



Han's Laser Smart Equipment Group North America

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HAN'S LASER
Smart Equipment Group

Laser Cutting & Welding Solution

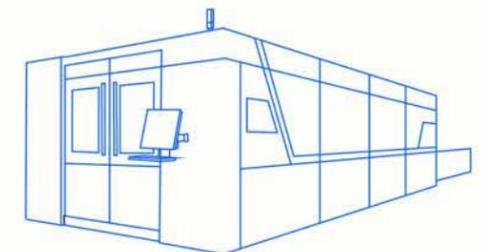
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Han's Laser Smart Equipment Group Co., Ltd.



Focus on Laser Industry: Vertically integrated laser equipment provider

Han's Laser Smart Equipment Group (refers to '大族激光智能装备集团') is a world-leading industrial laser equipment manufacturer, wholly-owned by Han's Laser Technology Industry Group Co., Ltd.(SZSE:002008).

Through innovation and development, Han's Laser Smart Equipment Group focus on R&D, production, sales, and services of laser cutting machine, welding equipment, automatic production line, CNC system, laser, and functional components. Over 400,000 square meters of manufacturing and assembly facility has been put into operation.

Machining Capabilities

Over 160 CNC processing machine tools and high precision detecting devices build up a powerful machining center to produce over 1000 sets of high power laser cutting, welding, and automation systems every year. Each machine strictly conforms to ISO9000-2000, ISO14001-2004, GMC global manufacturer certification, and CE certification.



Product Portfolio

The fiber laser equipment product line includes 2D laser cutting series, laser tube cutting series and precision-driving 3D cutting series, robot welding station series, laser welding automotive production line, custom laser welding series, press brake series, 3D Printing series, automatic production series, and core functional parts.

Global Network

Han's Laser Smart Equipment Group's products are broadly used in different industries including railway communication, automobile, mechanical engineering, elevator, agricultural machines, petroleum production, and package, and sheet metal processing. The products have been sold worldwide over 45 countries and areas. In 2019, the North America branch has built up a new factory located in Dallas, Texas.



2D Laser Machine Workshop



World-class CNC Machining Center



Fiber Laser Production Workshop



Functional Parts Cleanroom



3D Print Production Workshop



Han's Laser Smart Equipment Manufacturing Showroom

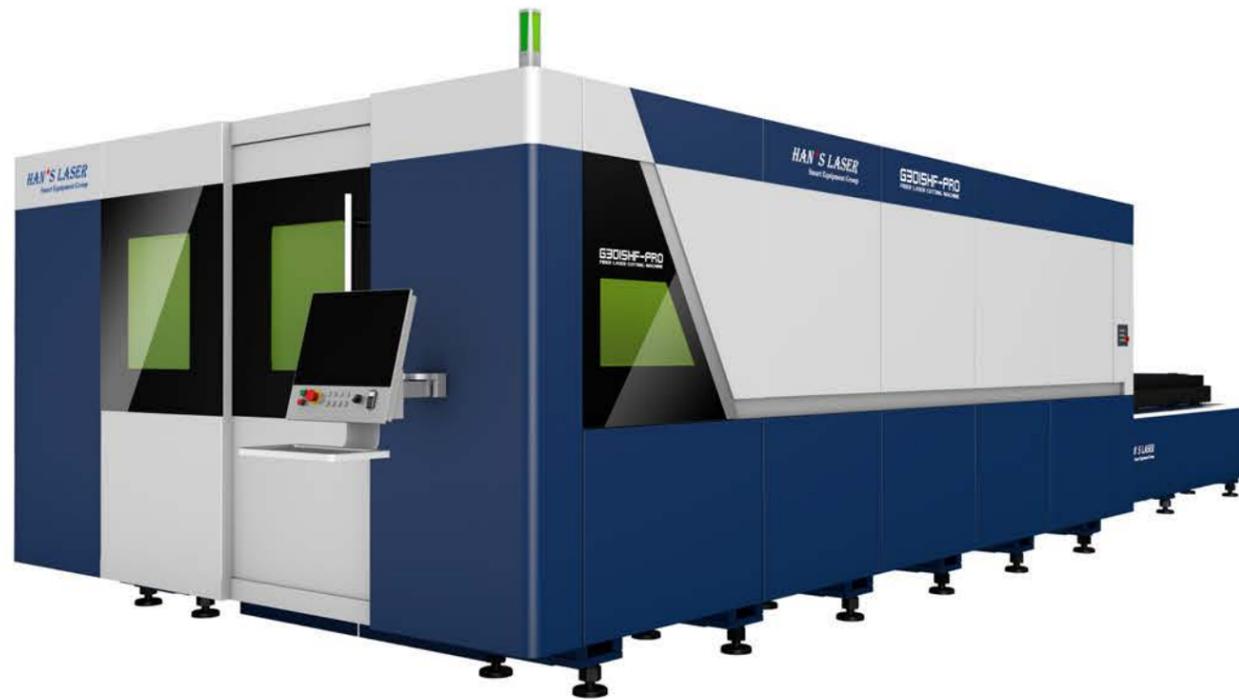


Intelligent Control Solutions Display Wall



Cabinet Assemble Workshop

HF-Pro Series Laser Cutting Machine



Picture only for reference

1

Modular design machine with a separate-type machine bed, flexible and feasible

2

Worry-free hollow machine structure, a comprehensive solution for high-power laser cutting

3

Advanced shuttle loading capacity, supporting simultaneous exchange of two tables, stable and flexible processing with removable structure, easy-for-transportation

4

Brand-new ventilation structure, stable and environmental-friendly, ventilation efficiency increased by about 30%

Metal Cutting Capacity

Model	Materials	Auxiliary gas	Thickness (mm)
HF-PRO	Carbon steel (Q235)	O2	60mm
	Stainless steel (SUS 304)	N2	50mm
	Aluminium alloy (AL)	N2	40mm
	Brass	N2	16mm



50mm MS



20mm MS



40mm SUS



40mm AL

Technical Data

Model	G3015 HF-PRO	G4020 HF-PRO	G6025 HF-PRO
Working Area	3000mm×1500mm	4000mm×2000mm	6000mm×2500mm
X-axis	3100 mm	4100 mm	6150 mm
Y-axis	1570mm	2070mm	2580mm
Z-axis	120mm	120mm	120mm
Accuracy & Speed			
Positioning Accuracy (X/Y)	±0.03mm	±0.03mm	±0.03mm
Repeatability (X/Y)	±0.02mm	±0.02mm	±0.02mm
Max. Positioning Speed (X/Y)	200m/min	200m/min	180m/min
Weight & Dimensions			
Max. Workpiece Weight	1400kg	2500kg	4700kg
Machine Weight	11000Kg	15000Kg	21000Kg
Dimensions (LxWxH)	10100mm×3400mm×2150mm	12160mm×3860mm×2150mm	16620mm×4510mm×2150mm

* Data subject to change, the technical solution shall prevail.

