Cabinet Industry

Sample



Laser Automation | Automatic Laser Production Line



*Machine appearance subject to the actual item

Technical Advantages

● Storage Tower (raw material storage)

Automatic access to plates,
compact structure
Space-saving and orderly
management of material
information



● Automatic loading robot

Single suction cup independent
vacuum
Safety-oriented, zoning control,
flexible to carry a variety of
sizes of plates



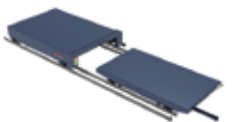
● Automatic unloading robot

Comb-like fork structure, safe
and reliable



● Electric double layer exchangeable carts

Upper and lower level
exchangeable structure
Saving floor space
Continuous production of
double stations without
interruption



Product Features



Unmanned production
Labor costs reduction



FMS smart
scheduling system



Deep integration
self-diagnosis



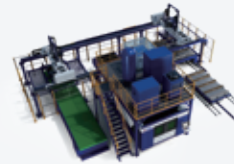
Module integration,
reserved for interface



SLU3015-C laser automation



ALU4020-B 1 for 2 machines



ALU3015-B loft-type automation

Performance Parameter

Max. moving speed	Max. load capacity of sorting table
50-60m/min	4t
Max. sheet size	Number of layers
8000*2500	10/12/15 floor (Optional according to workshop height)
Max. lifting speed	
6-12m/min	
Max. speed of sorting table level	
20m/min	
Max. load per shelf	
3t	
PLC+FMS+CNC (loading and unloading control system+smart scheduling system+cutting machine control module)	

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Industrial Applications



Steel Structure Industry



Rail Transportation

Laser Automation | Smart Factory



Product Features



Auto-connection of
multi-processing lines



RestFul API accept
external integration



Support process route,
order multi-process
split ordering

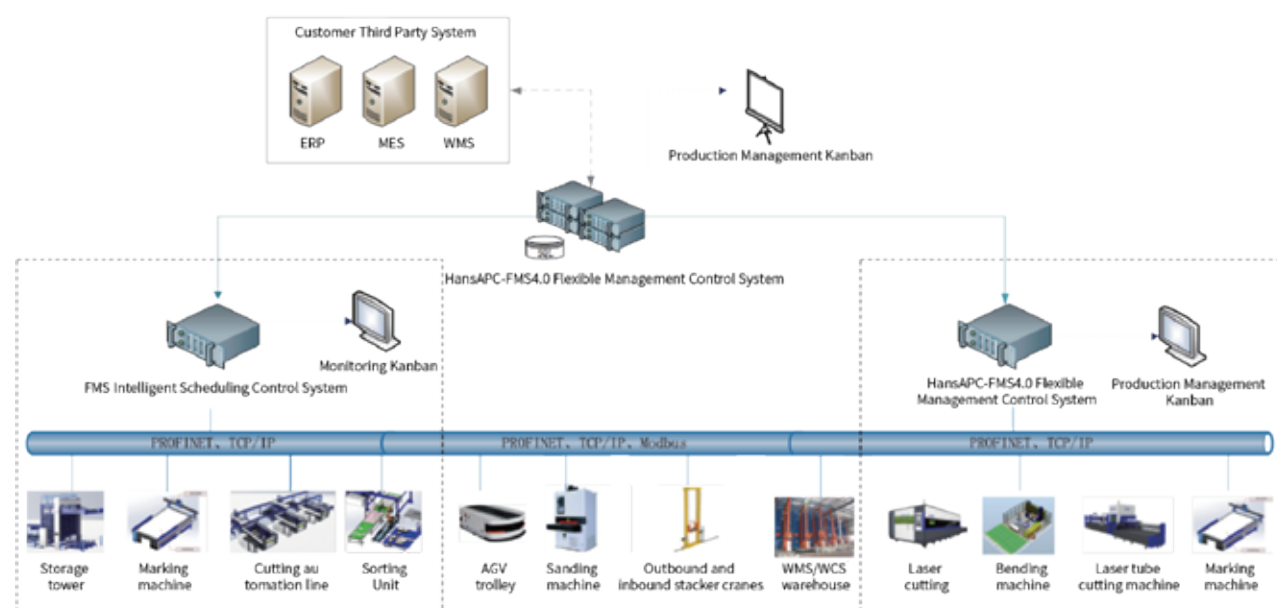


Open-system
for all platform
and equipment



*Machine appearance subject to the actual item

HANSAPC-FMS4.0 Flexible Management Control System



Customer Site



Industrial Applications



Petroleum machinery



Rail Transportation



Construction Machinery

WD Series | 3D Five-axis Laser Cutting Machine



Sample



Product Features

Gantry structure crossbeam shifting

Thermoformed parts Processing

3D 5-axis infinite n X 350° rotation

Precise and efficient with rotary workstation

Industrial Applications



Performance Improvement

20%
SPEED

10%
PRECISION

20%
STRENGTH

30%
FAILURE

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

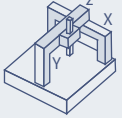
Max. speed(X/Y/Z axis)	Machine weight	Control system
100m/min	15000KG	Siemens/Rexroth
Max. loading capacity		
450kg		

