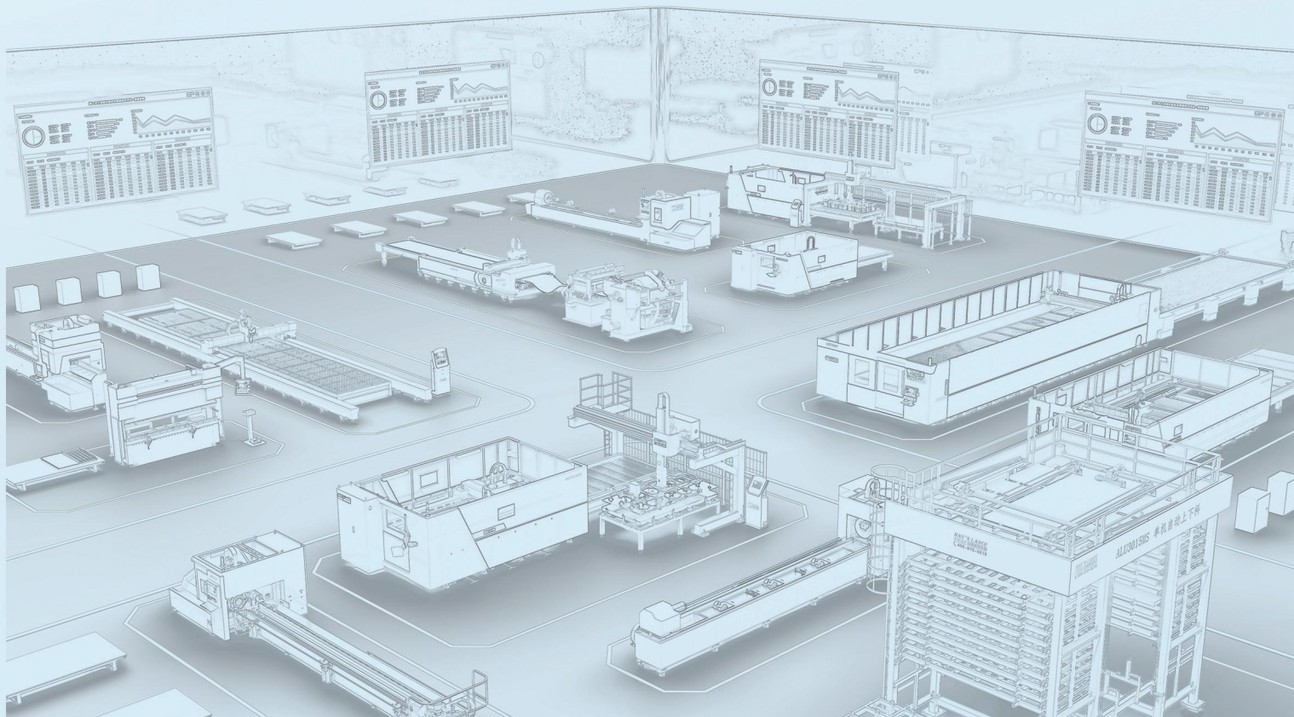
HAN'S LASER
Smart Equipment Group | A subsidiary of Han's Laser
002008:CH Shenzhen

Laser Automation
Smart Manufacturing

All-in-one solutions



Han's Laser Smart Equipment Group Co., Ltd.

Add: 128 Chongqing Road,Han's Laser Global Production Base, Baoan District,Shenzhen,China 518000

Web:www.hansme.net E-mail:zhangxj141444@hanslaser.com

www.hansme.net

@hanslasermartequip-mentgroup

Data subject to change , thanks for your comprehension.