HF Series Fiber Laser Cutting Machine



Picture only for reference

1

Ultrahigh cutting speed, edge tool in sheet metal field

2

Cost-efficiency oriented machine and easy maintenance

3

Ergonomics design and user-friendly operation

Metal Cutting Capacity

Model	Materials	Auxiliary gas	Thickness (mm)
HF	Carbon steel (Q235)	O2	60mm
	Stainless steel (SUS 304)	N2	50mm
	Aluminium alloy (AL)	N2	40mm
	Brass	N2	16mm



12mm MS



30mm Al



Brass 10mm



SUS 40mm

Technical Data

Model	G3015HF	G4020HF	G6020HF	G6025HF	G8025HF
Processing Area (L×W)	3000mm×1500mm	4000mm×2000mm	6000mm×2000mm	6000mm×2500mm	8000mm×2500mm
X Axis Track	3050mm	4030mm	6030mm	6030mm	8100mm
Y Axis Track	1525mm	2020mm	2020mm	2520mm	2520mm
Z Axis Track	300mm	300mm	300mm	300mm	300mm
Positioning Accuracy (X/Y axis)	±0.03mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m
Repeatability (X/Y axis)	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm
Max. Positioning Speed (X/Y axis)	200m/min	200m/min	180m/min	160m/min	160m/min
Max. Load of Worktable	1200Kg	2000Kg	2900Kg	3600Kg	4800Kg
Weight of Machine Tool	10000Kg	14000Kg	18000Kg	20000Kg	24000Kg
Dimension(L×W×H)	9615mmX3040mmX2065mm	11830mmX3470mmX2065mm	15415mmX3470mmX2320mm	15415mmX4020mmX2320mm	19100mmX4200mmX2500mm

* Data subject to change, the technical solution shall prevail.

F Series Laser Cutting Machine



Picture only for reference

1

Domestic leading market fiber laser cutting machine

2

High ROI machine with superior cutting quality and reliability

3

Additional automatic production line optimizes automated manufacturing and maximizes productivity.

4

Reward as “Single champion products in manufacturing” & “China Good Design”

Metal Cutting Capacity

Model	Materials	Auxiliary gas	Thickness (mm)
F	Carbon steel (Q235)	O2	40mm
	Stainless steel (SUS 304)	N2	40mm
	Aluminium alloy (AL)	N2	40mm
	Brass	N2	12mm



Transmission Part
SUS8mm



Decoration
Brass 15mm



Saw part
SUS3mm



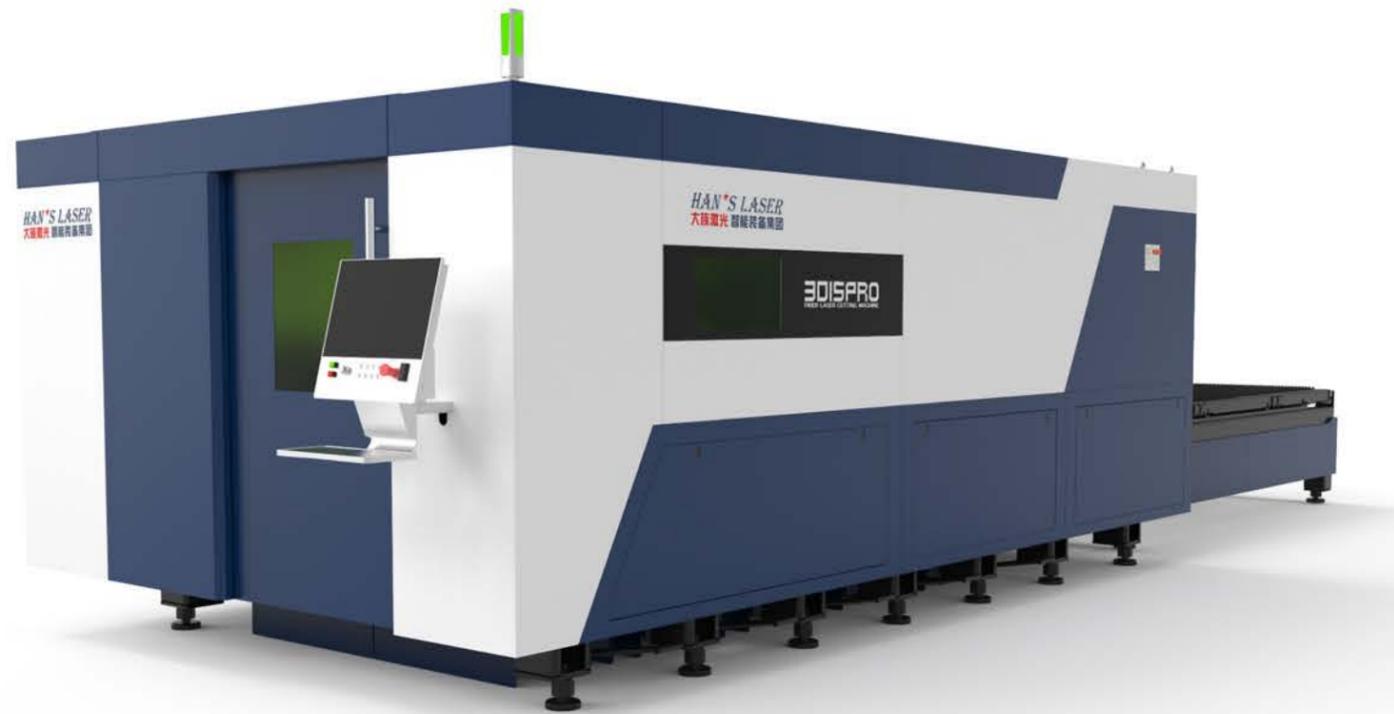
Gear
MS 25mm

Technical Data

Model	G3015F	G4020F	G6020F	G6025F	G8025F
Processing Area (L×W)	3000mm×1500mm	4000mm×2000mm	6000mm×2000mm	6000mm×2500mm	8000mm×2500mm
X Axis Track	3050mm	4050mm	6050mm	6030mm	8100mm
Y Zxis Track	1530mm	2030mm	2030mm	2520mm	2520mm
Z Axis Track	250mm	250mm	300mm	300mm	300mm
Positioning Accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m
Repeatability (X/Y)	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm
Max. Positioning Speed (X/Y)	140m/min	140m/min	140m/min	140m/min	140m/min
Max. Load of Worktable	750kg	1600kg	3000kg	3500kg	4800kg
Weight of Machine Tool	6500kg	10000kg	12600kg	17000kg	24000kg
Dimension (L×W×H)	9200mm×3050mm×2200mm	10950mm×3540mm×2100mm	14950mm×3500mm×2200mm	14900mm×4020mm×2320mm	19700mm×4070mm×2200mm

* Data subject to change, the technical solution shall prevail.

