JQLASER

We produce quality solutions

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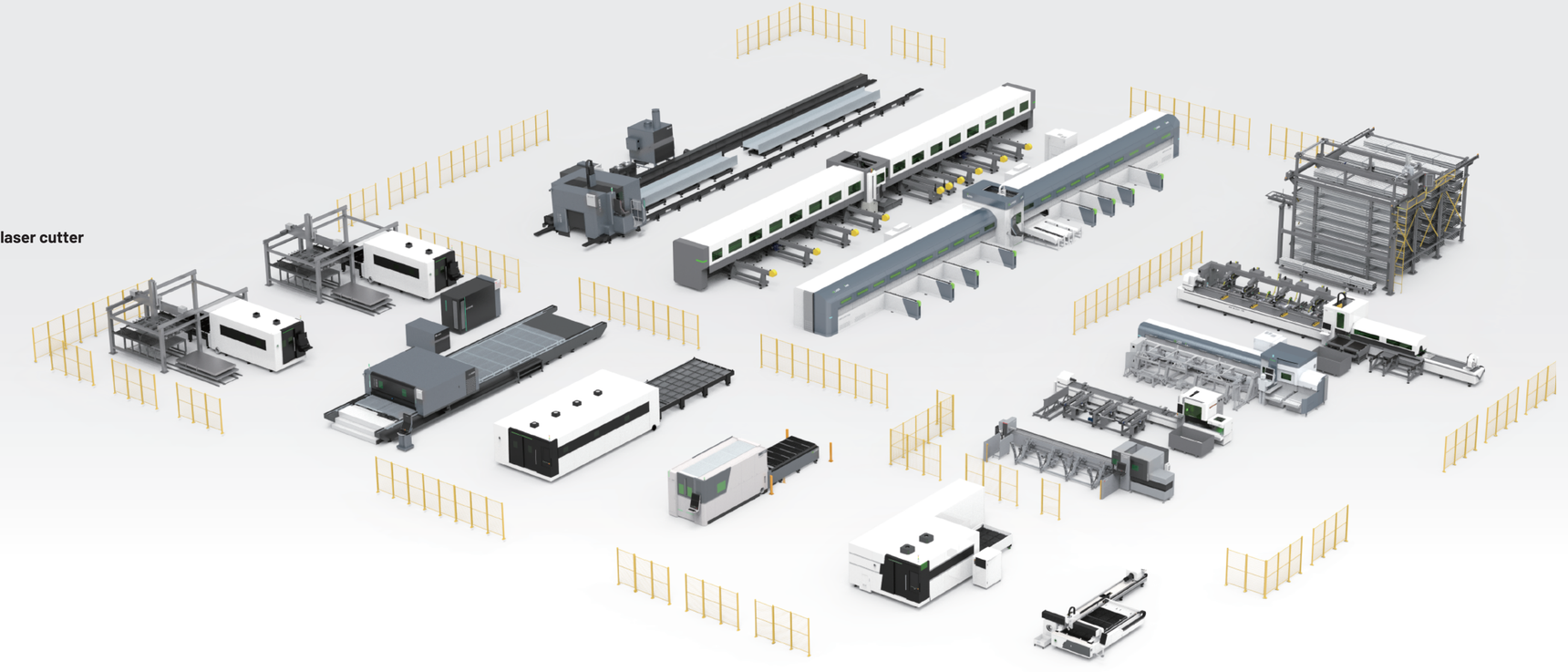
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◎ Automated production line for tube processing