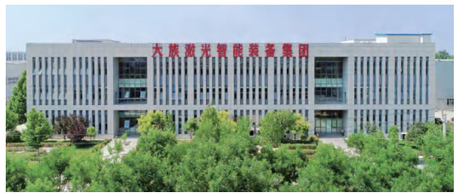
INTRO

Global Manufacturing Hub


Headquarters


2nd Global Manufacturing Hub

Changzhou Factory



Tianjin Factory


Hunan Factory

Zhangjiagang Factory

Dallas Factory,USA

APPLICAT-IONS

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

2004

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

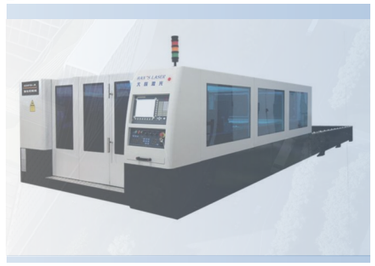
2001

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

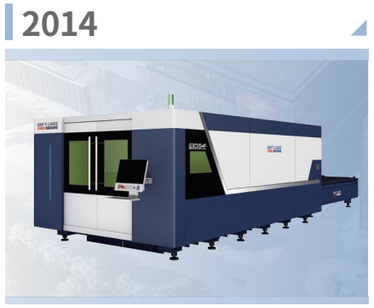


The first R&D high-power fiber laser cutting machine prototype

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

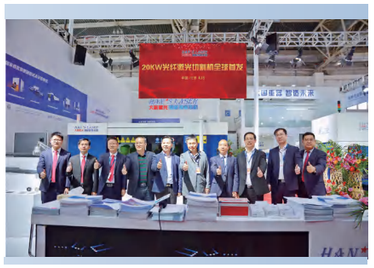
2017

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

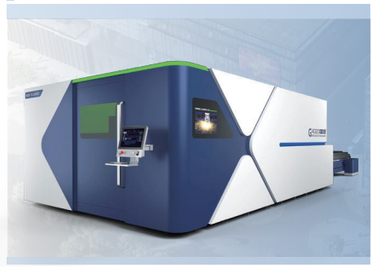
2020

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

2020

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

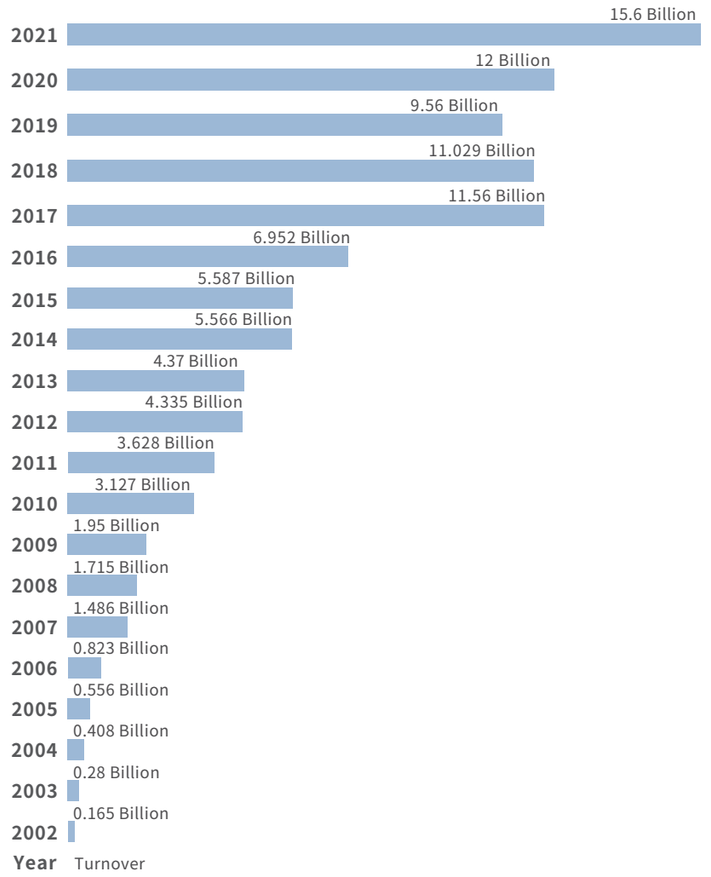
2022



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

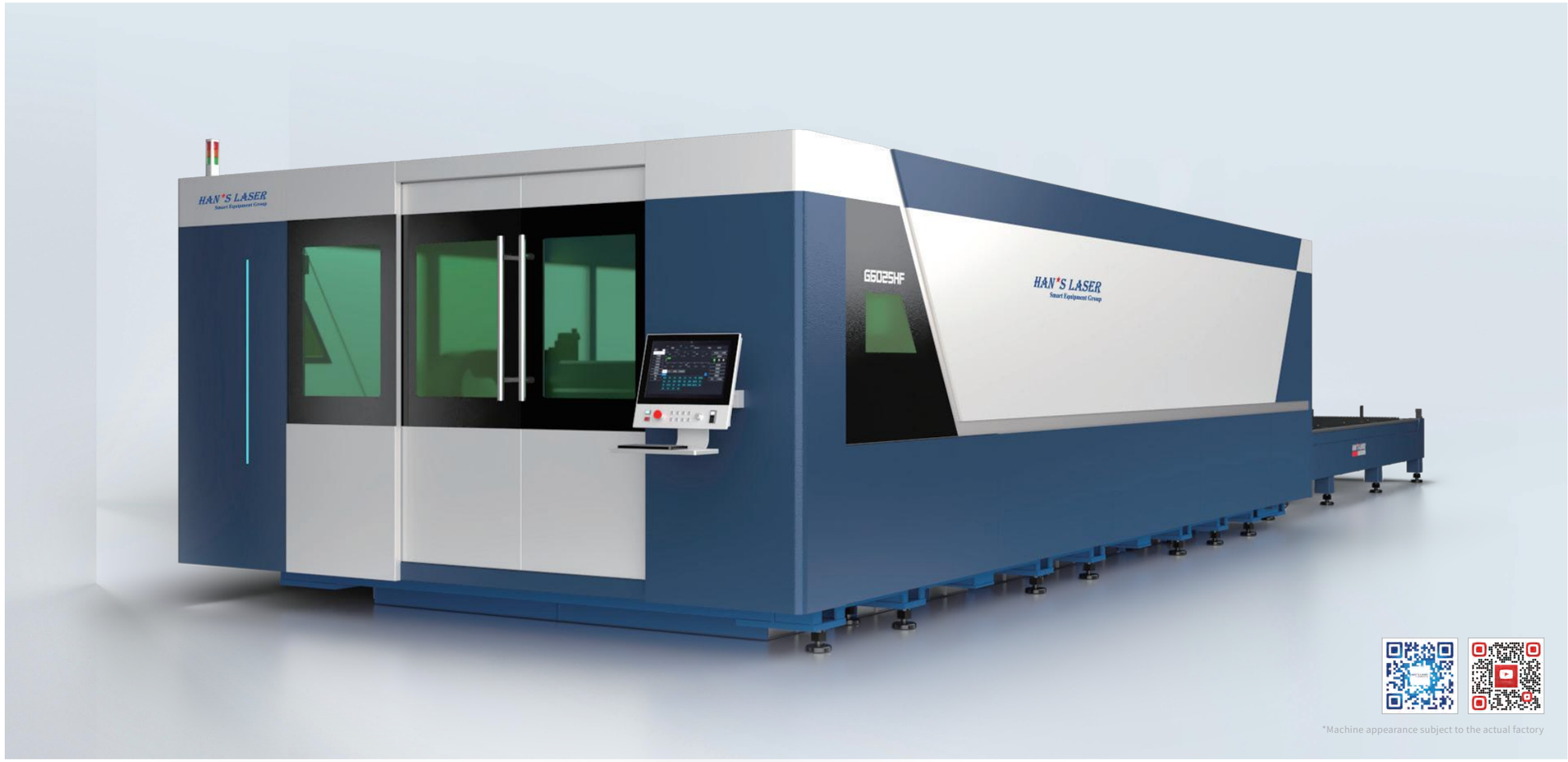
Growing market

Sales revenue in RMB



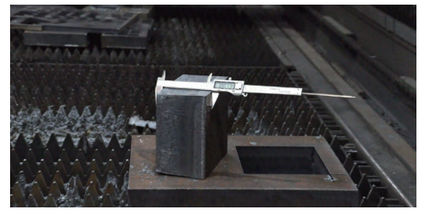
Contents

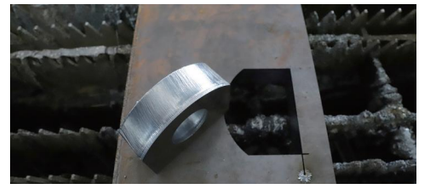
HF Series | High-Speed 2D Fiber Laser Cutting Machine

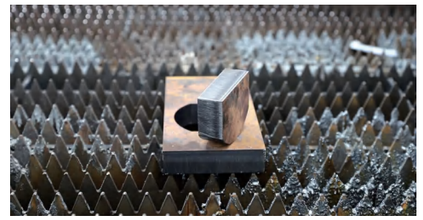


*Machine appearance subject to the actual factory

Sample







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)

6000 X 2500mm (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

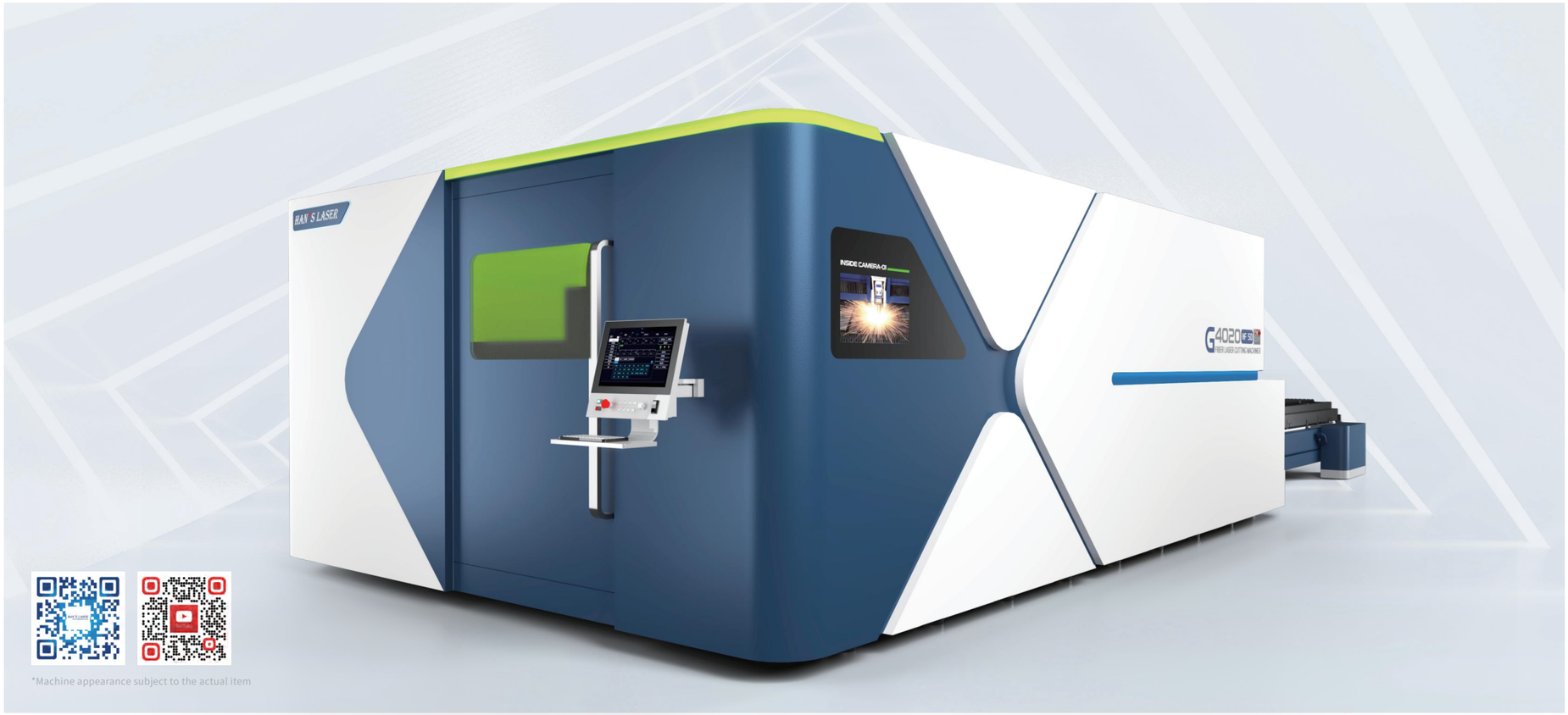
- Reliable mechanical design
- Reliable core components
- Self-developed CNC system
- Laser application database