PRO Series Laser Cutting Machine



Picture only for reference

1

Professional medium and thin plate design

2

The true king of cost performance

3

Professional solutions for the aluminum veneer industry

Metal Cutting Capacity

Model	Materials	Auxiliary gas	Thickness (mm)
PRO	Carbon steel (Q235)	O2	30mm
	Stainless steel (SUS 304)	N2	25mm
	Aluminium alloy (AL)	N2	25mm
	Brass	N2	12mm



MS 8mm



Brass 4mm



SUS 4mm



MS 25mm

Technical Data

Model	G3015PRO	G4020PRO	G6020PRO
Processing Area(L×W)	3000mm×1500mm	4000mm×2000mm	6000mm×2000mm
X Axis Track	3050mm	4050mm	6050mm
Y Axis Track	1530mm	2030mm	2030mm
Z Axis Track	250mm	250mm	250mm
X/YAxis Positioning Accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m
Repeatability (X/Y)	±0.02mm	±0.02mm	±0.02mm
Max. Positioning Speed (X/Y)	140m/min	140m/min	140m/min
Max. Load of Worktable	750kg	1250kg	2000kg
Weight of Machine Tool	6500Kg	9700Kg	12000Kg
Dimension(L×W×H)	9200mm×3050mm×2200mm	10950mm×3540mm×2100m	14950mm×3465mm×2100m

* Data subject to change, the technical solution shall prevail.

Large-size Series



Picture only for reference

1

The largest format of fiber laser cutting machine in China

2

Full hollow design of the bed, anti-deformation by high temperature

3

Large worktable layer spacing, ensure the safe interaction of materials

Technical Data

Model	G12030	G12025	G10025
Processing Area(L×W)	12000mm×3000mm	12000mm×2500mm	10000mm×2500mm
X Axis Track	12300mm	12300mm	10200mm
Y Axis Track	3100mm	2600mm	2520mm
Z Axis Track	400mm	400mm	300mm
X,Y Axis Positioning Accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m
X,Y Axis Repeat Positioning Accuracy	±0.03mm	±0.03mm	±0.03mm
X/Y Axis Max. Positioning Speed	100m/min	100m/min	140m/min
MAX. Load of Worktable	11300kg	9500kg	7900kg
Weight of Machine Tool	4200kg	4000kg	28000kg
Dimension(L×W×H)	30m × 5.7m × 2.7m	30m × 5.2m × 2.7m	25m × 4.2m × 2.5m

* Data subject to change, the technical solution shall prevail.

Giant Series



Picture only for reference

1

Modular design, highly customized options

2

Optional bevel cutting function, shape large size parts in one time

3

The longitudinal direction adopts bilateral precision linear guide, and the transverse adopts light-load adaptive beam to ensure high-speed and high-precision processing

Technical Data

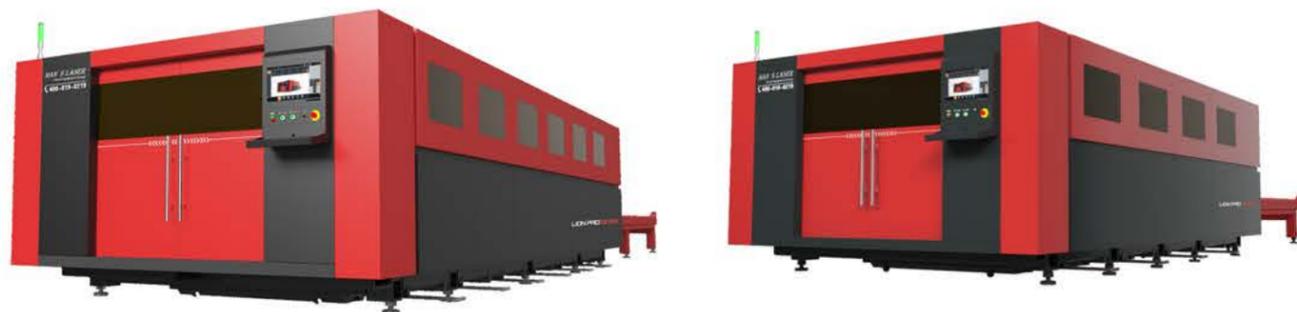
Model	G12030L	G24030L	Custom models
Processing Area(L×W)	12000mm×3000mm	24000mm×3000mm	(8000-50000)mm×(2500-5000)mm
X Axis Track	12700mm	2400mm	8700mm-50700mm
Y Axis Track	3150mm	3150mm	2650mm-5150mm
Z Axis Track	180mm	180mm	180mm
X,Y Axis Positioning Accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m
X,Y Axis Repeat Positioning Accuracy	±0.05mm	±0.10mm	±0.05mm/12m
X/Y Axis Max. Positioning Speed	70m/min	70m/min	70 m/min
MAX. Load of Worktable	11300kg	22600kg	Custom
Weight of Machine Tool	7000kg	11500kg	Custom
Dimension(L×W×H)	16.5m × 4.9m × 2.1m	30.5m × 4.9m × 2.1m	Custom

* Data subject to change, the technical solution shall prevail.

LION PRO Dual Platform Fiber Laser Cutting Machine



Pictures are only for reference



1

Realize efficient and flexible processing through fiber laser

2

Easily cope with highly reflective materials and difficult-to-process material

3

Self-developed laser source, intelligent control, a model of performance



Cutting Samples
SUS2-3-4-6-8-10mm



Cutting Sample
MS3mm



Tea Table
Brass 2mm



Art Craft
SUS 1mm

Technical Data

Model	LION PRO 3015	LION PRO 4020	LION PRO 6020	LION PRO 6025
Working Area	3000mm×1500mm	4000mm×2000mm	6000mm×2000mm	6000mm×2500mm
X-axis Stroke	3050mm	4050mm	6050mm	6050mm
Y-axis Stroke	1525mm	2025mm	2025mm	2525mm
Z-axis Stroke	240mm	240mm	240mm	240mm
X/Yaxis positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m
Repeatability (X/YAxis)	±0.03mm	±0.03mm	0.03mm	0.03mm
Max. Positioning Speed	120m/min	100m/min	100m/min	100m/min
Max. Acceleration	1.0G	1.0G	1.0g	1.0g
Max. Workpiece Weight	800kg	1400kg	2100kg	3000kg
Machine Weight	6500kg	7500kg	13500kg	15000kg
Rated Voltage	380V	380V	380V	380V
Frequency	50Hz	50Hz	50Hz	50Hz
Dimensions (Length×Width×Height)	8.2m×2.92m×2.2m	10.4m×3.42m×2.3m	14.73m×3.42m×2.3m	14.73m×3.95m×2.3m

* Data subject to change, the technical solution shall prevail.