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided


WT Series | 3D Five-axis Laser Cutting Machine




Product Features




Fixed-gantry structure
table movement



Max. processing space
dynamic performance



3D 5-axis
Infinite n X 350° rotation



Cut and weld switching
for more possibilities



*Machine appearance subject to the actual item

Performance Improvement

10%
SPEED



10%
PRECISION



20%
STRENGTH



30%
FAILURE



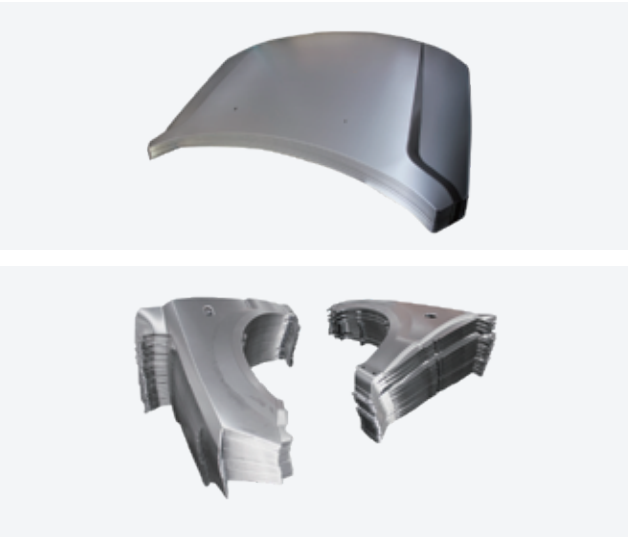
*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W) 3950 X 1950 X 575mm (Format 2950x1850x575/4450x1950x575mm)		Control system Siemens/Rexroth
Max. speed(X/Y/Z axis) 30m/min	Max. table load 500kg	Max. weight of machine tool 7000kg