Industrial Applications

Steel Structure Industry

Construction Machinery

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



*Machine appearance subject to the actual item

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

Performance Improvement

240% ↑ SPEED

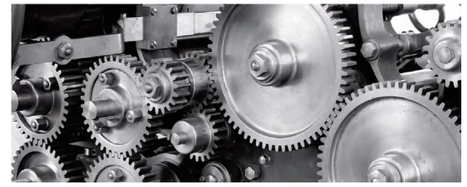
80% ↑ PRECISION

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

Industrial Applications



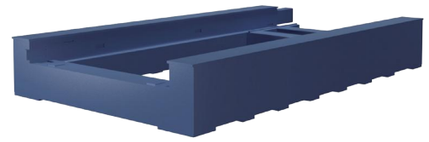
Metal Fabrication

Rail Transportation

Techincal advantages

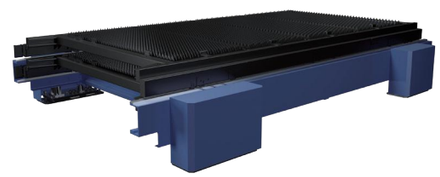
- **Hollow mono-block bed structure**

  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



Product Features

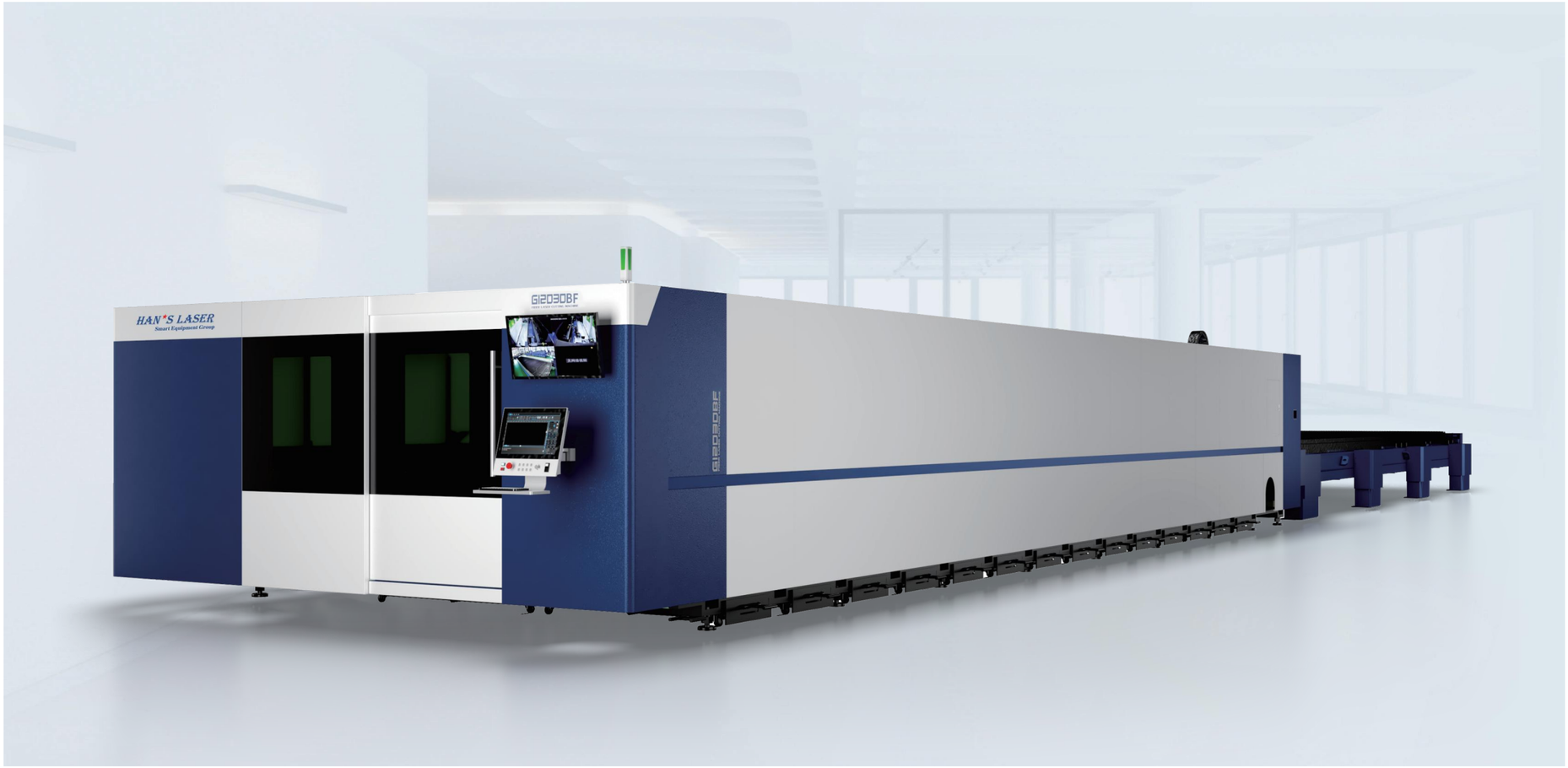
Magnetic levitation drive structure

Ultra-high speed ultra-high precision

Reliable key function parts (EU quality)

Sample

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

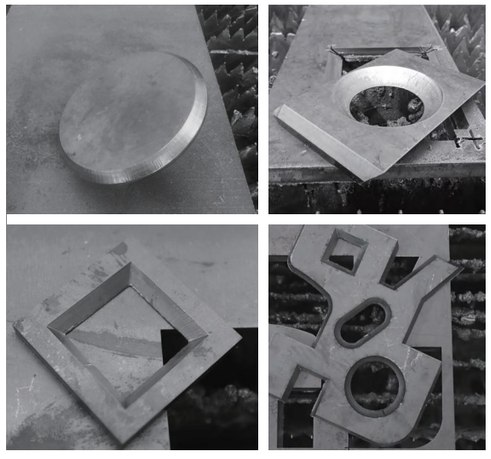
*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