LION Single Platform Fiber Laser Cutting Machine



Pictures are only for reference



1

Self-developed laser source, smart control

2

Satisfy high-quality processing of various metal plates

3

Significantly reduce procurement and operating costs

4

Widely used in cases and cabinets manufacturing, sheet metal processing, office furniture, electrical appliances, kitchenware, hardware, decorative advertising and other industries



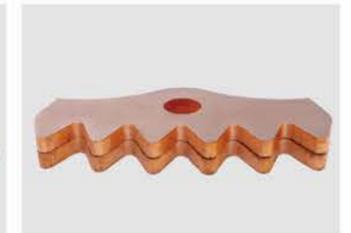
Cutting Samples
SUS2-3-4-6-8-10mm



Art Craft
MS6mm



Tea Table
Brass2mm



Cutting Samples
Brass4-6mm

Technical Data

Model	LION 3015	LION 4020	LION 6020
Working Area	3000mm×1500mm	4000mm×2000mm	6000mm×2000mm
X-axis Stroke	3050mm	4050mm	6050mm
Y-axis Stroke	1525mm	2025mm	2025mm
Z-axis Stroke	80mm	80mm	80mm
X/Yaxis positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m
X,Y Axis Repeatability	0.03mm	0.03mm	0.03mm
Maximum Positioning Speed	100m/min	100m/min	100m/min
Maximum Acceleration	1.0G	1.0G	1.0G
Max. Workpiece Weight	800kg	1400kg	2100kg
Machine Weight	4000kg	5000kg	6500kg
Rated Voltage	380V	380V	380V
Frequency	50Hz	50Hz	50Hz
Dimensions (Length×Width×Height)	4.8m×2.2m×2.0m	5.65m×2.86m×2.0m	7.83m×2.86m×2.0m

* Data subject to change, the technical solution shall prevail.

LION Fiber Laser Tube Cutting Machine



Pictures are only for reference

Typical application area

Fitness equipment, tables and chairs furniture, petroleum pipelines, lighting lamps, motorcycle accessories, valve processing, elevator manufacturing, household appliances, food machinery, textile machinery, tool processing, food machinery, kitchenware and bathroom, decorative advertising, laser external processing services, etc. Kinds of machinery manufacturing and processing industries.

1

Unlimited and stable operation, save worry and effort

2

New smart control, high performance

3

Rapid processing of small batches and multiple models of pipes, high efficiency and low cost



Furniture parts



Tubing SUS



Tubing & Construction SUS

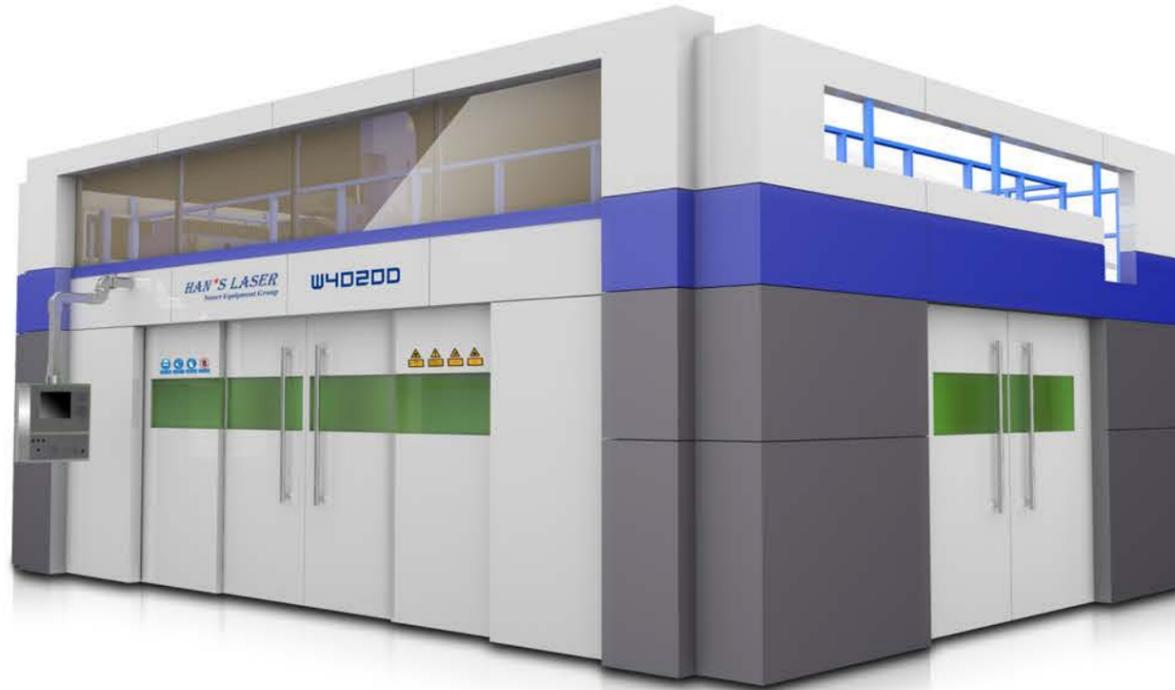


Decoration MS

Model	LION 6021T
X-axis	6620mm
Y-axis	400mm
Z-axis	190mm
A,B Axis Stroke	Infiniterotation
Accuracy	
Positioning Accuracy (X/Y)	±0.05mm/m
Repeatability (X/Y)	±0.04mm
Speed	
Max. Positioning Speed (X/Y)	100m/min
A,B Axis Feed Rate	100r/min
Max. Acceleration (X/Yaxis)	0.8G
Weight & Dimensions	
Max. Load Weight	100kg
Unloading Length	0-2000mm
Machine Tool Weight	4500Kg
Dimensions (LxWxH)	10050mm × 1500mm × 1900mm

*Data subject to change, the technical solution shall prevail.

Elevated Gantry 3D 5-Axis Series



Picture only for reference

1

Elevated gantry structure, mobile crossbeam to optimize the process space and high dynamic function

3

Widely used in manufacturing aerospace parts, car parts, molding, machinery, fitness equipment and etc.

2

N×360° limitless rotation, all-in-one solution swift switch among laser cutting, laser welding and additive manufacturing in one laser head.

4

Feasible to complex parts processing and cutting with high precision.