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications




Construction Machinery




Automobile Industry

PD Series | Fiber Laser Tube Cutting Machine


Product Features




Automatic workflow
Smart manufacturing
system



Compatible with tubes
and profiles processing



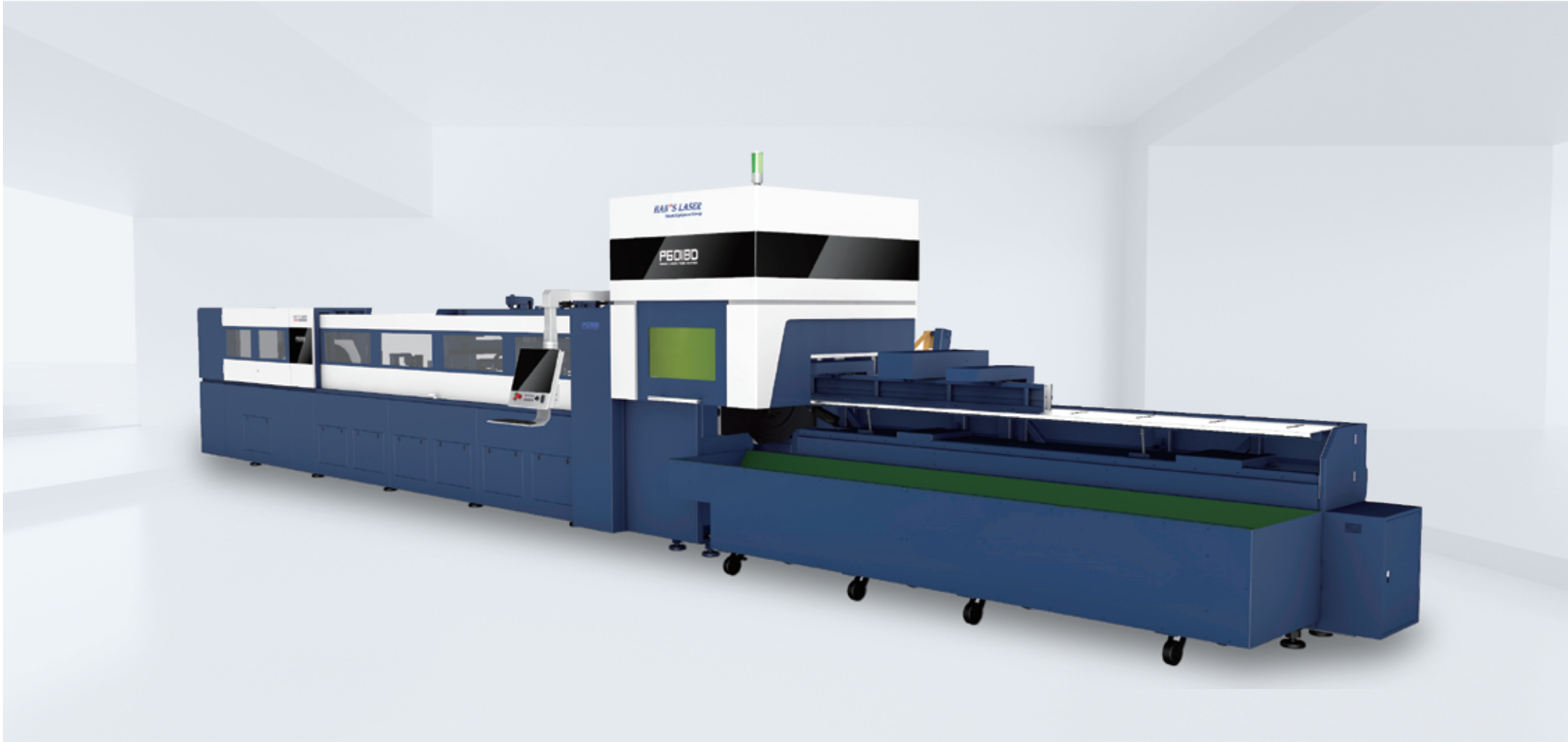
Self-developed
CNC system



Tube laser
processing database

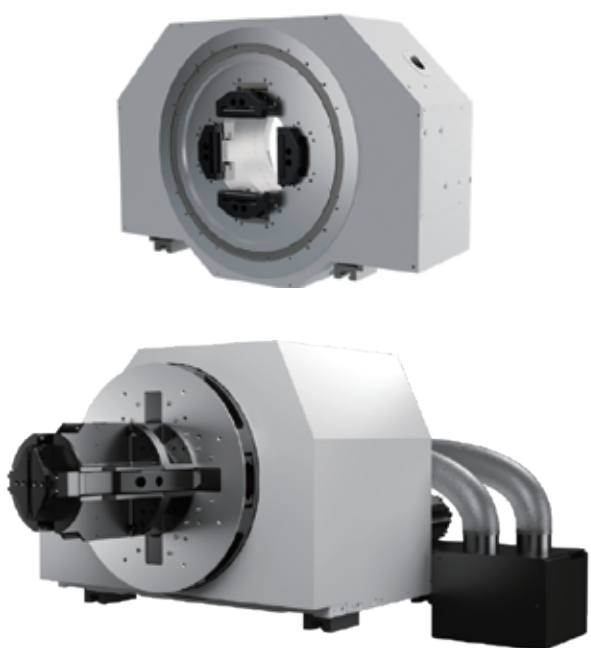


*Machine appearance subject to the actual item



Technical Advantages

- HAN's MESYS system**
 Real-time monitoring, data analysis and status alarming
- Cutting efficiency**
 X, Y, Z linear axes and A and B rotary axes are all equipped with high-torque servo motors imported from Germany, together with HAN's patented automatic loading and unloading system, which provides low loading noise, good stability and large processing efficiency.
- Extendable options**
 Optional functions contains profile cutting and several special-shaped tubes.
- Mechanical chuck**
 The mechanical chuck is well-enclosed to ensure the precise operation of the internal structure for 24 h. The chuck is equipped with a fixed cylinder that provides a constant clamping force to ensure accurate clamping every time. Digital detection monitors each clamping in real-time for safety and intelligence. The chuck is equipped with an internal air extraction system for more environmentally friendly processing of tubes and less deformation.

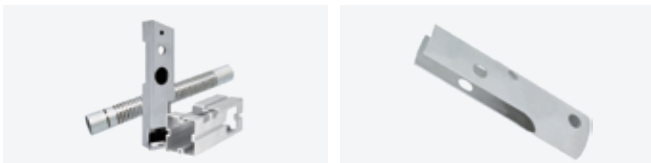


Performance Parameter

Processing range	
φ20-180mm, □20-180mm (Optional: φ20-110mm, □20-110mm)	
Max. load capacity	Max. material length
260KG	12200mm
Max. speed (A,B axis)	X/Y axis rapid traverse speed
120r/min (Optional: 150r/min)	120m/min