Tube Intelligent production line

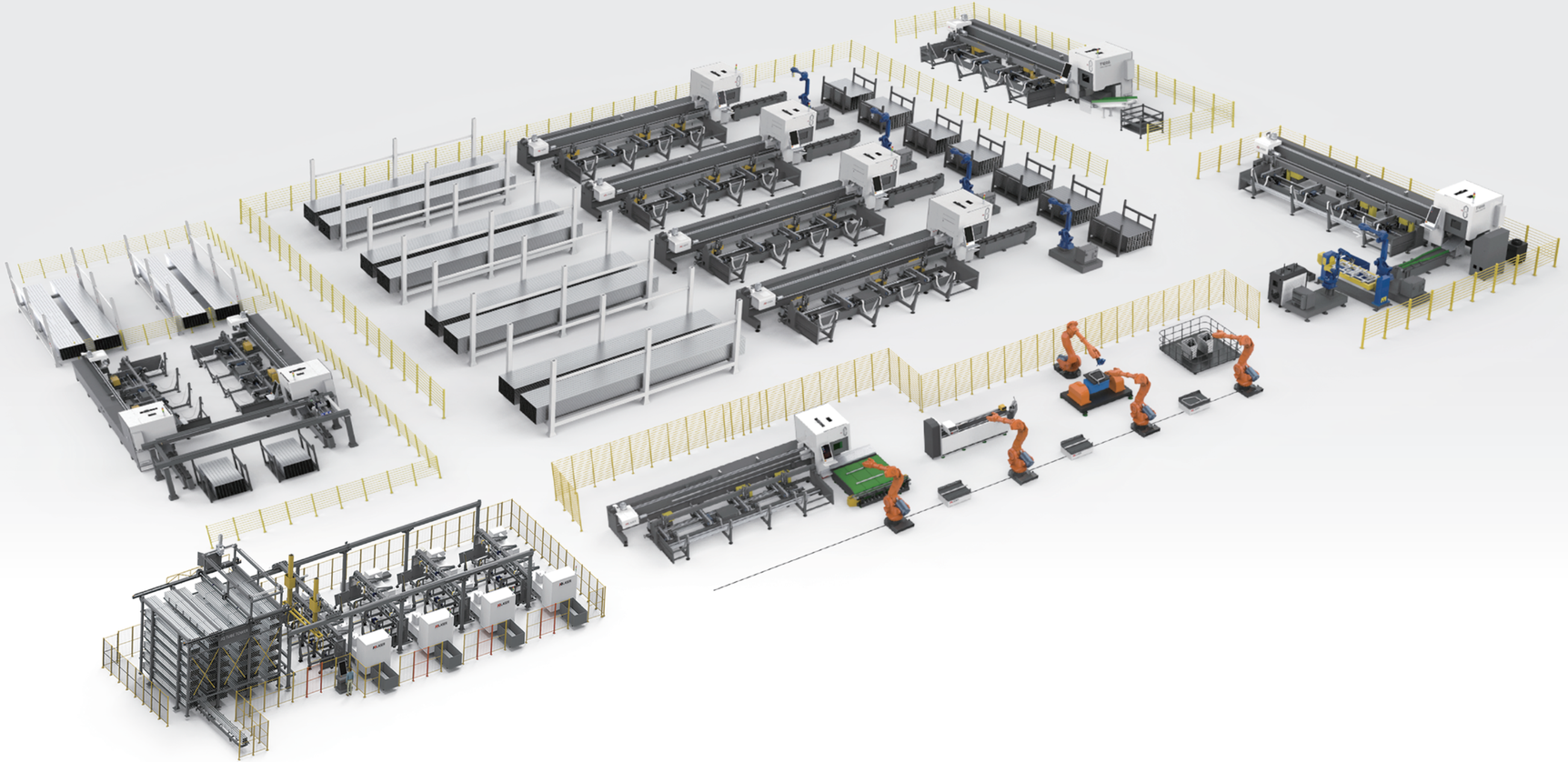
Introduction to the production line

Pipe processing intelligent production line for flexible processing of metal pipes to provide more possibilities, fully automated intelligent production to reduce manual labor, reduce the operating costs of enterprises to improve production and processing efficiency.

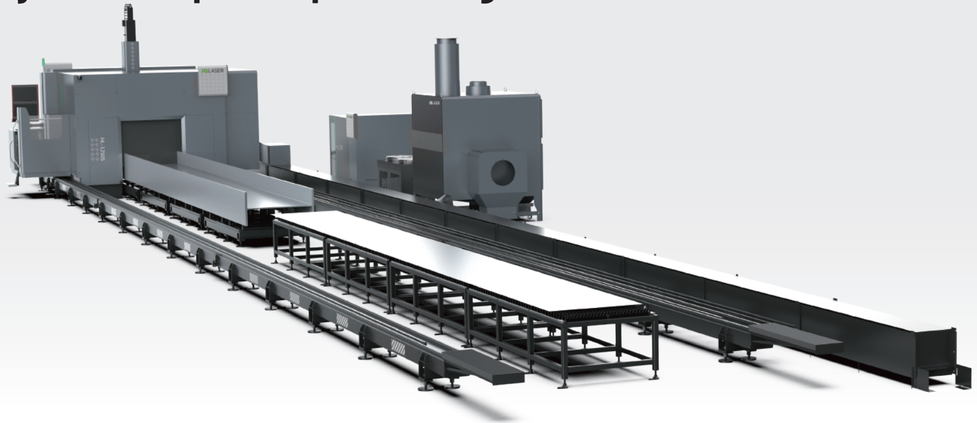
Multi-modular design, can be combined with the actual processing needs of the industry to customize the selection of a variety of advanced intelligent processing modes for enterprises to quickly put into production to help.

This program is designed for the school furniture industry, pipe processing intelligent production line, automatic loading system, pipe cutter host, welding robot, handling robot and other multi-chain synergistic cooperation. can achieve automatic loading, automatic cutting, automatic sorting, automatic welding, automatic palletizing and so on.

Scan the QR code to enter
Industry consultants will provide you with solutions



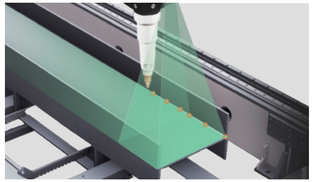
◎ Gantry movable profile processing center



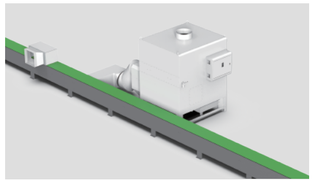
Technical parameters

Item	HL1250S
Maximum cutting length	≤27000mm
H-beam size range	200×100mm~1250×600mm
Maximum running speed	30m/min
Laser head	JQ/Boci
Laser source	Max Photonics/Raycus
Laser power	20000W/30000W

Functional options

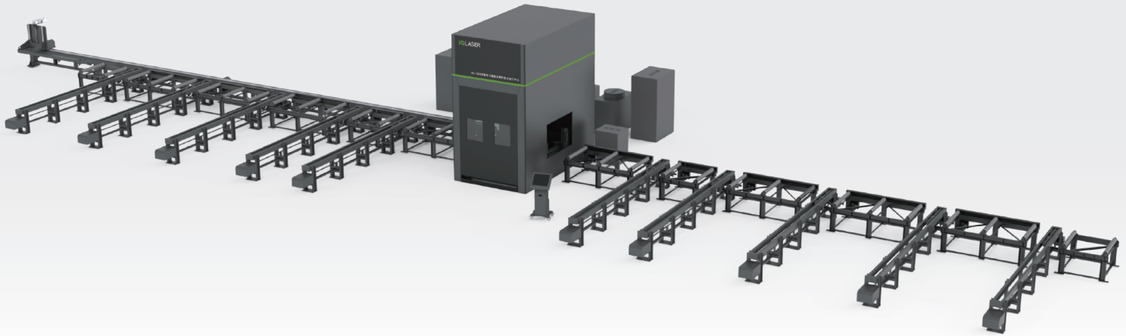


Laser Profiling



Intelligent exhaust system

○ Intelligent 3D laser profile composite processing center



Technical parameters

Item	Intelligent 3D Laser Profile Composite Processing Center
Maximum cutting length	20000mm
Maximum diameter per tube	150×150mm~1000×500mm
Maximum running speed	20m/min
Laser head	JQ/Boci
Laser source	Max Photonics/Raycus
Laser power	20000W/30000W