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

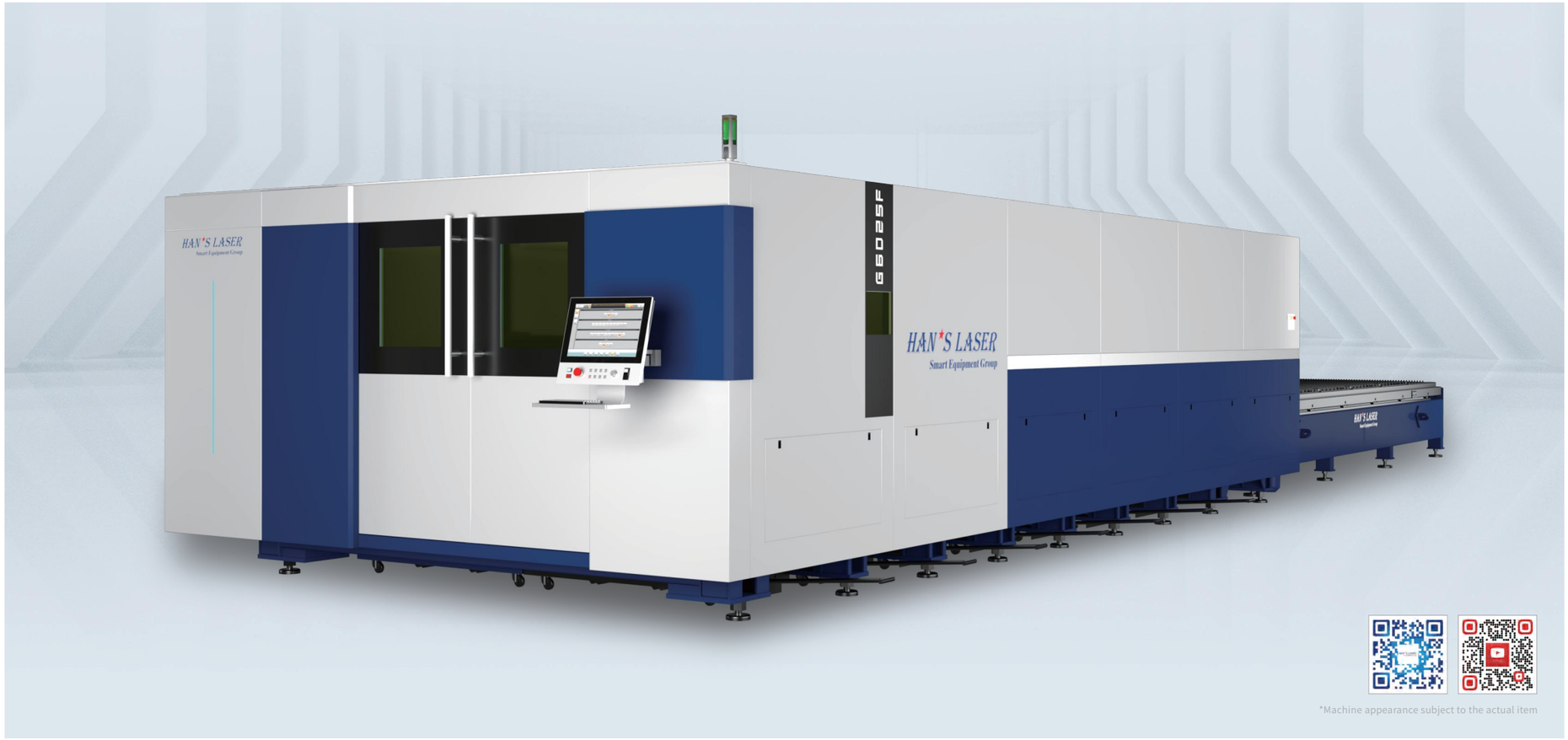


Industrial Applications

Construction Machinery

Steel Structure Industry

F Series | Fiber Laser Cutting Machine



*Machine appearance subject to the actual item

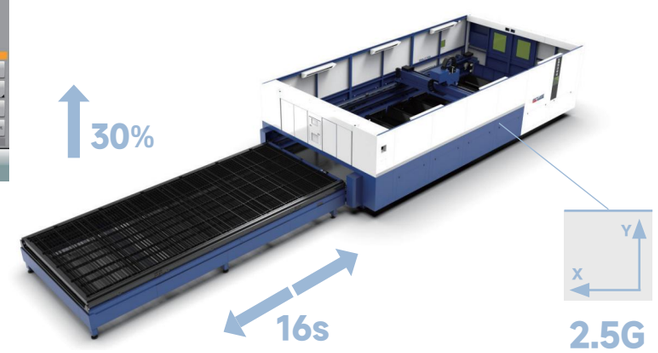
Product Features

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)
6000mm X 2500mm (Format 3000x1500/4000x2000/6000x2000/8000x2500/10000x2500/12000x2500/13000x3000mm)

X/Y axis repeatability	Max. positioning speed (X/Y axis)
±0.03mm	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

*Machine appearance subject to the actual item

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)

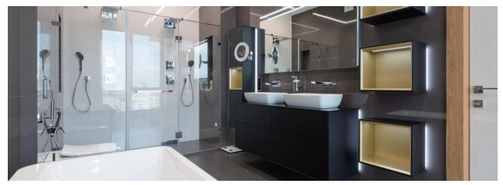
6000mm X 2500mm(Format 3000x1500/4000x2000/6000x2000/8000x2500/10000x2500/12000x2500)