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications



Agricultural and Forestry Machinery

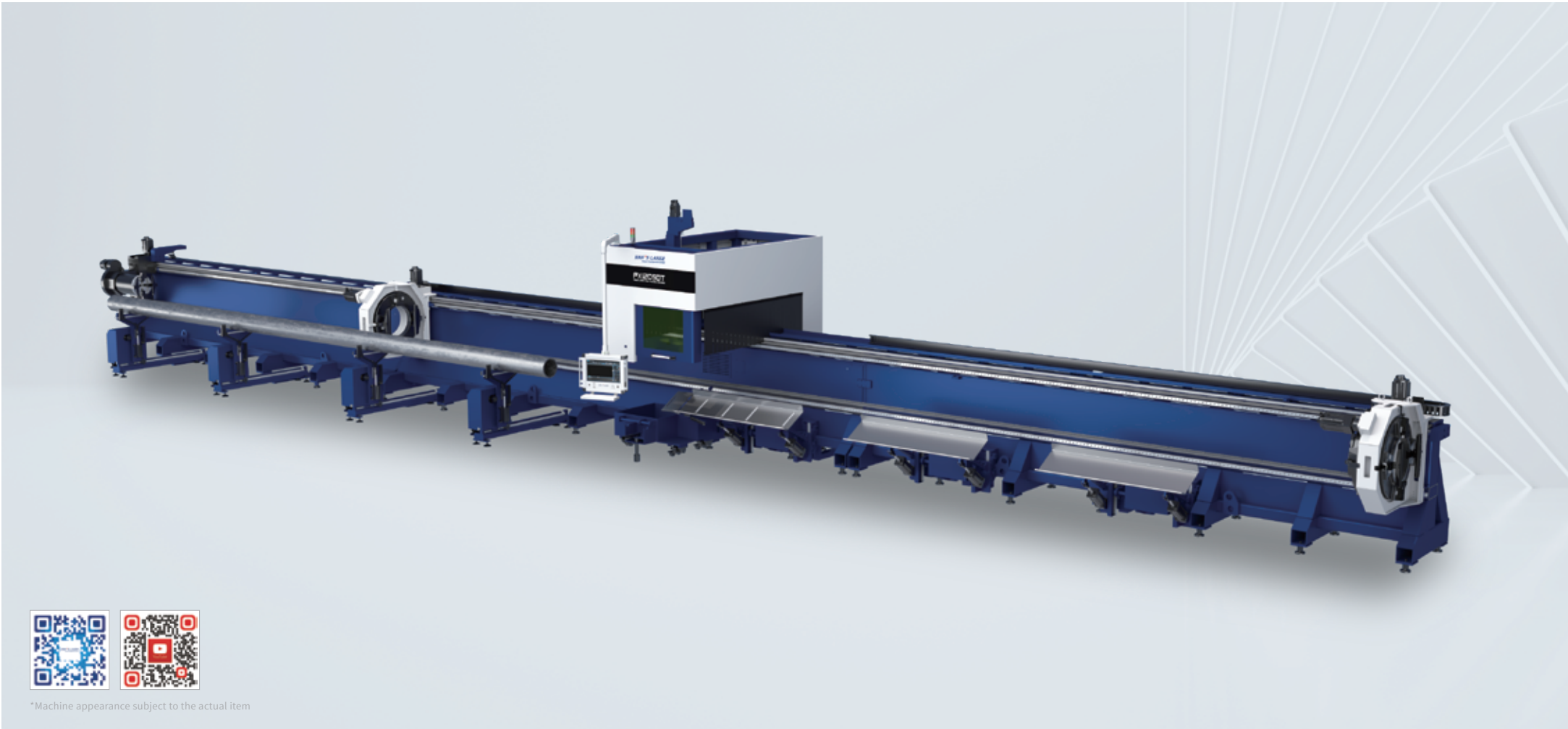


Fitness Equipment



Kitchenware and Sanitary Ware

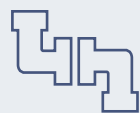
PX Series | Large Weight Fiber Laser Tube Cutting Machine



* Machine appearance subject to the actual item



Product Features



Real "0" leftover for heavy tubes and profiles



Maximum load of 1500kg



Bus control technology for fast response and high efficiency

Performance Parameter

Processing range

φ50-500mm, □50-350mm (Optional: φ20-360mm, □20-250mm)

Max. load capacity

1500kg

X/Y axis rapid traverse speed

60m/min

Max. material length

12000mm

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

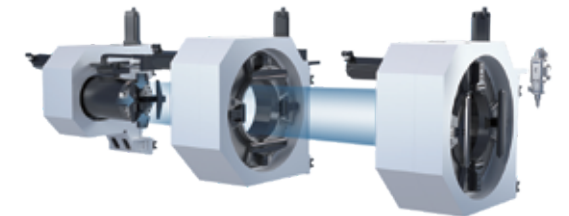
Sample



Technical Advantages

● Tri-chucks heavy duty tube cutting machine

Heavy tubes and profiles processing with real "0" leftover; heavy tube processing technology, maximum load 1500KG; bus control technology, fast response and high efficiency.