Industry applications



Engineering machinery



Port machinery



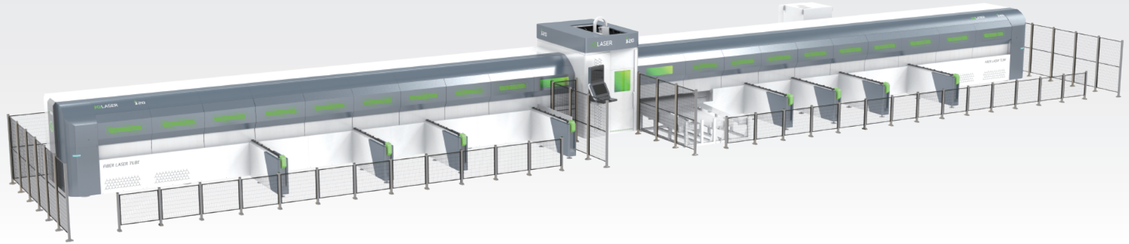
Steel structure

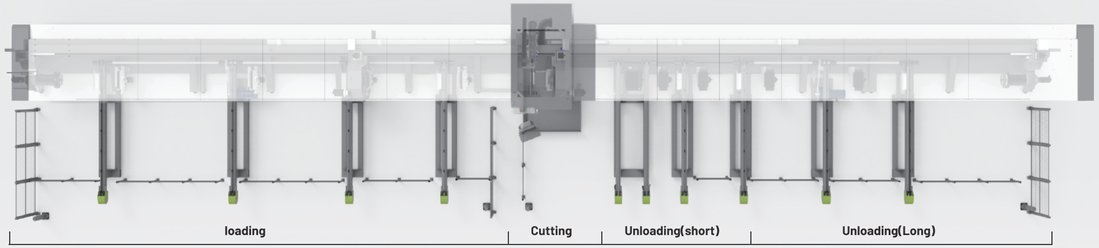


Shipbuilding

◎ Big sized H beam / open profile / tubes fiber laser cutter

Heavy duty four-chuck series







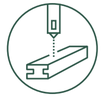
Fully sealed precision chuck
High load capacity and good sealing



Automatic positioning of the center of rotation of the pipe



Various profile cutting
Channels / Angles / H-beams
Square tubes / Round tubes



Supports segmental piercing, progressive piercing, and pre-piercing functions.

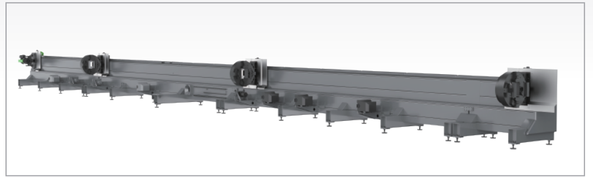


Files capable to import

Technical parameters

Item	▢ FLT-12050FTS
Diameter	Φ50-500mm
Max. length of loading	12500mm
Max. length of unloading	12500mm
Loading quantity of loading rack	5pcs
Max.weight per tube	2000kg
Positioning accuracy	±0.05 mm/m
Laser power	6000W/12000W/20000W
Repeat positioning accuracy	±0.05mm/m
Y-axis maximum moving speed	40m/min
Tailing length	≥0mm
Automatic loading range	◯ ▢ ▭ ⌶ ∟

Advantages



Full stroke pneumatic chuck



Servo follow-up support

◎ Big sized H beam / open profile / tubes fiber laser cutter

Heavy duty vertical full cover three-chuck series





Technical parameters

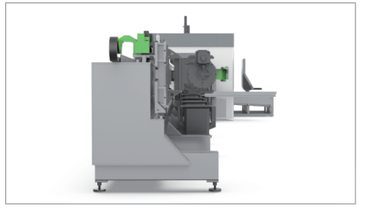
Item	i 14	i 20	i 25
Diameter	Φ 40~360mm ☐ 40~360mm	Φ 50~500mm ☐ 50~500mm	Φ 50~650mm ☐ 50~420mm
Max. length of loading	9500mm/12500mm(Options)	9500mm/12500mm(Options)	9500 mm/12500 mm(Options)
Max. weight per tube	1200kg	2200kg	3000kg
Tailing length	≥0mm	≥0mm	≥0mm
Positioning accuracy	±0.05 mm/m	±0.05 mm/m	±0.05 mm/m
Max. length of unloading	9500/12500mm(Options)	9500/12500mm(Options)	9500/12500mm(Options)
Max. chuck acceleration	0.5G	0.5G	0.5G

Options



Chain feeding

Advantages



High stability machine base



CE certified electrical system

◎ Medium sized H beam / open profile / tubes fiber laser cutter

Horizontal three-chuck series



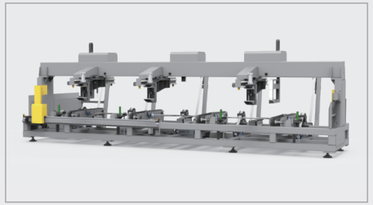
Technical parameters

Item	◎ FLT-12024ET	▢ FLT-12028ET	▢ FLT-12035ET
Diameter	Φ20mm~240mm	Φ20mm~280mm	Φ20mm~350mm
Max. length of loading	12m/9m/6m(Options)	12m/9m/6m(Options)	12m/9m/6m(Options)
Chuck max rotating speed	80rpm	80rpm	80rpm
Positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m
Max. travel speed	80m/min	60m/min	60m/min
Max. chuck acceleration	0.8G	0.8G	0.8G
Voltage	380V/50Hz (60Hz)	380V/50Hz (60Hz)	380V/50Hz (60Hz)

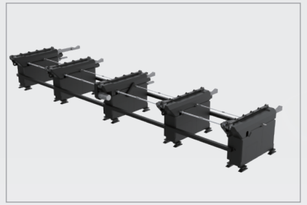
Samples



Functional options



Fully automatic loading system



Chain table feeding system



Feeding conveyor belt system



±45° Bevel head





Loading:12m



Unloading:6m



Loading:12m



Unloading:9m



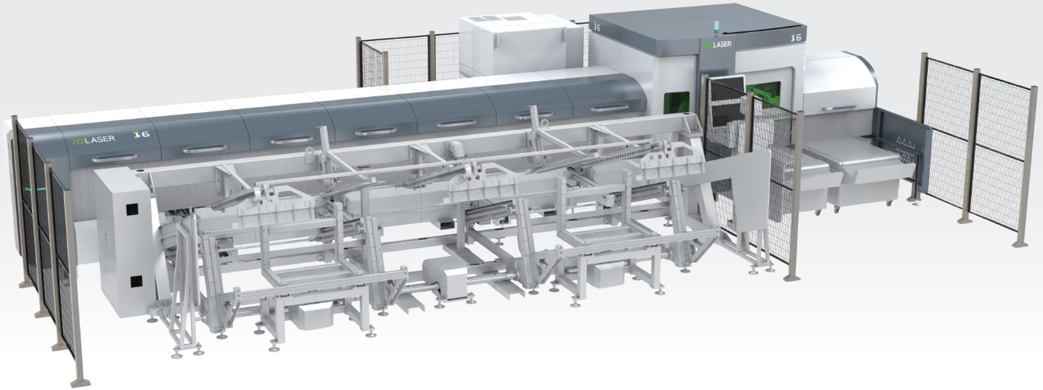
Loading:12m



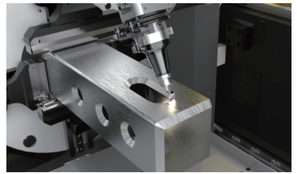
Unloading:12m

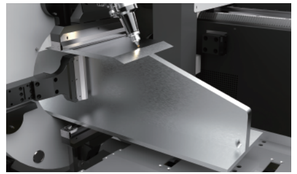
◎ Small and medium sized H beam / open profile / tubes fiber laser cutter