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



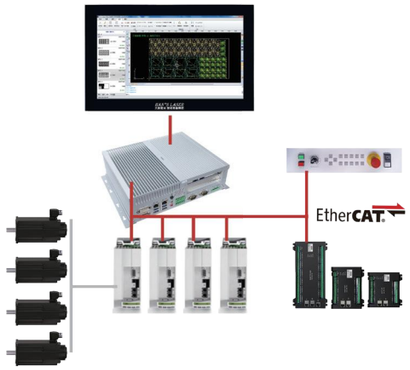
Kitchenware and Sanitary Ware

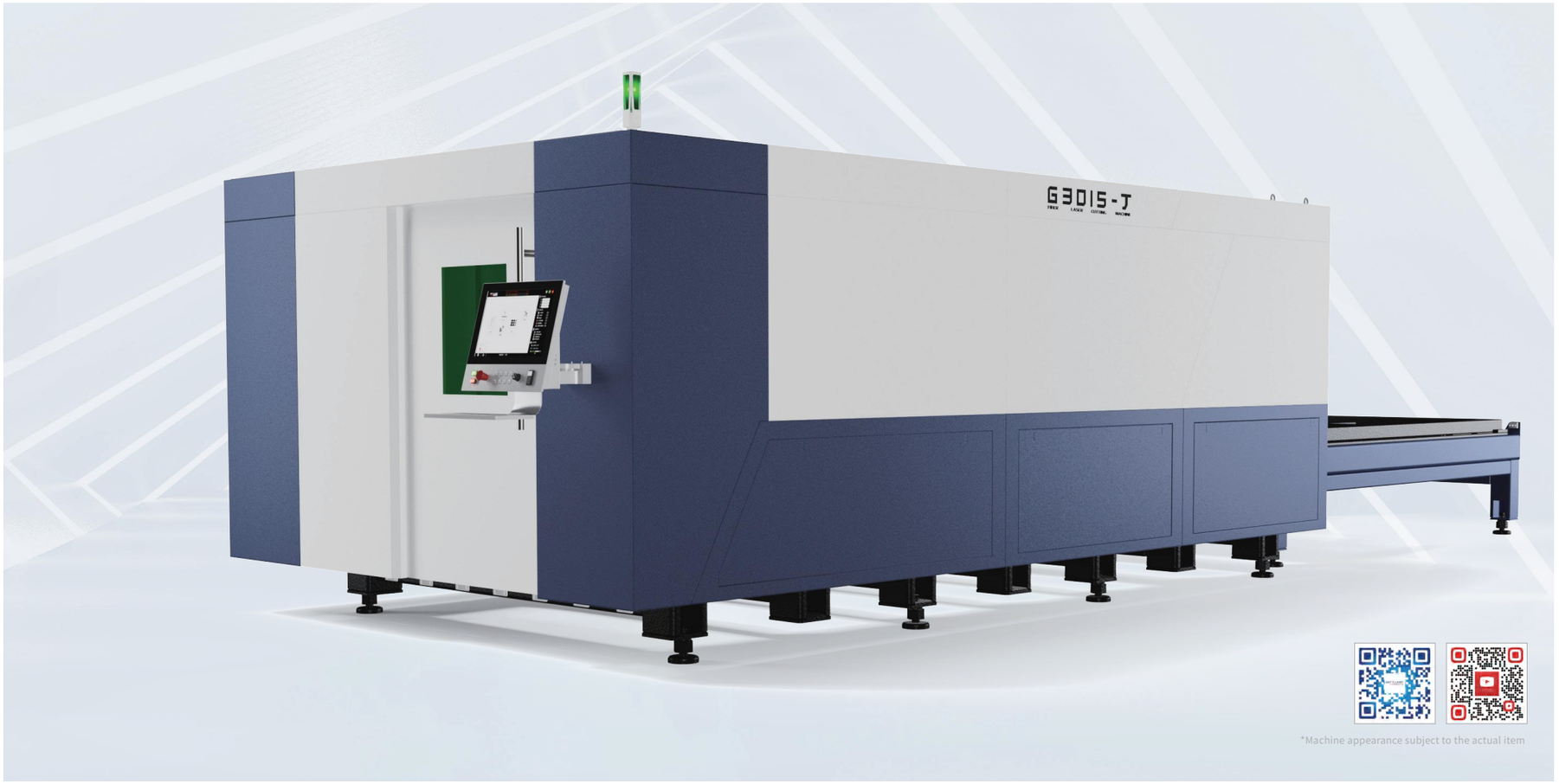
Metal Fabrication

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

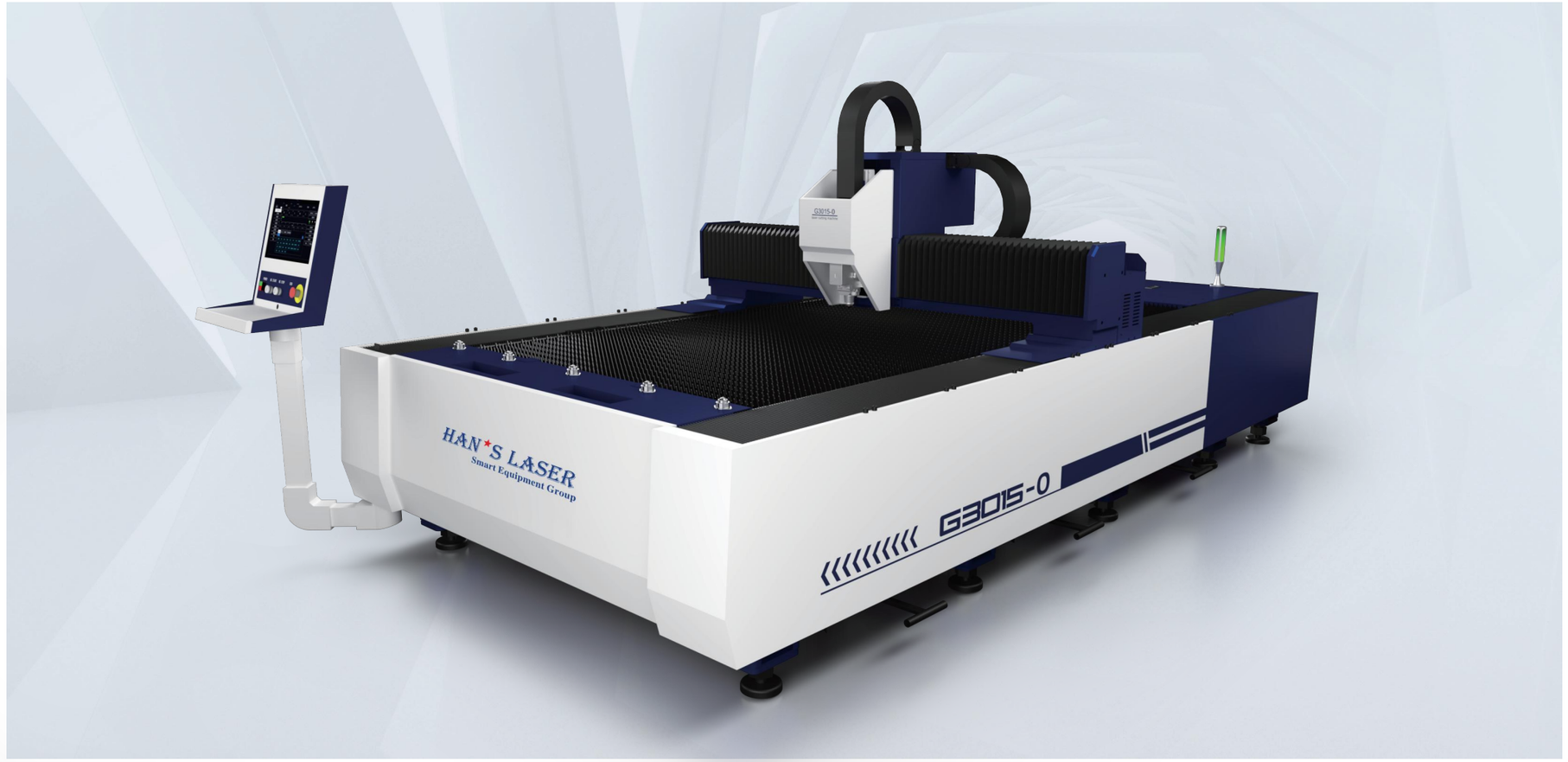
Construction Machinery

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

- Simple operation
- Compact and practical small footprint
- Speed-precision -automation
- Productivity efficienty

Sample

Performance Improvement

25%	30%	35%	40%
SPEED	PRECISION	STRENGTH	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

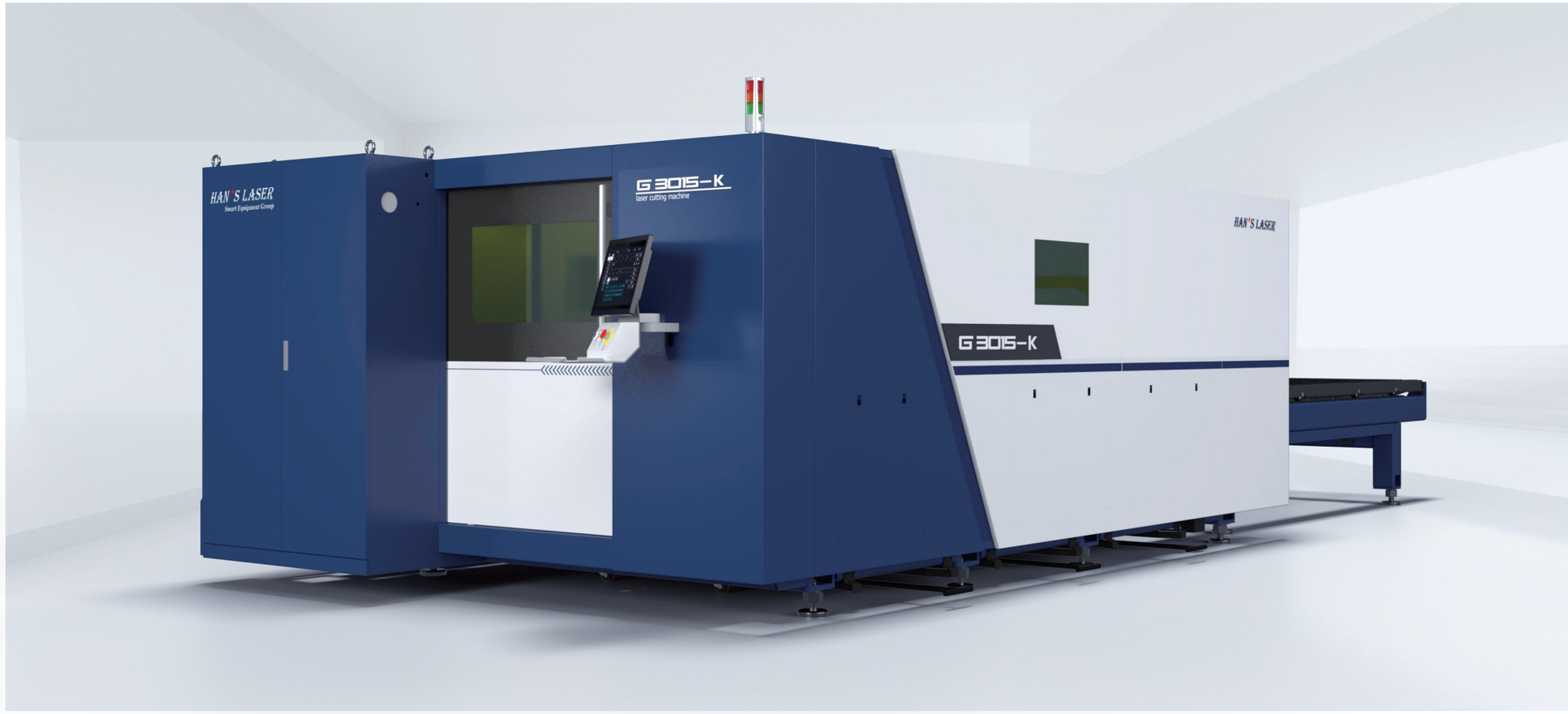
X/Y axis repeatability	X/Y axis positioning accuracy
±0.03mm	±0.05mm/m

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

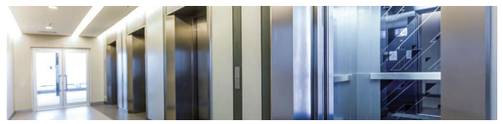
Sample

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

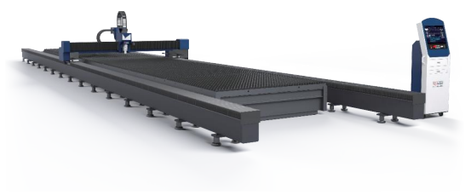
CNC system drives servo motor by 0±45°

Optional groove cutting function

*Machine appearance subject to the actual item

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)	
26000mm X 3500mm (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