3D-5 Axis Laser Cutting Machine



Car Parts
Bake hardened steel



Car Hood
AL



Front Bumper
Steel



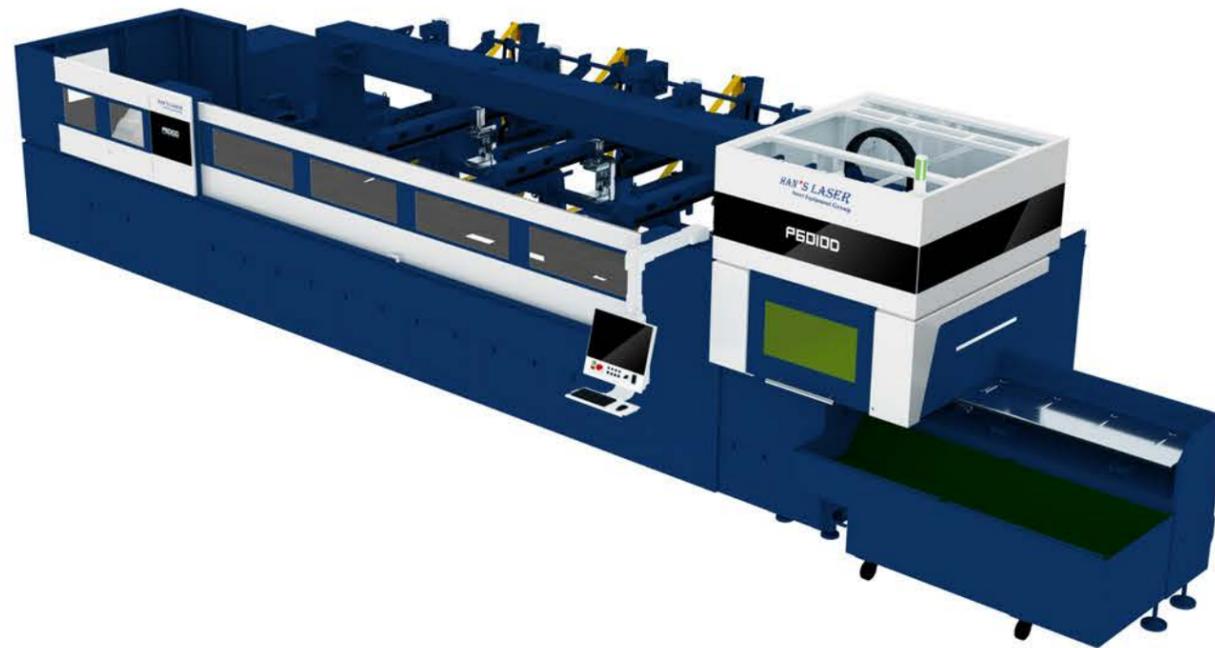
Car Floor
Mild Steel

Technical Data

Model	W4020D	W4525D
Processing Area(L×W×H)	3500mm×1500mm×750mm	4000mm×2000mm×750mm
X Axis Track	4000mm	4500mm
Y Axis Track	2000mm	2500mm
Z Axis Track	1000mm	1000mm
C Axis Track	n×360°	n×360°
A Axis Track	±135°	±135°
X,Y,Z Axis Positioning Accuracy	±0.05mm/m	±0.05mm/m
X,Y,Z Axis Repeat Positioning Accuracy	±0.03mm	±0.03mm
C,A Axis Positioning Accuracy	±0.015°	±0.015°
C,A axis Repeat Positioning Accuracy	±0.005°	±0.005°
X,Y,Z Axis Max. Positioning Speed	50m/min	50m/min
C,A Axis Max. Positioning Speed	60r/min	60r/min
CNC System	Siemens 840D	Siemens 840D
Max. Load of Worktable	2000Kg	2000Kg
Weight of Machine Tool	14000kg	15000kg
Dimension (L×W×H)	11500mm×10500mm×4500mm	12000mm×11000mm×4500mm

* Data subject to change, the technical solution shall prevail.

Small-diameter Tube 10D Series



Picture only for reference

1

Professional small tube laser tube cutting machine

2

Conducting a stable operation with precision and efficiency

3

Versatile cutting functions include Rapid-Cut and small-diameter tube precise cutting to achieve quality-oriented processing

4

Modulation design and extendable structure 100% fit different types of tubes during loading and sorting



Model	P6010D
Tube processing area	6200mm × φ20-110mm 6200mm × □20-110mm
X axis track	6750mm
Y axis track	200mm
Z axis track	160mm
X,Y axis max. positioning speed	120m/min
A,B axis max. rotating speed	150rpm
X,Y axis positioning accuracy	±0.03mm/1000mm
X,Y axis repeat positioning accuracy	±0.03mm
Max. tube weight per unit	150Kg
Machine tool weight	12000Kg
Max. loading length	6200mm
Unloading length	0-2500mm
Dimension (L × W × H)	11000mm × 4500mm × 3000mm

* Data subject to change, the technical solution shall prevail.

P Laser Tube Cutting Machine 18D Series



Picture only for reference

1

Fully automatic manufacturing procedure and manufacturing execution system makes it highly flexible in tubes & profiles processing

3

Tube cutting machine equips with $\pm 45^\circ$ bevel cut, which is high speed, precise and flexible.

2

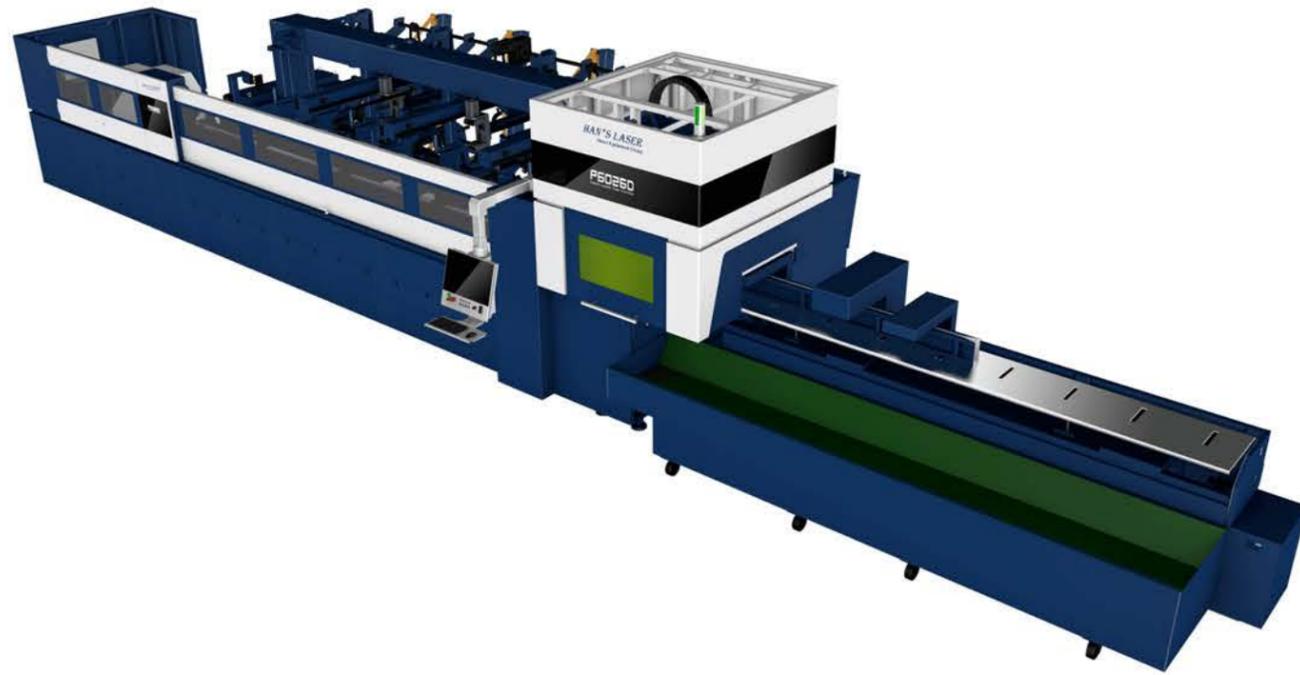
Intellectual property technology clamps, one-time loading without changing jaw to centralize tubes, no matter it is for thin-wall tubes or for heavy tubes