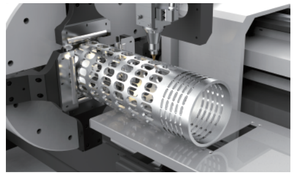
Vertical full cover two-chuck series

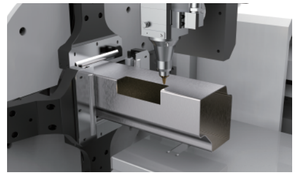


Bevel cutting

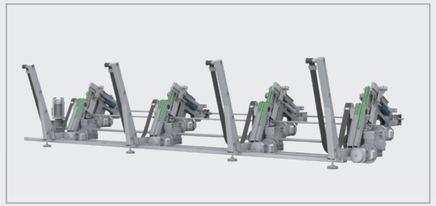




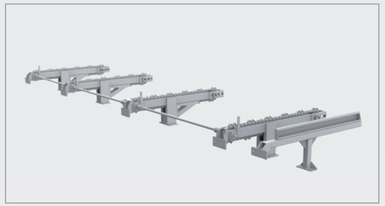




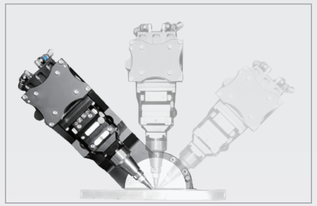
Functional options



Bundle loader



Chain loader



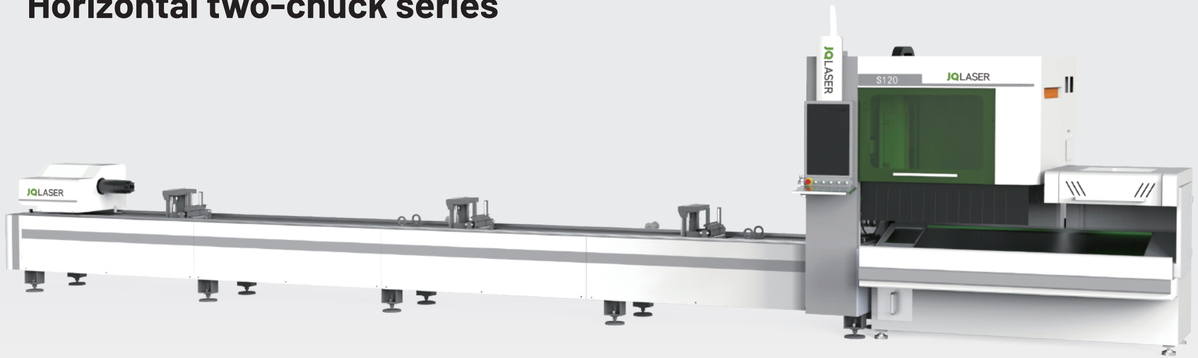
Zero-Swing laser head

Technical parameters

Item	□i5	□ i 6	□ i 9	□i 11
Diameter	Φ15mm~120mm	Φ15mm~160mm	Φ20mm~240mm	Φ20mm~280mm
Max. length of loading	6500mm/7500mm(Options)	6500mm/7500mm(Options)	6500mm/7500mm(Options)	6500mm/7500mm(Options)
Max weight for each tube	80kg	120kg	300kg	600kg
Tailing length	≥0mm	≥0mm	≥0mm	≥0mm
Chuck max rotating speed	150rpm	120rpm	100rpm	80rpm
Positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m
Y axis max travel speed	90m/min	90m/min	80m/min	80m/min
Max. chuck acceleration	1.5G	1.2G	1G	0.8G
Voltage	380V/50Hz (60Hz)	380V/50Hz(60Hz)	380V/50Hz(60Hz)	380V/50Hz/60Hz