● Four-chuck heavy-duty tube cutting machine

The advantage of the four chucks is that the material can be placed in any area within the stroke range. The four chucks can be used to change direction of cutting, and a variety of holding methods can be used to achieve "0" scrap easily. Intelligent management system conduct orderly output, preventing collision and injury from tube falling.



Industrial Applications







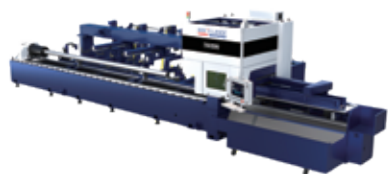
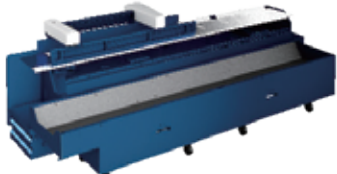
Rail Transportation

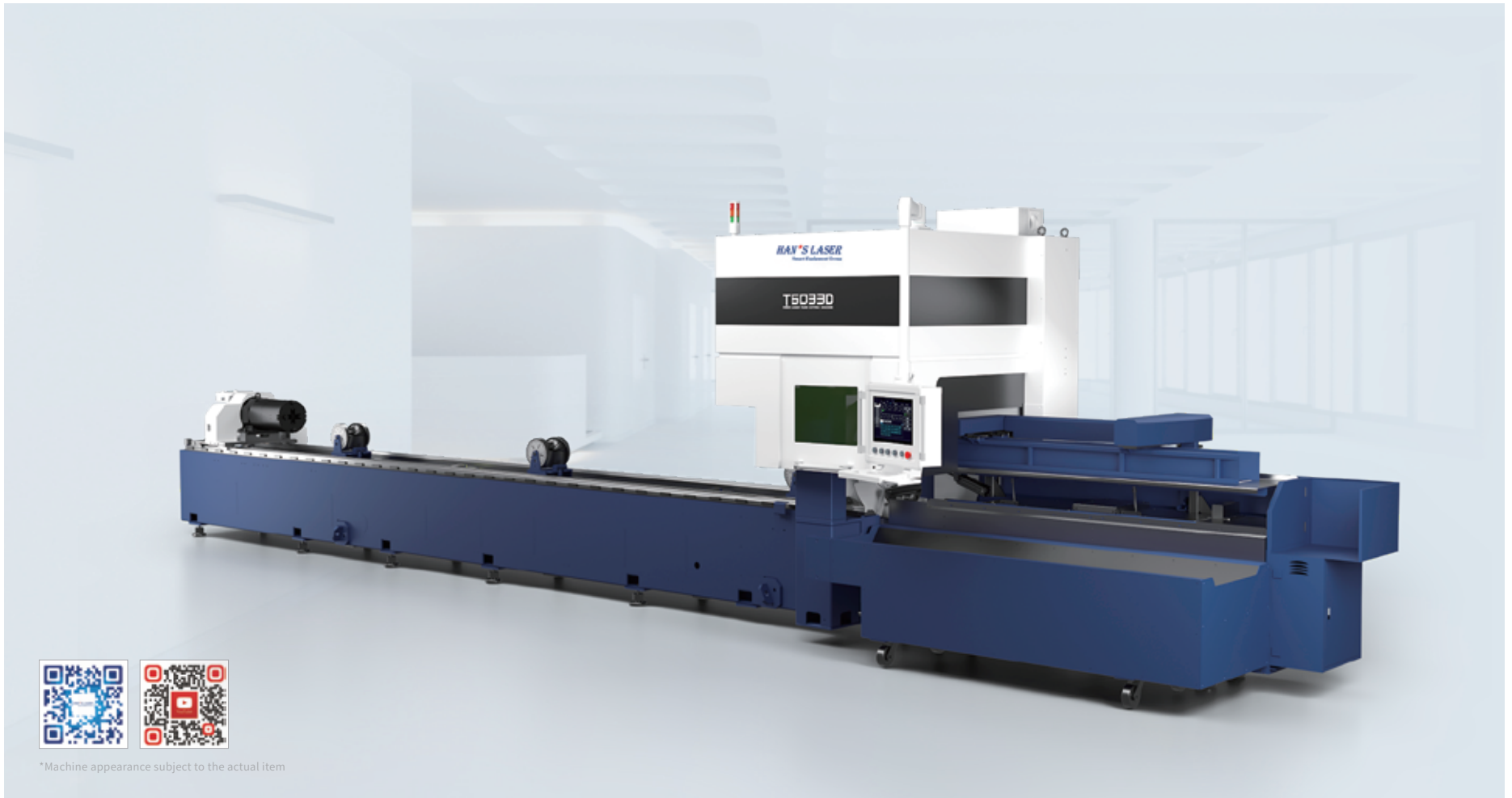


Oil Industry

TD Series | Fiber Laser Tube Cutting Machine

Modular Design, Free Combination

	
● Manual loading	● 2m fixed unloading
	
● Semi-automatic loading	● 2.5m floating unloading
	
● Automatic loading	● 4m floating unloading




Performance Parameter

Processing range	Max. load capacity
φ20-330mm □20-230mm (options: φ20-220mm □20-150mm φ20-230mm □20-230mm)	300kg (optional 150kg)
X/Y axis rapid traverse speed	Max. unloading length
100m/min	4000mm