Model	P6018D	P8018D	P10018D
Tube processing area	6200mm × ϕ 20-180mm 6200mm × □20-180mm	8200mm × ϕ 20-180mm 8200mm × □20-180mm	10200mm × ϕ 20-180mm 10200mm × □20-180mm
Bevel Angel Area	N/A	N/A	N/A
X Axis Track	6750mm	8750mm	10750mm
Y Axis Track	200mm	200mm	200mm
Z Axis Track	160mm	160mm	160mm
X,Y Axis Max. Positioning Speed	120m/min	120m/min	120m/min
X,Y Axis Positioning Accuracy	± 0.03 mm/1000m	± 0.03 mm/1000mm	± 0.03 mm/1000mm
X,Y Axis Repeat Positioning Accuracy	± 0.03 mm	± 0.03 mm	± 0.03 mm
CNC System	Han's	Han's	Han's
Max. Tube Weight Per Unit	200Kg	200Kg	200Kg
Machine Tool Weight	15000Kg	16000Kg	17000Kg
Max. Loading Length	6200mm	8200mm	10200mm
Unloading Length	0-4000mm	0-4000mm	0-4000mm
Phase/Power/Frequency	3/380V/50Hz	3/380V/50Hz	3/380V/50Hz
IP Degree	IP54	IP54	IP54
Dimension (L×W×H)	13.2m×5.2m×3m	15m×4.8m×3m	17m×4.8m×2.8m

* Data subject to change, the technical solution shall prevail.

Large-diameter Tube 26D Series



Picture only for reference

1

Heavy metal tube cutting core product of Han's Laser, maximum loading weight up to 26D:500kg/35T:1000kg

3

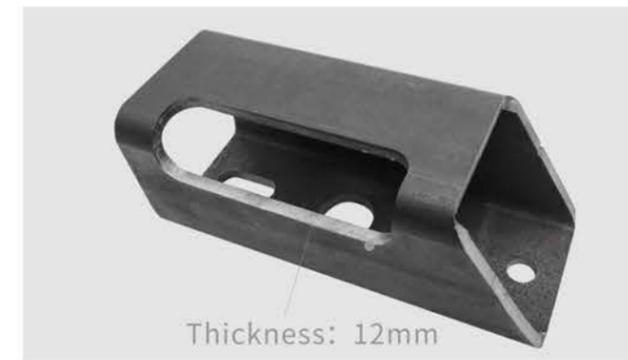
Three self-centering chuck clamping for zero waste processing

2

Large clamping range: Max. laser processing diameter up to 350mm (square & round tubes)



Laser Tube Cutting Machine Workshop



Model	P6026D	P10026D
Processing Range (Length x Diameter)	6050mm × φ20-260mm 6050mm × □20-260mm	10050mm x φ20-260mm 10050mm x □20-260mm
X Axis Stroke	6550mm	10550mm
Y Axis Stroke	≥270mm	≥270mm
Z Axis Stroke	220mm	220mm
A/B Axis Stroke	Infinite rotation	Infinite rotation
Max. Loading Length	4000-6050mm	4000-10050mm
Max. Weight of Bundle Loading	3000kg	3000kg
Unloading Length	0-4000m	0-4000m
Leftover Tube Length	≥170mm	≥170mm
Machine Weight	around 17500Kg	around 17500Kg
Phase/Power/Frequenc	3/380V/50Hz	3/380V/50Hz
IP Degree	IP54	IP54
Dimension (LxWxH)	around 13.2m X 5.5m X 3m	around 17m X 5.5m X 3m

*Custom available to tubes diameter, loading and unloading length

* Data subject to change, the technical solution shall prevail.

Large-diameter Tube Machine



PRO1 Fiber Laser Tube Cutting Machine



PLUS1 Fiber Laser Tube Cutting Machine

Picture only for reference

1

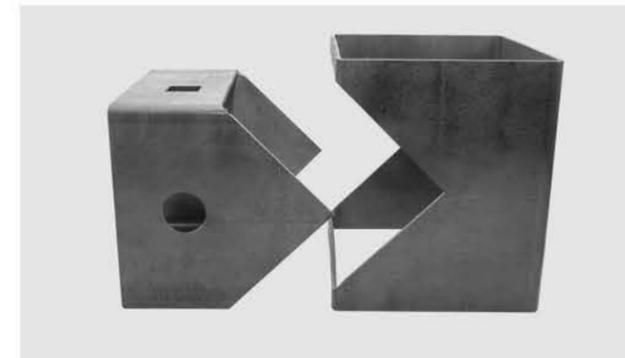
The clamping chuck equipped with inching function to facilitate occasionally manual loading

3

A new generation of full-stroke pneumatic chucks conducts one-time clamping, automatic and accurate centering, there's no need to change the claws

2

Flexible options, loading & unloading system



Model	PRO1	PLUS1
Max. Process Area	φ160mm, □120mm	φ254mm, □200mm
Max. Tube Length	6700mm	6200mm
Max. Unloading Length	4000mm	
Max. Loading Weight	100kg	200kg
X,Y Feed Rate	100m/min	
A,B Axis Rotating Speed	100rpm	

*Custom available to tubes diameter, loading and unloading length

* Data subject to change, the technical solution shall prevail.

Electro-hydraulic Servo CNC Press Brake



Picture only for reference

1

The press brake features a rigid machine frame and stable mechanical structure, which allows a bend capable of up to 200 tonnages and dramatically expands the maximum thickness for bend material.

2

The cylinders settled aside controlled by hydraulic control system composed of hydraulic valves and enclosed linear encoder, which ensures stroke movement accuracy and performance quality.

3

Powerful anti-deflection capacity ensures bend quality, bend angle will differ along the length of the workpiece.

5

Instant-clamp device mounted on the upper module facilitates mold-change and reduces frequency of repeat actions to increase productivity.

7

Ergonomic design makes your each step of operation comfortable.

4

Equipped with high precision mechanical compensation device to obtain accurate deflection compensation on the whole working table.