◎ Small and medium sized H beam / open profile / tubes fiber laser cutter

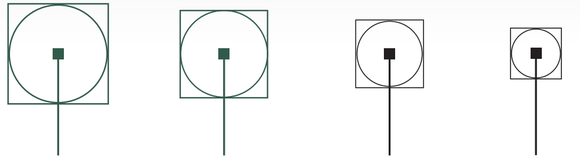
Horizontal two-chuck series



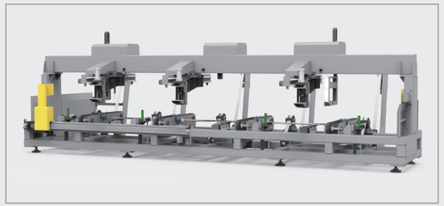
Samples



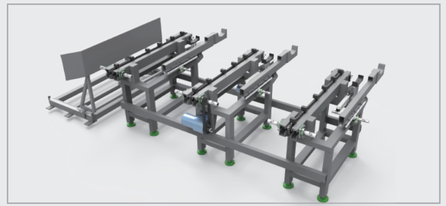
Cutting diameter



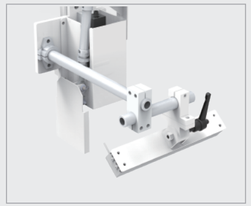
Functional options



Bundle loader



Chain loader



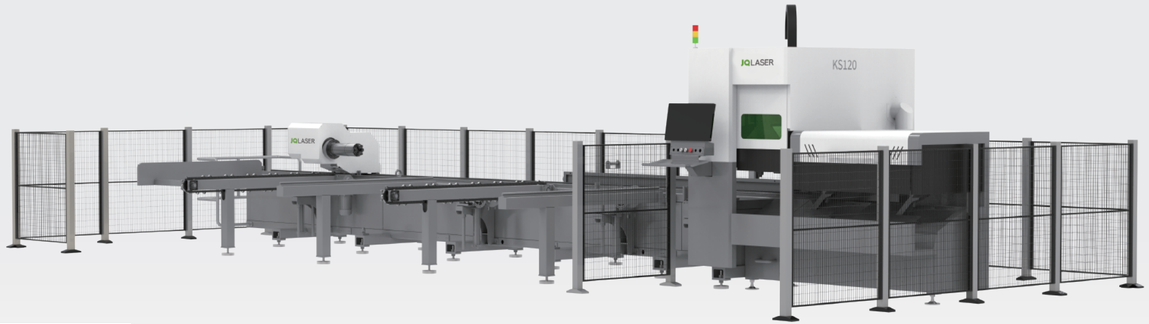
Welding beam detection

Technical parameters

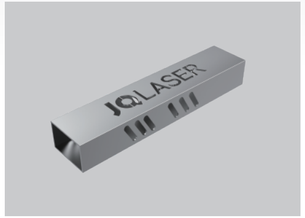
Item	▢ S120	▢ S160	▢ S240	▢ S280
Diameter	Φ15mm~120mm	Φ15mm~160mm	Φ20mm~240mm	Φ20mm~280mm
Max. length of loading	6500mm	6500mm	6500mm	6500mm
Max. weight for each tube	80kg	120kg	300kg	400kg
Tailing length	≥90mm	≥90mm	≥90mm	≥120mm
Max Chuck rotating speed	150rpm	120rpm	80rpm	80rpm
Positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm
Y axis max travel speed	80m/min	80m/min	60m/min	60m/min
Max. chuck acceleration	1.5G	1G	1G	0.8G
Voltage	380V/50Hz (60Hz)	380V/50Hz (60Hz)	380V/50Hz (60Hz)	380V/50Hz (60Hz)

◎ Small sized H beam / open profile / tubes fiber laser cutter

KS series high speed laser tube cutter



Samples

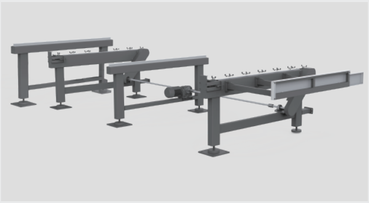




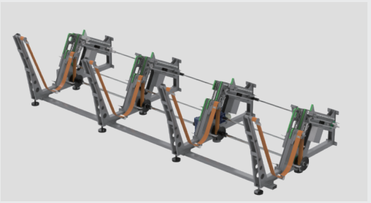




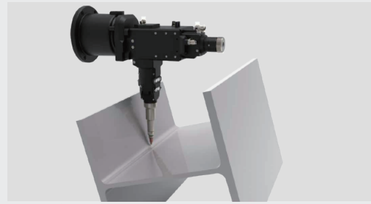
Functional options



Chain loader



Bundle loader



±45° Bevel head

Technical parameters

Item	KS120	KS160
Diameter	Φ15mm-120mm	Φ15mm-160mm
Max. loading length	L≤6500mm	L≤6500mm
Max. weight for each tube	120kg	180kg
Acceleration	1.5G	1.0G
Max. rotating speed	150r/min	120r/min
Laser power	1500W/2000W/3000W	1500W/2000W/3000W
Feeding speed	150m/min	120m/min
Automatic loading range	□ ○ ▭	□ ○ ▭
Positioning accuracy	±0.05	±0.05
Repeat positioning precision	±0.03	±0.03
Voltage	380V/50Hz (60Hz)	380V/50Hz (60Hz)

Industry Applications



Auto Parts



Electric Vehicle Accessories



Jacks



Racks

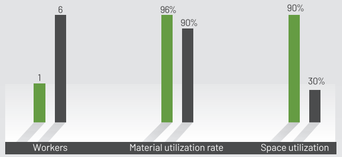
◎ Automated production line for plate processing

Plate automatic production line



Three-dimensional storage, reasonable space allocation

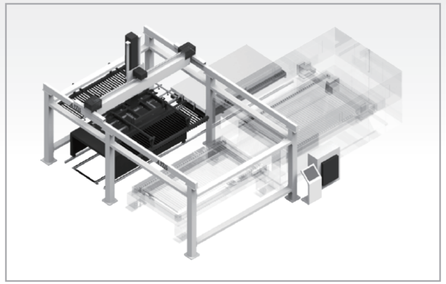
It adopts 8-layer shelves, three-dimensional storage, and compact structure. The single-layer load capacity is 1200kg, and the storage is tight and orderly, realizing efficient and reasonable utilization of plant space resources.



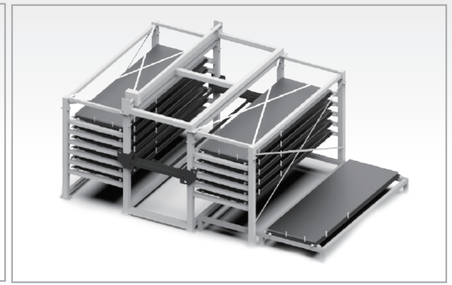
- **Optimized Machine Utilization**
- **70%+ Improved Space**
- **Save Your Cost in Each Step**

Technical parameters	
Working area	3000x1500mm
Lifting Stroke	300 mm
Lifting Speed	60 m/min
Z-axis travel	360mm
X . Y axis positioning accuracy	±0.05mm/m
Acceleration	1.5G
Maximum linkage speed	140m/min
Maximum table loading weight	1000kg
Laser power	12000W-20000W
Voltage	380V/50Hz(60Hz)

Functional options



Laser automation unit

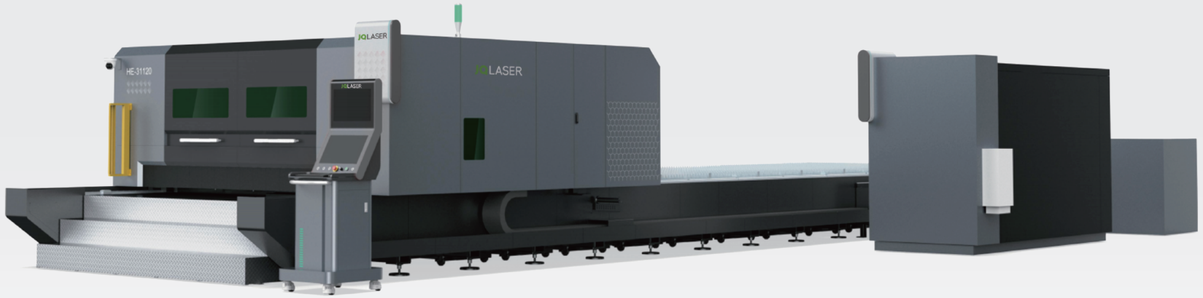


Storage unit (double row)