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

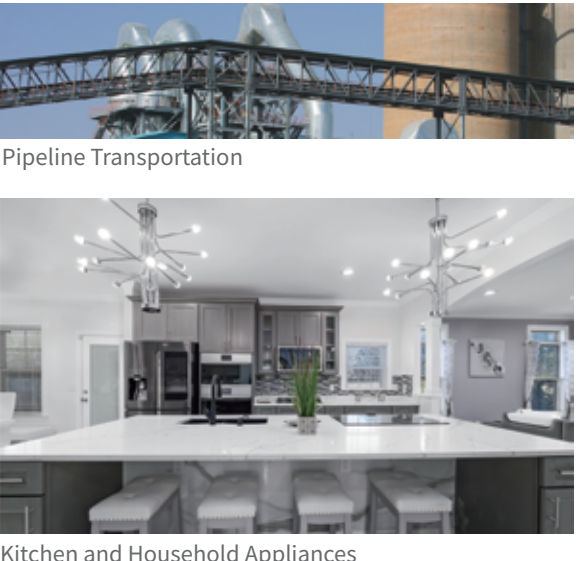
Product Features

 Tube cutting machine for majorities	 Productivity upgrading	 Make tube-cut and loading easier	 Freely combined load and unload module
--	---	---	---

Sample



Industrial Applications



T Series | Small Diameter Laser Tube Cutting Machine



Sample



*Machine appearance subject to the actual item

Product Features

Double-roll jaw chuck with shorten leftover

Extendibles chuck for stable operation

Integrated electrical cabinet with safetyguard

Diversion Tube loading method



Performance Parameter

Processing range	Machine weight	Dimension (LxWxH)
φ10-80mm □10-80mm (options: φ10-120mm □10-120mm)	3500KG	10500mmX2500mmX2100mm
Applicable tube specifications	Single tube load	
φ30-φ120mm □30-□120mm	60Kg (≤10Kg per meter)	

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Industrial Applications



Agricultural Machinery



Rail Transportation

HBC/HBS Series | Bending Machine



Performance Parameter

Nominal pressure	Foldable width	Slider stroke	Table height
600kN-10000kN	1500mm-6000mm	215mm-315mm	575mm-635mm
Depth	X-axis positioning accuracy	X-axis repeat positioning accuracy	
350mm-500mm	±0.01mm	±0.02mm	

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Performance Improvement

20%
SPEED

↑

25%
PRECISION

↑

15%
STRENGTH

↑

45%
FAILURE

↓

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Product Features

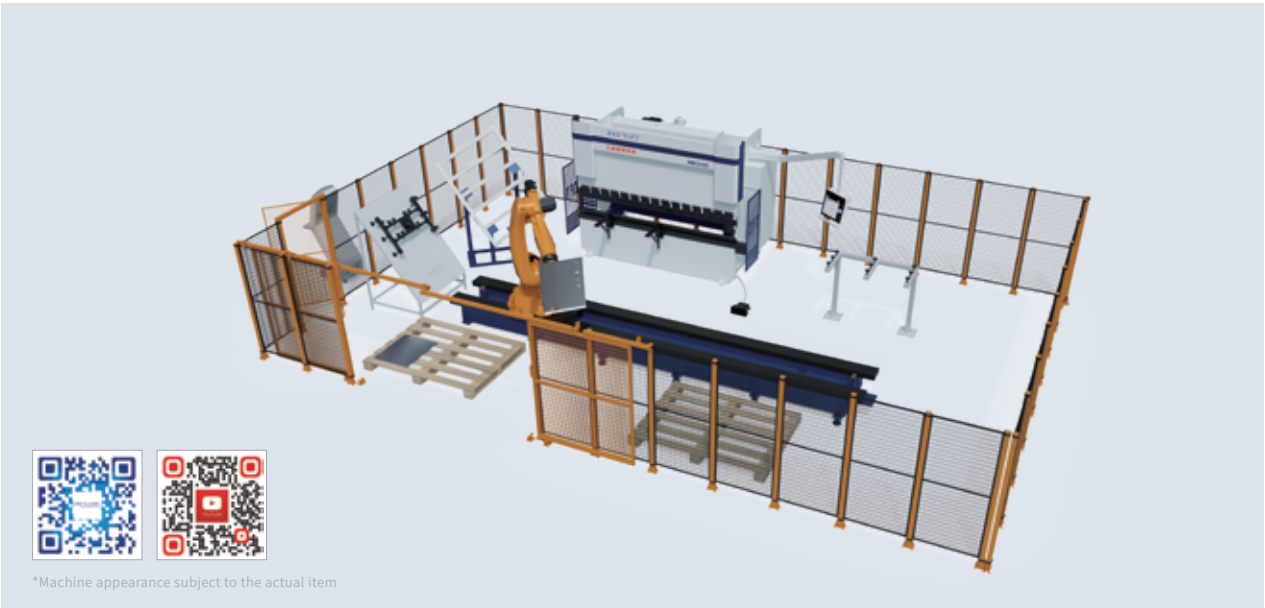
Servo motors cylinder
Less oil consumption