Techincal 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 ↓

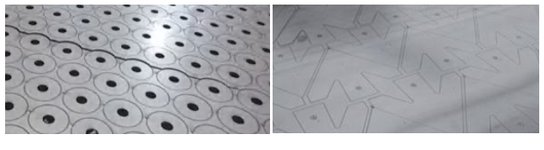
*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W)	
16000mm X 3000mm (custom, X-axis 12m-16m, Y-axis2.5m-3m)	
Max. simultaneous positioning speed (X/Y axis)	
100m/min	
Machine weight	Dimension (LxWxH)
21.5 t	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

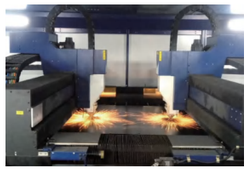
Construction Machinery

Rail Transportation

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

Techincal Advantages

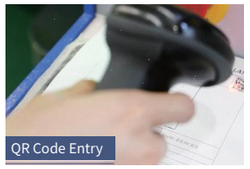
Single/dual laser head dynamic cutting
Shorter cutting time and better efficiency



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

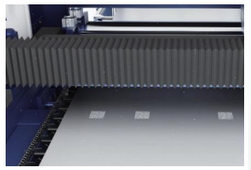
Residue crushing function
Convenient remnant recovery

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

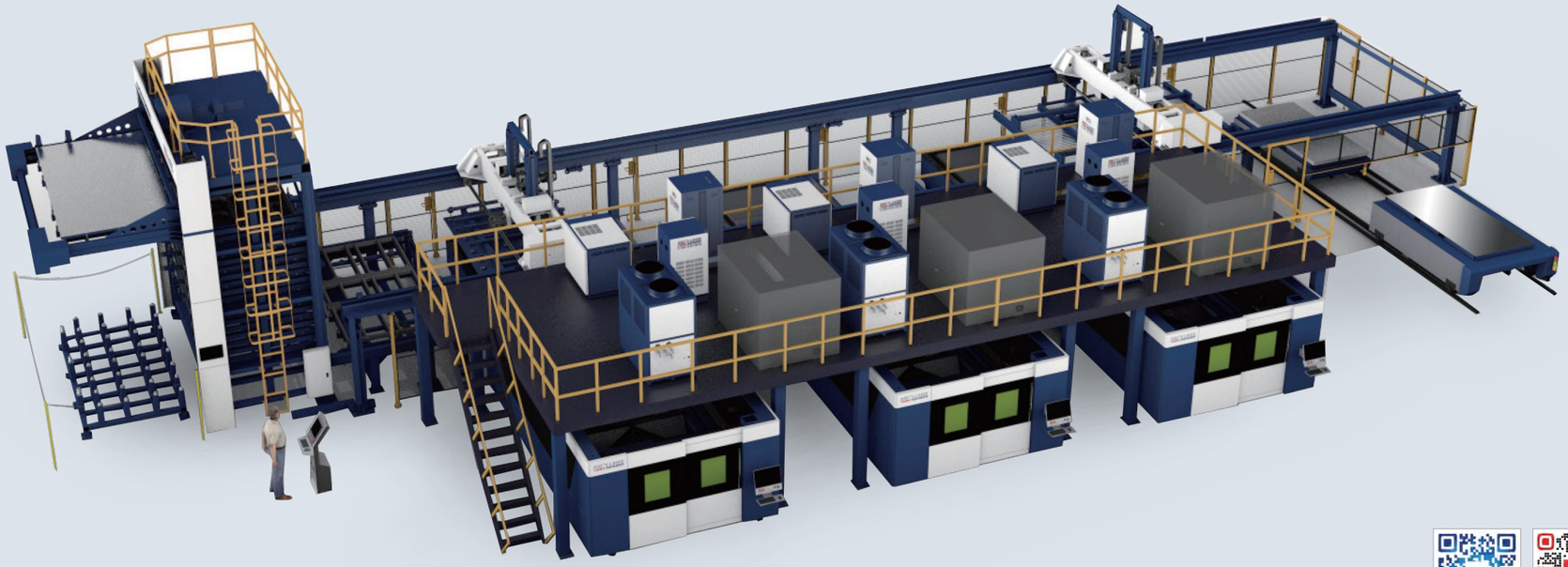
Sample

Industrial Applications

Automotive Parts Blanking Industry

Metal Cabinet Industry

Laser Automation | Automatic Laser Production Line



*Machine appearance subject to the actual item

Techincal 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 indepedent 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 intergration, reserved for interface

SLU3015-C laser automation

ALU4020-B 1 for 2 machines

ALU3015-B loft-type automation

Performance Parameter

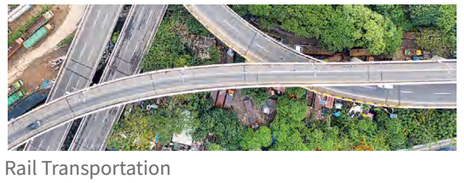
Max. moving speed	Max. load capacity of sorting table
50-60m/min	4t
Max. sheet size	Number of layers
8000*2500	10/12/15 floor (Optional according to workshop height)
Max. lifting speed	
6-12m/min	
Max. speed of sorting table level	
20m/min	
Max. load per shelf	
3t	

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-procesing lines

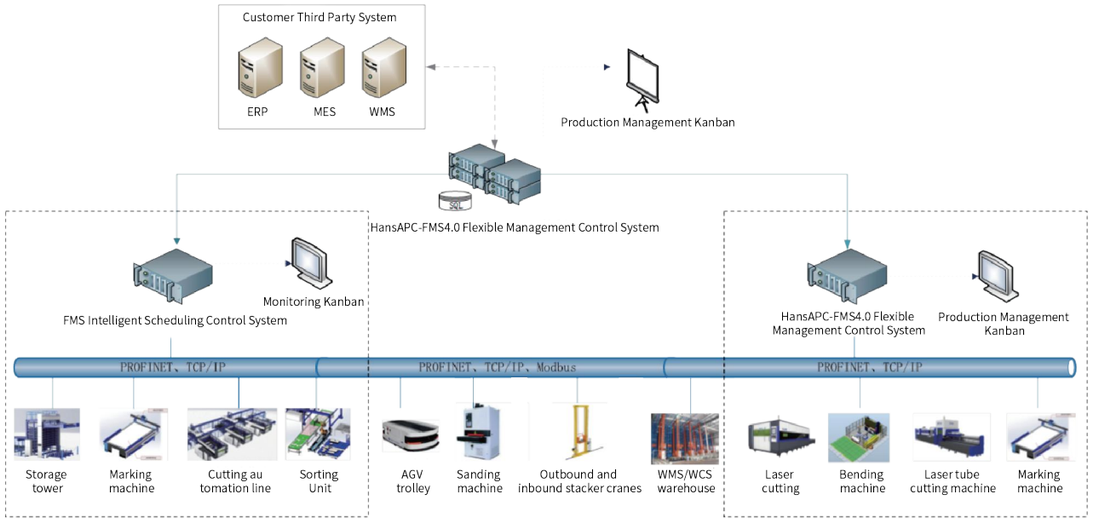
RestFul API accept external integration

Support process route, order multi-process split ordering

Open-system for all platform and equipement

*Machine appearance subject to the actual item

HANSAPC-FMS4.0 Flexible Management Control System



Customer Site

Industrial Applications

Petroleum machinery

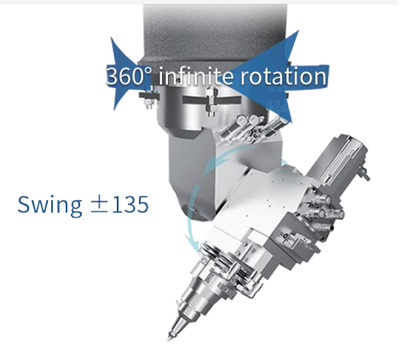
Rail Transportation

Construction Machinery

WD Series | 3D Five-axis Laser Cutting Machine

*Machine appearance subject to the actual item

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

Automobile Industry

Construction Machinery

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

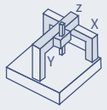
Max. speed(X/Y/Z axis)	Machine weight	Control system
100m/min	15000KG	Siemens/Rexroth

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 possiblities

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

Techincal 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

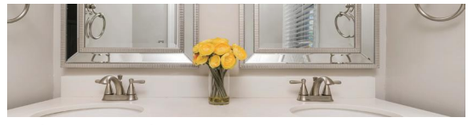
* Different specifications are available on demand, and all technical parameters are subject to the technical solutions provided