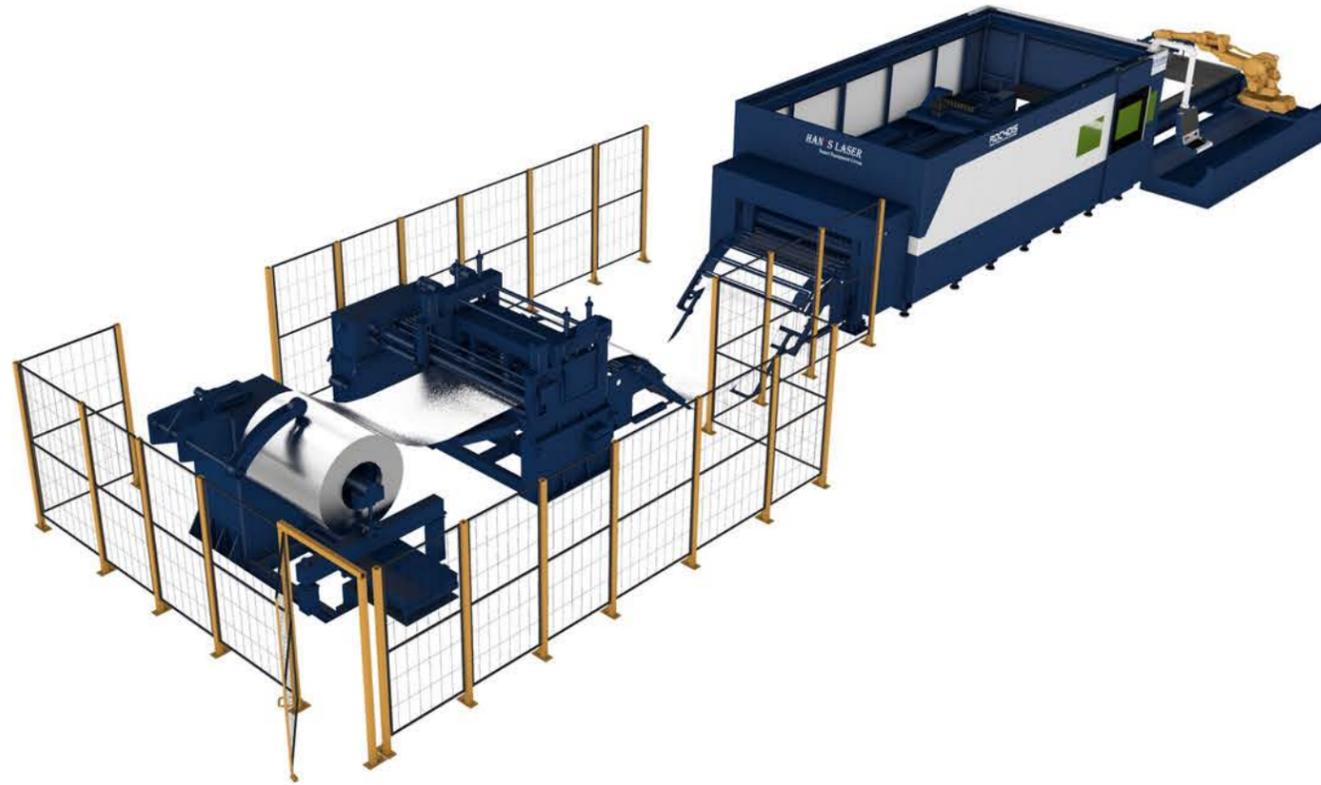
6

Employed Delem control system with HMI and TFT (True color display) and unique 'short-key' control unit allow fast-programming but in a simple ways.

Item	Parameters Value	Unit	Note
Nominal Pressure	2000	KN	
Folded Plate Width	4000	mm	
Slider Stroke	200	mm	
Maximum Opening Height	420	mm	
Column Spacing	3500	mm	
Roar Mouth Depth	400	mm	
Press Down Speed	110	mm/s	
Returning Speed	110	mm/s	
Working Speed	10	mm/s	
Main Motor Power	11	Kw	
CNC Numerical System	DA52S/DA53T/DA58T/DA66T		Delem
Number of Control Shaft	3+1		Y1、 Y2、 X+V
Number of Control Shaft	4+1		Y1、 Y2、 X、 R+V
Number of Control Shaft	6+1		Y1、 Y2、 X、 R、 Z1、 Z2+V
Form of V-axis	CNC mechanical compensation		
Max. Backgauge Movement Speed (X-axis)	200	mm/s	
Backgauge Stroke (X-axis)	500	mm	
Repeated Positioning Accuracy of Slider	≤±0.01	mm	
Positioning Accuracy of Slider	≤±0.02	mm	
Repeatability of Backgauge	≤±0.02	mm	
Workpiece Straightness	0.3	mm/m	
Bend Angle Deviation	±0.5	Degree	
Scale Resolution	±0.005	mm	

*Data only for reference, content subject to technical data provided.

RDC Series Coil Fed Laser Cutting System



Picture only for reference

1

Maximized efficiency and optimal material utilization double laser head、double beam and synchronous/asynchronous roll dynamic cutting

2

Professional CNC system, multitask work-list in a flexible manufacturing scenario

3

Optional automatic coding function, digital production

4

Optional robot visual sorting and automatic palletizing, intelligent production



Model	RDC7018	RDC4015
Processing Area(L×W×H)	6450mm×1800mm	4500mm×1500mm
X Axis Track	6500mm	4050mm
Y Axis Track	1825mm	1525mm
Coil Width	400-1800mm	100-1500mm
Coil Thickness	0.6-3.5mm	0.6-3.5mm
Z Axis Track	80mm	120mm
Positioning Accuracy (X、Yaxis)	±0.03mm/m	±0.03mm/m
Repeat Positioning Accuracy (X、Yaxis)	±0.03mm	±0.03mm
Max. Positioning Speed (X/Yaxis)	169m/min	140m/min
Max. Acceleration (X/Yaxis)	1.8G	1.8G
Max. Faterate (Waxis)	0-20m/min	0-20m/min
Dimension (L×W×H)	30m×9.3m×2.8m	20.4m×7.7m×2.8m

*Data only for reference, content subject to technical data provided.

SLM 3D Printing System



Pictures are only for reference

1

Open resource parameter packages and easy for re-programing

2

Flexible or rigid scraper system

3

a one-way variable speed powder spread 3D printer, robust and reliable metal part production.

5

Suitable for research and development of high-throughput material science

4

Cloud service: remote control, smart phone app

6

Suitable for complex mold, hydraulic parts, automotive, aerospace and other fields



Guide vane



Vane



Mold



Drone framework



Robot arm framework



Nozzle

Model	HANS M100	HANS M160	HANS M260	HANS M400
Dimensions (L x W x H)	1000mm × 1000mm × 1900mm	1100mm × 800mm × 1850mm	2200mm × 1000mm × 2550mm	4650mm × 1400mm × 2800mm
Max Building Volume	110mm × 110mm × 100mm	150mm × 150mm × 120mm	250mm × 250mm × 300mm	400mm × 400mm × 450mm
Laser Power	200W/500W	200W/500W/200W × 2/500W × 2	500W/500W × 2 (optional)	500W/500W × 2/500W × 4 (optional)
Laser Wavelength	1060~1080nm	1060~1080nm	1060~1080nm	1060~1080nm
Beam Spot Diameter	≤50μm	≤50μm	≤80μm	60~200μm
Variable Layer Thickness	20~100μm	20~100μm	20~100μm	20~100μm
Scan Speed	≤7m/s	≤7m/s	≤7m/s	≤7m/s
Oxygen Concentration	≤100ppm	≤100ppm	≤100ppm	≤100ppm
Powder Feed	Lower Powder Feed	Lower Powder Feed	Lower Powder Feed	Upper Powder Feed
Inert Gas	Nitrogen / Argon	Nitrogen / Argon	Nitrogen / Argon	Nitrogen / Argon
Software	Magics+BP/3DXpert/Hans M Path	Magics+BP/3DXpert/Hans M Path	Magics+BP/3DXpert/Hans M Path	Magics+BP/3DXpert
Machine Tool Weight	<1000Kg	<1000Kg	<2500Kg	<3500Kg
Power Supply / Power Consumption	220V ± 10%, 30A/≤5KW	220V ± 10%, 45A/≤9.5KW	380V ± 10%, ≤30A/≤15KW	380V ± 10%, ≤50A/≤30KW

* Data subject to change, the technical solution shall prevail.