Standard design
for various applications

Intelliengt
Crowning system

Automated
robotic bending

Robotic Bending Cells

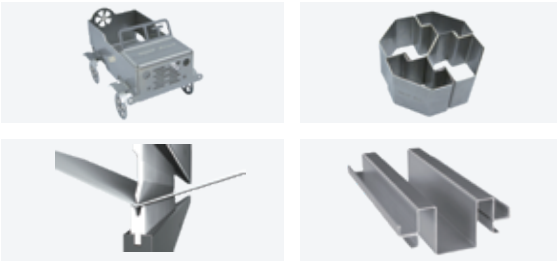


Performance Parameter

Max. workpiece size	Repeatability	Axis	Robot load
2500X1250mm	±0.2mm	6 axis	80kg
Max. movable radius	Weight	Max. workpiece weight	
2565mm	520kg-740kg	40kg	

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications



Kitchen and Household Appliances



Office Furniture



Electrical Enclosure

Performance Parameter

24-hour fully automated production

Accurate positioning and good repeatability

Pneumatic suction cup gripping

Reduce labor intensity

MPS Precision Series | Small Format Precision Laser Cutting Machine



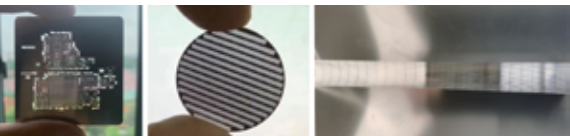
Industrial Applications



5G Industry



PCB Circuit Board Industry



SMT Stencil Industry



*Machine appearance subject to the actual item

Performance Improvement

20%

SPEED

↑

30%

PRECISION

↑

10%

STRENGTH

↑

15%

FAILURE

↓

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W)	X/Y axis repeatability	Max. positioning speed
600 X 600mm (Format 700x600/800x600mm)	±0.03mm	48m/min
Max. acceleration	Max. loading capacity	
3.0G	25kg	

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Product Features

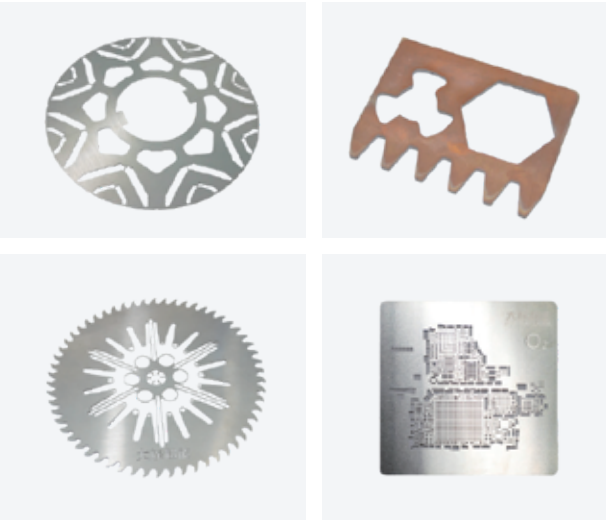
Speedy and precise motion control system

Full envelope protection design

Support automation supporting function

Easy maintenance and low cost of use

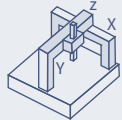
Sample




MPS-H Series | Fiber Laser Cutting Machine




Product Features




Gantry double-drive
integral welded bed



Motion management
humanized operation



Servo motor double-drive
precision reducer



Advanced gas circuit
control system design



*Machine appearance subject to the actual item

Performance Improvement

30%
SPEED



20%
PRECISION



15%
STRENGTH



30%
FAILURE



*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W) 6000 X 2500mm (Format 8000x2500mm)	X/Y axis repeatability ±0.03mm	Max. positioning speed (X/Y axis) 160m/min
Max. acceleration 1.5G	Max. loading capacity 6000kg	Maximum weight of machine tool 18t

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications



Steel Structure Industry



Metal Fabrication

MPS-D/C series | Fiber Laser Cutting Machine



Sample



*Machine appearance subject to the actual item

Performance Improvement

35%
SPEED



25%
PRECISION



40%
STRENGTH



30%
FAILURE



*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W)