Sample

Industrial Applications

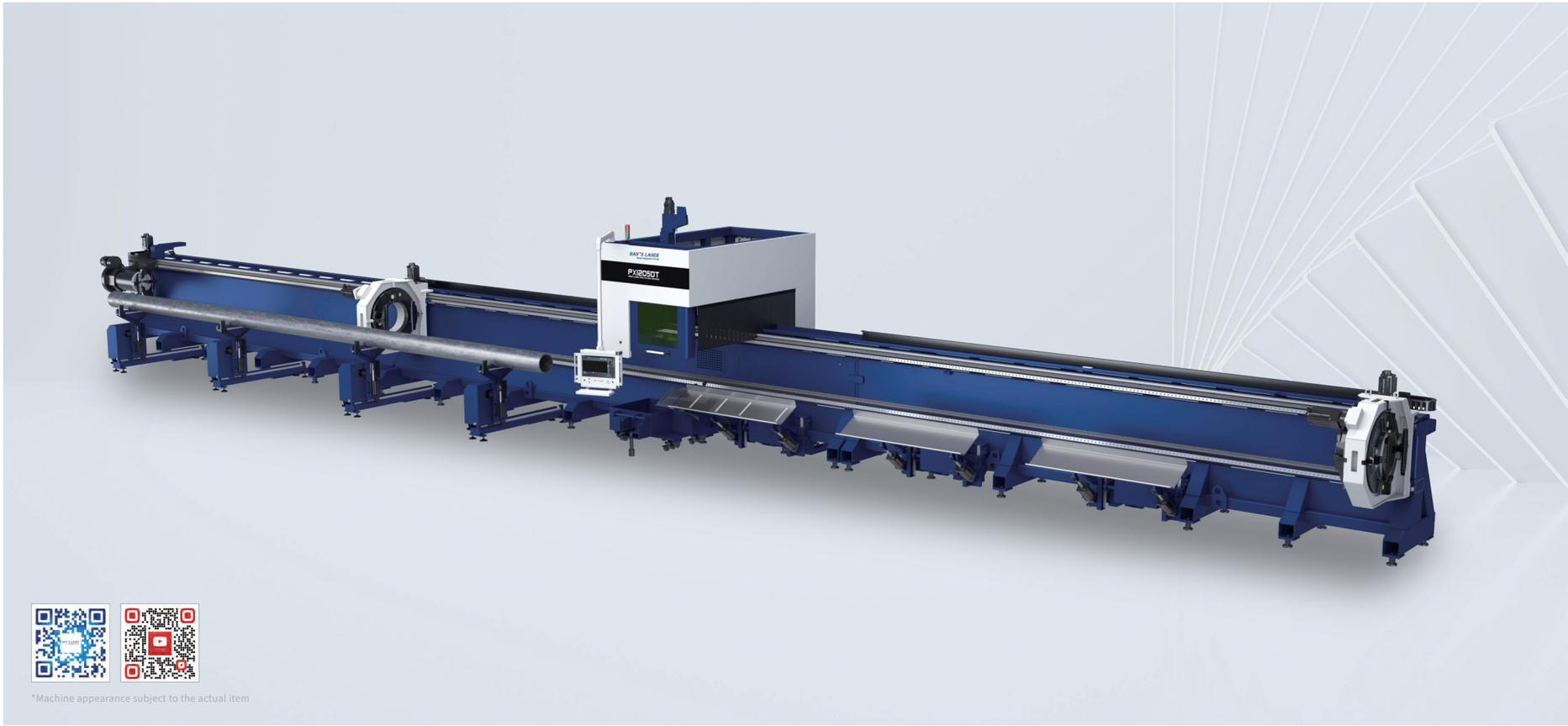
Agricultural and Forestry Machinery

Fitness Equipment



Kitchenware and Sanitary Ware

PX Series | Large Weight Fiber Laser Tube Cutting Machine

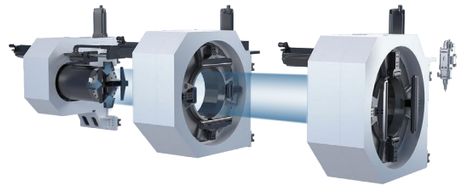


*Machine appearance subject to the actual item

Techincal 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.

Product Features

Real "0" leftover for heavy tubes and profiles

1.5T

Maximum load of 1500kg

24h

Bus control technology for fast response and high efficiency

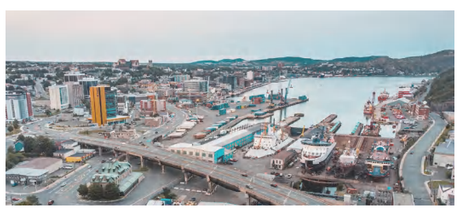
Performance Parameter

Processing range	
ϕ50-500mm, □50-350mm (Optional: ϕ20-360mm, □20-250mm)	
Max. load capacity	X/Y axis rapid traverse speed
1500kg	60m/min
Max. material length	
12000mm	