Storage unit (single column)

Large format plate laser cutter



Automatic adjustment of focus length

Control of focus lens position

Reduced machine power consumption through lower drive rates

Separate dust proof console with operating data for quick operation

Status line shows the nesting results and list of remaining parts

Technical parameters

Item	JQ-31120HE	JQ-31140HE	JQ-31240HE
Working table	3100x12000mm	3100x14000mm	3100x24000mm
Max. linkage speed	140m/min	140m/min	140m/min
Max. Acceleration	1Gm/s^2	1Gm/s^2	1Gm/s^2
Location percision	±0.05 mm/m	±0.05 mm/m	±0.05 mm/m
Repeat positioning precision	±0.03 mm/m	±0.03 mm/m	±0.03 mm/m
X-axis travel	3100mm	3100mm	3100mm
Y-axis travel	12000mm	14000mm	24000mm
Table load bearing	10000kg	15000kg	20000kg
Laser power	6000W-30000W	6000W-30000W	6000W-30000W



- Fully enclosed design;
- Smart cutting control system, easy operation;

Functional options

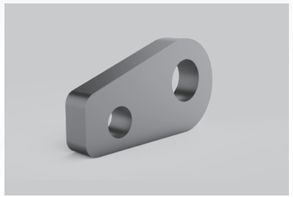


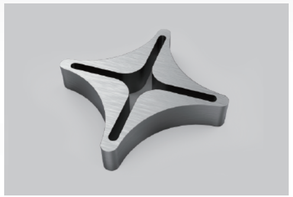
Safety laser scanner

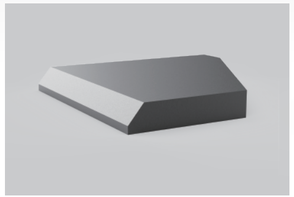


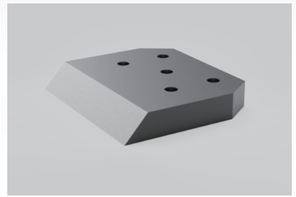
±45° Bevel head

Samples

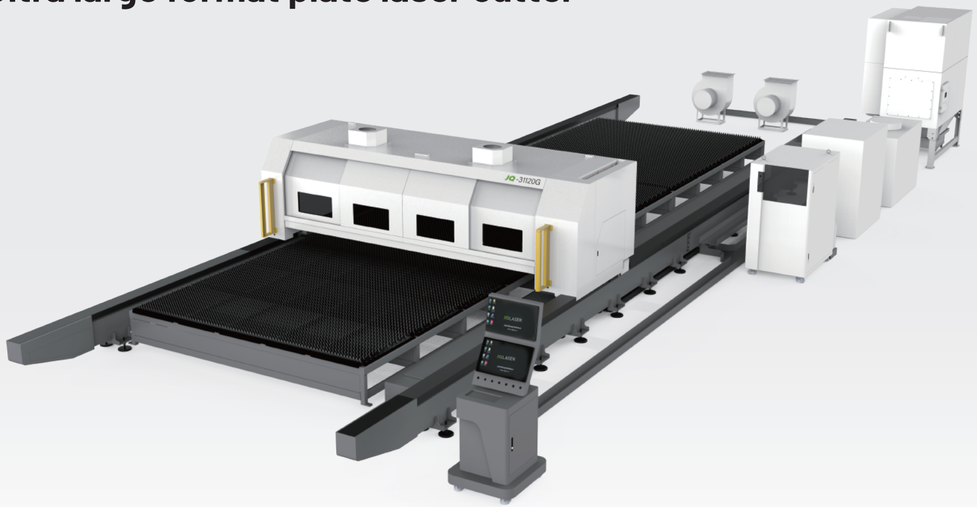








Ultra large format plate laser cutter





Automatic adjustment of focus length



Control of focus lens position



Reduced machine power consumption through lower drive rates



Separate dust proof console with operating data for quick operation



Status line shows the nesting results and list of remaining parts

Technical parameters

Item	31120G/31240G/31320G	35120G/35240G/35320G	40120G/40240G/40320G
Equipment structure	Ground track	Ground track	Ground track
Cutting format	3.1x12m/24m/32m	3.5x12m/24m/32m	4x12m/24m/32m
Plate requirements	≥1mm	≥1mm	≥1mm
Max. linkage speed	60m/min	60m/min	60m/min
Max. lacceleration	0.8G	0.8G	0.8G
X-axis travel	3100mm	3500mm	4000mm
Y-axis travel	12.5m/24.5m/32.5m	12.5m/24.5m/32.5m	12.5m/24.5m/32.5m
Z-axis travel	150mm	150mm	150mm
Positioning precision	±0.05mm/m	±0.05mm/m	±0.05mm/m
Laser power	30000W-60000W	30000W-60000W	30000W-60000W

Industry applications



Truck parts



Engineering machinery

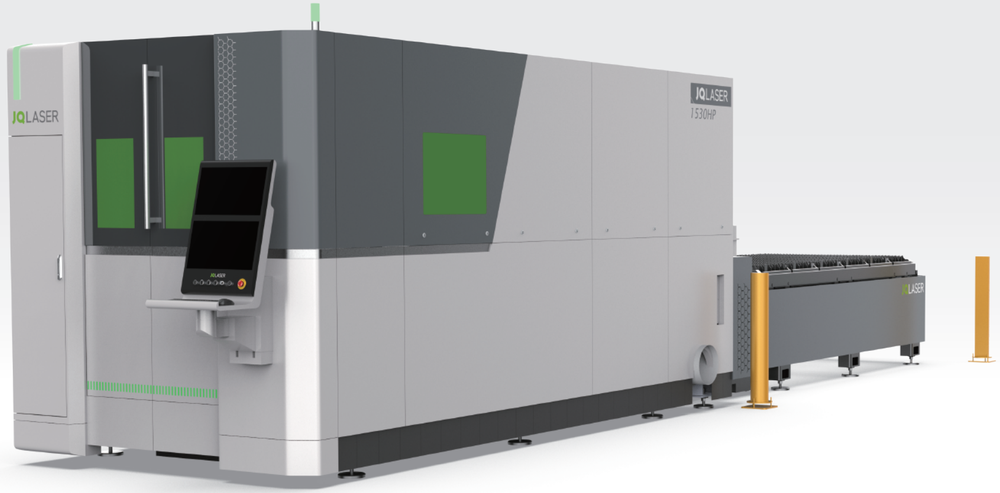


Port machinery



New energy industry

◎ High power exchange platform plate laser cutter



Automatic adjustment of focus length

Control of focus lens position

Reduced machine power consumption through lower drive rates

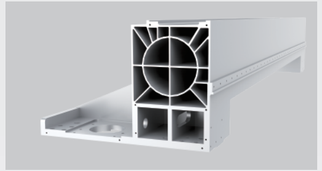
Separate dust proof console with operating data for quick operation