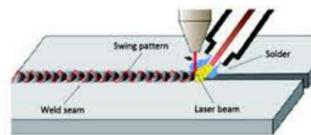
HLW Series Hand-held Laser Weiding Machine



Picture only for reference



Welding Head



Swing Pattern



Welding Head
+ Protective glasses
+ N nozzles



Wire Feeder

1

Easy to learn, flexible & convenient

2

Less investment & maintenance cost

3

High wall-plug efficiency, energy saving & environment-friendly

4

Exceptional beam quality provides optimum depth-to-width ratio, makes it easy to achieve tight, beautiful and speedy welding



protectiv helmete



protective gloves



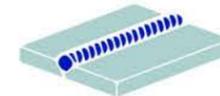
protective glasses



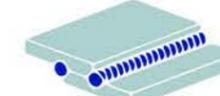
protective suit



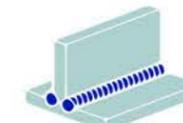
protective house



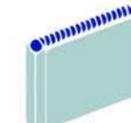
Butt Joint



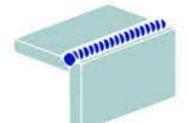
Lap Joint



Tee Joint



Edge Joint



Corner Joint

Weld Metrials:

- Stainless Steel
- Carbon Steel
- Aluminum
- Aluminum Alloy
- Galvanized Sheet

Model	HLW05	HLW10	HLW15	HLW20
Laser Power	500W	1000W	1500W	2000W
Wavelength	1080±5nm			
Cable Length	10m Standard / 15m Max.			
Weiding Speed	0~125 mm/s (varies from machine and thickness)			
Welding Thickness	0.4~3 mm (varies from machine)			
Cooling Mode	Water chiller			
Working Temperature	10~40°C			
Dimensions	665mm x 1105mm x 1330mm (W*D*H)			
Machine Weight	≈350 kg			

* Data subject to change, the technical solution shall prevail.

Laser Cleaning System LCS Series



Pictures are only for reference



Surface treatment: stainless steel, titanium, aluminum alloy



Surface treatment : Oil & Dust

1

Cleaning laser with industrial robot

2

Automatic cleaning process, achieve precise cleaning

3

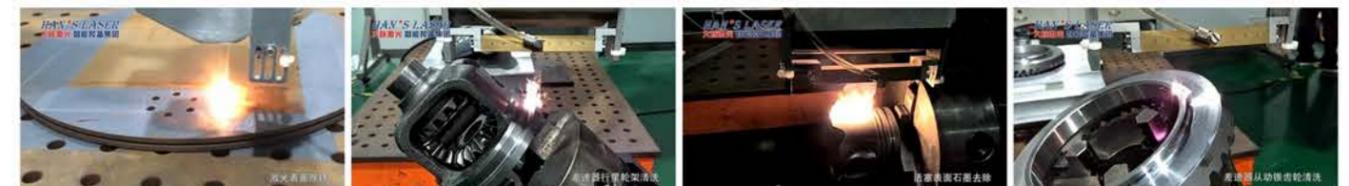
Handheld cleaning process, simplicity of operation

Application field

High-speed rail, Spaceflight, Ocean, Automobile, Mould, Railway, Nuclear power, Machinery, Sheet metal, Electricity, Cultural relic etc.

Processing object

Mould, Wheel gear, Guide rail, Piston, Aluminium alloy, Titanium alloy, Hot rolled steel etc.



Name	LCS100-300	LCS500-1000	LCS3000-8000
Laser Mode	Impulse	Impulse	Impulse
Laser Mrand	Import / Domestic	Import / Domestic	Import / Domestic
Laser Power	100/200/300	500/1000	3000-8000
Cooling Mode	Air cooling / water cooling	water cooling	water cooling
Operation Method	Handheld / Robot	Handheld / Robot	Handheld / Robot
Dimensions	1080mmX730mmX1300mm	5000mmX4000mmX2000mm	5000mmX4000mmX2000mm

* Data subject to change, the technical solution shall prevail.

Laser Cutting FMS



Pictures are only for reference



ALU4020-B Laser Cutting FMS



ALU System for Single 3015-B Machine

1

Fully automatic intelligent production without attendance

2

Improve production efficiency, reduce production cycle time

3

Reduce labor intensity & cost

4

Optimize operational workflow and improve the automation level of corporate management

5

Maximize your profit and competitiveness in the market

Parameter		Remar
Layers	10	Optional, material platform for choice
Loading Weight of Every Layer	3T	5T for material platform
Vertical Speed for Stereoscopic Warehouse	≥5M/min	
Horizontal Speed for Stereoscopic Warehouse	≥15M/min	20M/min for material platform
Quantity of Sorting Table	2	High-low structure, exchanging
Loading Weight of Sorting Table	≥3T	
Horizontal Speed of Sorting Table	20M/meter	30M/meter for gantry type
ALU Horizontal Speed	50M/meter	
ALU Vertical Speed	≥5M/meter	20mm for gantry type
Max. Thickness for Single Board	6mm	

* Data subject to change, the technical solution shall prevail.

Notes: The material thickness determines the types of production lines that will be designed and built depending on site conditions

Laser cutting professional nesting software

- Strong anti-high-reflection ability, good beam quality, stable power output;
- High electro-optical conversion efficiency up to 40%, wide modulation frequency range;
- Provide customized services.



System Introduction

Han's MeSys laser equipment information management system is a production information management system for workshop management of manufacturing enterprises. It can provide enterprises with real-time monitoring of order progress, equipment status management, production data management, wearing part maintenance management and FMS automatic production line monitoring and other management modules, and build a comprehensive information management system for enterprises.



- The operation is more convenient, the display is more intuitive, and the functions are more complete;
- Support remote management and control, open data, and smarter device interconnection;
- The pure software main processor structure greatly reduces maintenance costs.



It has equipment information management, order management, production processing information management, production task scheduling, employee shift management, information overview and report output functions, and supports the use of mobile APP. MES allows you to grasp the production status and efficiency of the equipment anytime and anywhere, greatly improving the utilization rate of the equipment.

Han's Service Network

Since 2009, Han's Laser Smart Equipment Group has developed more than 20 kinds of laser heads of varieties and full series, more than 5000 sets have been put on the market, which can match various types of lasers domestic and abroad. The full range of products are widely used in sheet metal cutting, pipe cutting, three-dimensional parts cutting and plate welding and so on.



Han's Service Network

📍 Headquarters