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

Sample

Industrial Applications



Rail Transportation

Oil Industry

TD Series | Fiber Laser Tube Cutting Machine

Modular Design, Free Combination

Manual loading

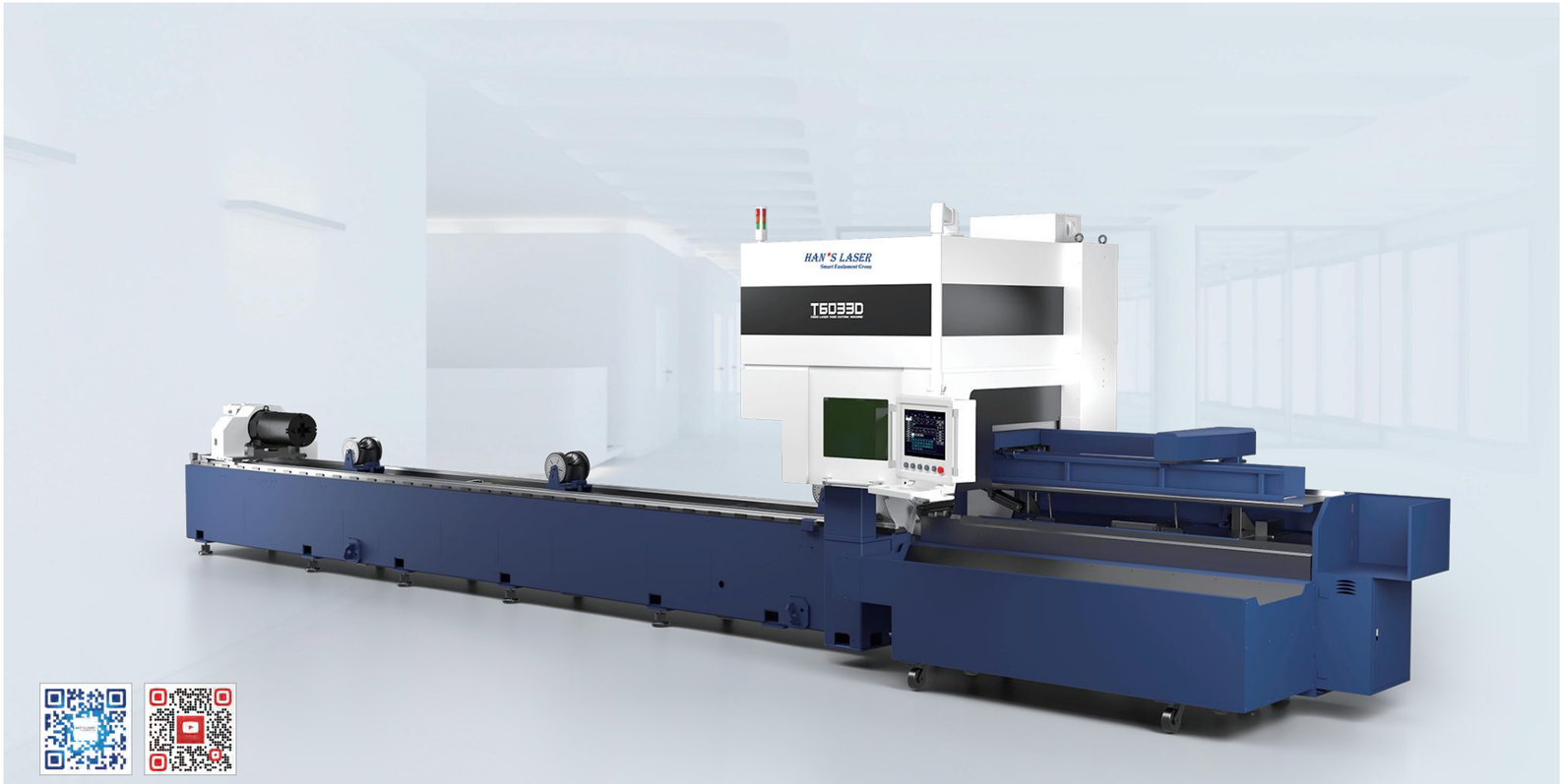
2m fixed unloading

Semi-automatic loading

2.5m floating unloading

Automatic loading

4m floating unloading



*Machine appearance subject to the actual item

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

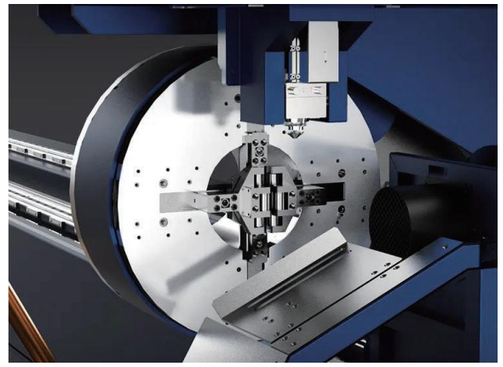
Sample

Industrial Applications

Pipeline Transportation

Kitchen and Household Appliances

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	10500mm X 2500mm X 2100mm

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

*Machine appearance subject to the actual item

Performance Parameter

Nominal pressure	Foldable width	Slider stroke	Table height
600kN-10000kN	1500mm-6000mmm	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

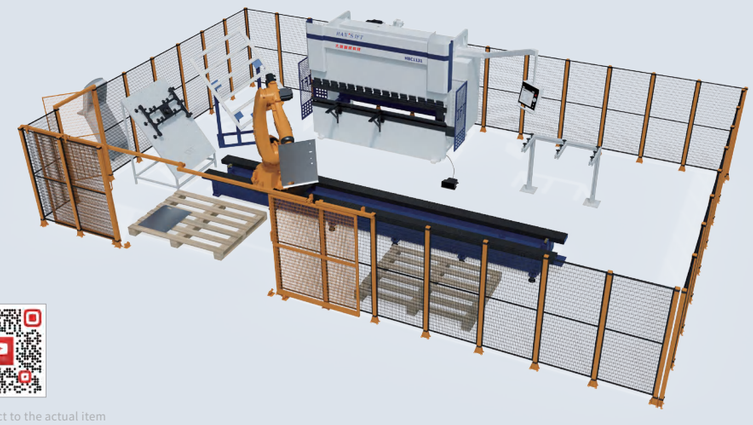
20% SPEED ↑ | **25%** PRECISION ↑ | **15%** STRENGTH ↑ | **45%** FAILURE ↓

*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
- Intelliegnt Crowning system
- Automated robotic bending

Robotic Bending Cells



*Machine appearance subject to the actual item

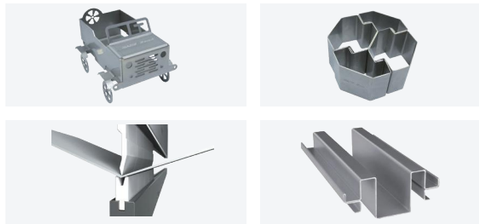
Performance Parameter

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



Performance Parameter

24-hour fully automated production
Accurate positioning and good repeatability
Pneumatic suction cup gripping
Reduce labor intensity

Industrial Applications

Kitchen and Household Appliances

Office Furniture

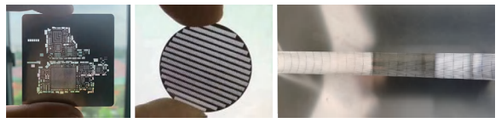
Electrical Enclosure

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
600X600mm (Format 700x600/800x600mm)	±0.03mm	48m/min

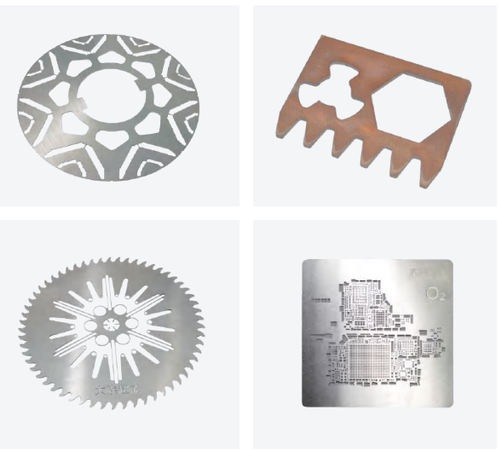
Max. acceleration	Max. loading capacity
3.0G	25kg

* 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% ↑	20% ↑	15% ↑	30% ↓
SPEED	PRECISION	STRENGTH	FAILURE

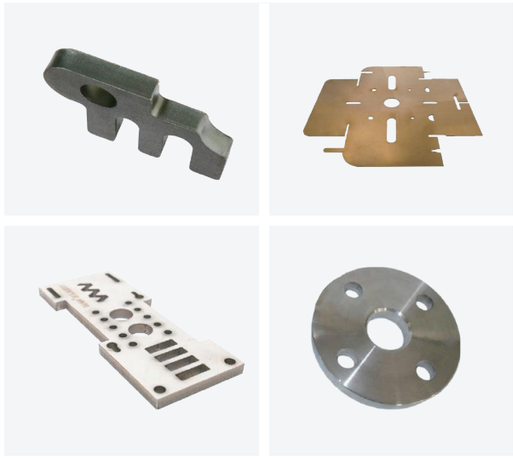
*The above data is based on the comparison of the previous generation of products, provided by the Han's Process Cutting Research Lab

Performance Parameter

Processing area (L x W)	X/Y axis repeatability	Max. positioning speed (X/Y axis)
6000 X 2500mm (Format 8000x2500mm)	±0.03mm	160m/min
Max. acceleration	**Max. loading capacity**	**Maximum weight of machine tool**
1.5G	6000kg	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	X/Y axis repeatability	Max operating speed
1.2G	±0.03mm	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

*Machine appearance subject to the actual item

Semi-automatic loading

Rear chuck

Front chuck

Support unloading

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	X/Y axis positioning accuracy
ϕ15-220mm □15-150mm	±0.05mm/m

X/Y axis rapid traverse speed

110m/min

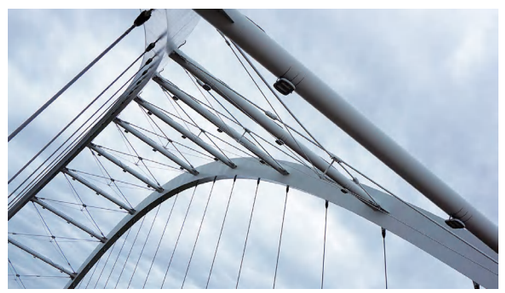
Max. tube length

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.

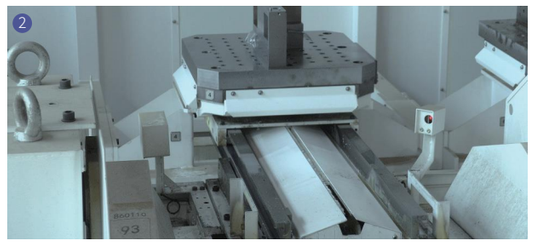
Small parts processing

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 unattended 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 Techologies

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

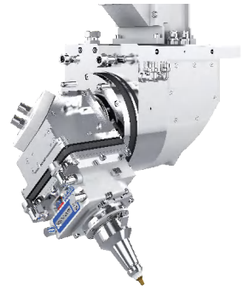
A complete set of intelligent control system solutions with HAN'S series CNC system

● 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 oversea 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