Status line shows the nesting results and list of remaining parts

Technical parameters

Item	JQ-1530HP	JQ-2040HP	JQ-2560HP
Working area	3000x1500mm	2000X4000mm	6000x2500mm
X-axis travel	1550mm	2050mm	2550mm
Y-axis travel	3050mm	4050mm	6100mm
Z-axis travel	360mm	360mm	360mm
X . Y axis positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m
Acceleration	1 .5G	1 .5 G	1.5 G
Maximum linkage speed	140m/min	140m/min	140m/min
Maximum table loading weight	2200kg	2000kg	3600kg
Laser power	12000W-20000W	12000W-20000W	12000W-20000W
Voltage	380V/50Hz(60Hz)	380V/50Hz(60Hz)	380V/50Hz(60Hz)

Advantages



Aircraft aluminum beam



High stability machine base

Industry applications



Shipbuilding



Engineering machinery



Port machinery



New energy industry

Combo plate and tube laser cutter



Classic Model



Full cover Model



Automatic adjustment of focus length



Control of focus lens position



Reduced machine power consumption through lower drive rates



Separate dust proof console with operating data for quick operation



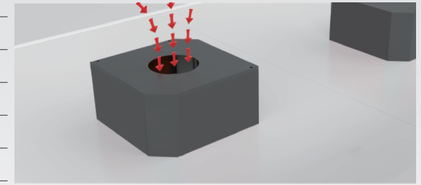
Status line shows the nesting results and list of remaining parts

Technical parameters

Item	JQ-1530CP	JQ-2040CP
Working area	3000x1500mm	4000x2000mm
Pipe cutting specifications	Φ20-220mm, L=6000mm	Φ20-220mm, L=6000mm
X-axis travel	2520mm	3100mm
Y-axis travel	3050mm	4050mm
Z-axis travel	360mm	360mm
X . Y axis positioning accuracy	0.05mm/m	±0.05mm/m
Acceleration	1.0G	1.0G
Maximum linkage speed	100m/min	100m/min
Maximum table loading weight	750kg	1200kg
Laser power	1000W-6000W	1000W-6000W

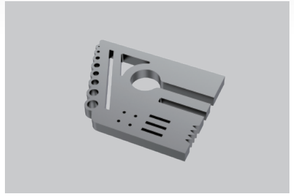


Aircraft aluminum beam

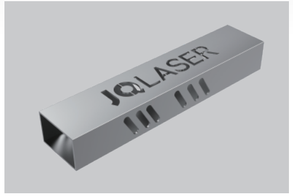


Negative pressure exhaust device

Samples









Single plateform laser cutter



Technical parameters	
Item	**JQ-1530EP**
Working area	3000mm×1500mm
X-axis travel	1500mm
Y-axis travel	3000mm
Z-axis travel	120mm
X . Y axis positioning accuracy	0.05mm/m
Acceleration	1.0G
Maximum linkage speed	80m/min
Maximum table loading weight	3kw:750kg / 6kw:1000kg
Laser power	6000W-6000W
Power supply	380V/50HZ(60HZ)



Automatic adjustment of focus length



Control of focus lens position



Reduced machine power consumption through lower drive rates



Separate dust proof console with operating data for quick operation

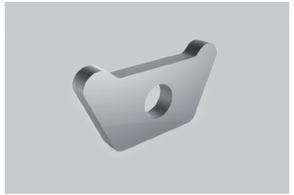


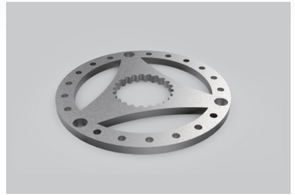
Status line shows the nesting results and list of remaining parts



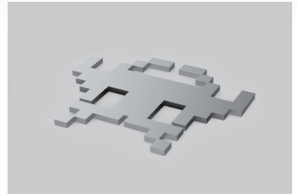
Technical parameters	
Item	**JQ-1530HE**
Working area	3000mm×1500mm
X-axis travel	1550mm
Y-axis travel	3050mm
Z-axis travel	120mm
X . Y axis positioning accuracy	0.05mm/m
Acceleration	1.2G
Maximum linkage speed	120m/min
Maximum table loading weight	1000kg
Laser power	6000W-20000W
Power supply	380V/50HZ(60HZ)

Samples

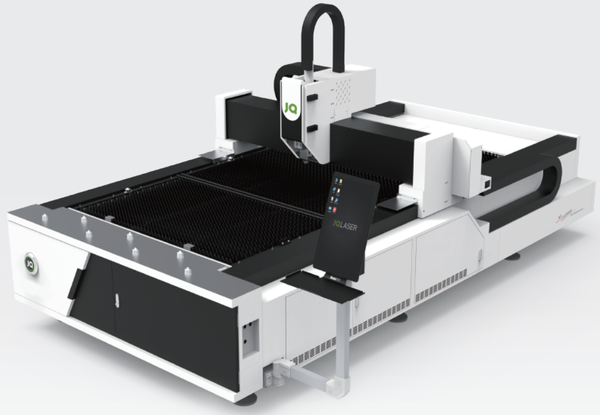








Open type plate metal cutter



Technical parameters	
Item	**JQ-1530E**
Working area	3000mm×1500mm
X-axis travel	1550mm
Y-axis travel	3050mm
Z-axis travel	120mm
X . Y axis positioning accuracy	0.05mm/m
Acceleration	1.2G
Maximum linkage speed	120m/min
Maximum table loading weight	750kg
Laser power	1000W-6000W
Power supply	380V/50HZ(60HZ)