3000X1500mm (Format 4000x2000/6000x2000mm)

Max. acceleration

1.2G

X/Y axis repeatability

±0.03mm

Max operating speed

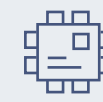
120m/min

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Product Features



Single-table laser cutting machine combined



Effective and precise motion control system



Integrated machine with small foot print



Low cost of use for easy maintenance

Industrial Applications



Metal Fabrication



Steel Structure Industry

MPS-T Series | Fiber Laser Tube Cutting Machine




Performance Improvement


25% SPEED  | **20% PRECISION**  | **30% STRENGTH**  | **30% FAILURE** 

*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab


Product Features




Pneumatic chucks
3x times faster



Wheel-assisted loading
Smooth feed



Collaborative dust-proof
chucks, auto-centering



Optional 2m and 4m,
automatic loading

Performance Parameter

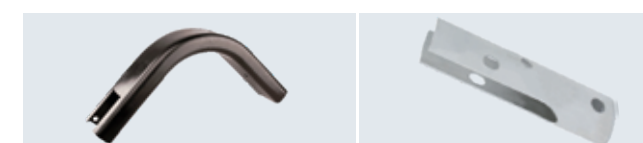
Chuck holding range $\phi 15-220\text{mm}$ □ 15-150mm X/Y axis positioning accuracy $\pm 0.05\text{mm/m}$

X/Y axis rapid traverse speed
110m/min

Max. tube length
semi-automatic 6100mm; manual 6500mm

* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample



Industrial Applications



Steel Structure Industry



Rail Transportation

MACHINING CENTER

About Han's Laser Machining Center

The machining center of Han's Laser Smart Equipment Group is equipped with a variety of international high precision production and testing equipment, which can quickly deliver large and small batch customized products and provide professional and comprehensive total solutions for our customers.

Large parts processing

Equipped with Japanese Mitsubishi large five-axis gantry machining center and high power laser cutting machine.

Small parts processing

Equipped with Zeiss and Hexagon coordinate measuring machine to inspect the core parts of the equipment, the measurement error is less than 0.002.

230 sets

High precision CNC equipment

6000 m²

Workshop space

1200 sets

Standard cutting machine parts

35 sets

Precision processing equipment

27 sets

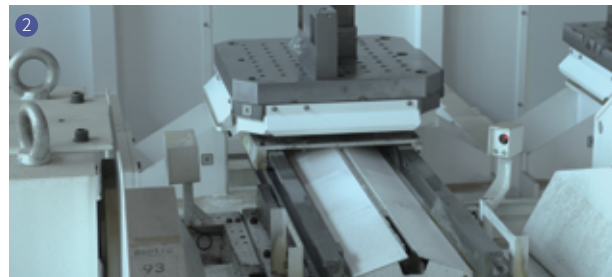
General processing equipment

60,000 pieces

Annual output

Ingenious, intelligent and refined

Equipped with more than 160 sets of high-end CNC machining machines and high-precision testing equipment such as Mitsubishi, DMG, Mazak, etc.



1. Japan Mitsubishi full series of gantry machining center 12 sets, to achieve 14M one fiber laser cutting machine 0.07mm, bed precision manufacturing.

2. Japan Mazak 24 hours unmanned full white motion lying plus line, can realize large and small quantities of customized products quickly delivered.

3. Germany DMG five-axis machining center to overcome the technical barriers of curved and shaped parts, to achieve the urgent needs of special equipment for high precision parts.

4. Hexcon coordinate measuring machine Germany ZEISS coordinate measuring machine and other testing equipment, measurement error is less than 0.002.

Core Technologies

Han's Laser Smart Equipment Group has gathered a team of experts in the fields of optics, materials, electrical, mechanical and software, independently develop and research three major components.

● CNC control system

A complete set of intelligent control system solutions with HAN'S series CNC system



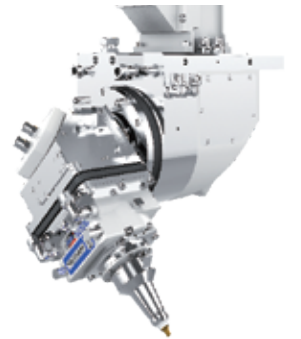
● Laser

Self-developed fiber laser, strong anti-reflection ability, wall-plug conversion efficiency up to 40% or more.



● Laser head

We have more than 30 types of focusing heads, which are widely used for cutting flat plates, tubes, 3D parts and various metal plates.



Pre-Sale - In-Sale - After-Sale

180+

We have more than 180 offices at domestic country and overseas market

24H

To provide timely, efficient, systematic localization and convenient services for new and loyal customers



To provide for new and loyal customers and offer turnkey project

Vertical integration manufacturer of laser processing equipment