Technical parameters	
Item	**JQ-1530C**
Working area	3000mm×1500mm
X-axis travel	2480mm
Y-axis travel	3050mm
Z-axis travel	270mm
X . Y axis positioning accuracy	±0.05mm/m
Diameter	Φ20-200mm,L=6000mm
Acceleration	1G
Maximum linkage speed	80m/min
Laser power	1000W-6000W
Power supply	380V/50HZ(60HZ)



Automatic adjustment of focus length



Control of focus lens position



Reduced machine power consumption through lower drive rates



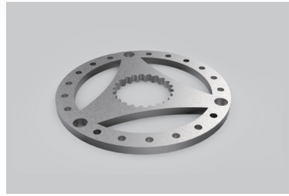
Separate dust proof console with operating data for quick operation



Status line shows the nesting results and list of remaining parts

Samples









◎ HW mini precision water-cooled hand-held laser welding machine

Laser welding/cleaning machine

- Minimum amount of consumables.
- Stable and high quality weld. No heating of weld-affected zone.
- Laser welding is 10 times faster than a conventional arc welding.
- Laser welding machine is easy to operate and readjust when material is changed.



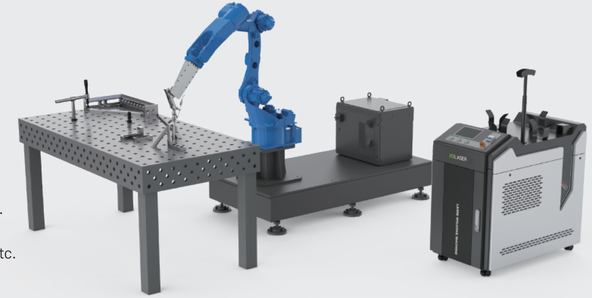
Technical parameters

Item	JQ-3000HW		MINI 3 in 1	
Laser source	3000W	3000W	1000w/1500w/2000w	1000w/1500w/2000w
Laser wavelength	1070nm	1070nm	1070nm	1070nm
Fiber core diameter	50μm	0.0020in	50μm	50μm
Fiber length	10m	32.81 ft	10m	10m
Galvo width	0.5-6mm	0.02-0.24 in	0.5-6mm	0.5-6mm
Scanning speed	≤8000mm/s	≤26.25 ft/s	≤8000mm/s	≤8000mm/s
Welding speed	0-120mm/s	0-0.39ft/s	0-120mm/s	0-120mm/s
Welding seam requirements	≤1.5mm	≤0.06in	≤1.5mm	≤1.5mm
Overall power	≤15kw	≤15kw	6kw/8kw/10kw	6kw/8kw/10kw
Product size	1350X600X1300mm	53.15×23.62×51.18in	930X540X870mm	930X540X870mm

Item	JQ-3000HC laser cleaning machine	
Laser source	1000w/1500w/2000w	1000w/1500w/2000w
Laser wavelength	1070nm	1.07μm
Laser type	Optical fiber	Optical fiber
Fiber length	10m	393.70in
Scanning amplitude	150mm/300mm	5.91 in/11.81 in
Operation mode	Handheld/Automation	Handheld/Automation
Refrigeration unit	Water Chiller	Water Chiller
Working voltage	220V/380V10%;50/60HZ	220V/380V10%;50/60HZ
Overall power	10kw	10kw
Product size	1350×600×1300mm	53.15×23.62×51.18in

◎ Robot laser welding machine

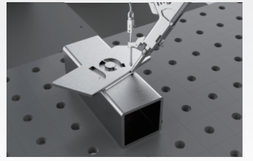
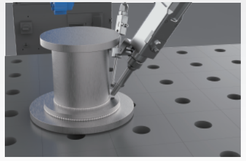
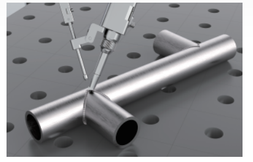
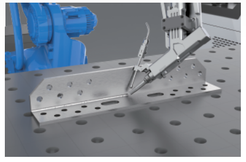
- Ergonomic design, high welding efficiency.
- No consumables. Almost maintenance-free.
- To remove rust of various density and thickness with no damage to metal surfaces.
- No mechanical impact or damage. No supplementary contamination, sand, dust, etc.



Technical parameters

Item	JQ-2000RW		JQ-2000AW	
Laser source	2000w	2000w	2000W	2000W
Laser wavelength	1070nm	1070nm	1070nm	1070nm
Laser type	Optical fiber	Optical fiber	Optical fiber	Optical fiber
Welding speed	0-120mm/s	0-0.39 ft/s	0-120mm/s	0-0.39ft/s
Galvo width	0.5-6mm	0.02-0.24 in	0.5-6mm	0.02-0.24in
Operation mode	Handheld/Automation	Handheld/Automation	Continuous/Modulation	Continuous/Modulation
Refrigeration unit	Water Chiller	Water Chiller	Water Chiller	Water Chiller
Working voltage	220V/380V10%;50/60HZ	220V/380V10%;50/60HZ	220V/380V10%;50/60HZ	220V/380V10%;50/60HZ
Overall power	≤10KW	≤10KW	12kw	12kw

Sample

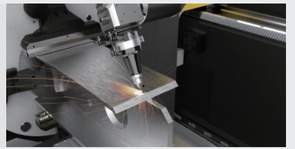
◎ International marketing service network marketing in domestic and overseas

Global service



Pre-sales service

Provide various production process solutions free of charge for prospective customers, including technical consultation, sample cutting, equipment selection, and customize and make corresponding adjustments according to customer requirements.



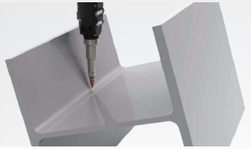
Installation

While delivering equipment to customers on schedule, we will dispatch technical service engineers to install on site. If the installation and debugging conditions of the user are available, the technical service engineer will complete the orderly installation and debugging of the equipment within 3-5 working days.



Technical training

Technical training is provided free of charge. After the installation and commissioning of the user site is completed, 1-2 operators and maintenance personnel are trained on the user side. The training content includes laser principle, equipment structure, process description, equipment maintenance, laser safety protection, operation procedures and simple troubleshooting.



Equipment maintenance

We provide users with a full range of after-sales service. 24-hour after-sales service hot line and reaction procedure, and provide customers with online or on-site machine troubleshooting and maintenance from time to time.

