RAYTOOLS EMP SERIES



High Precision Micro Laser Cutting Station—Linear Motor Driven

Processing Size $500 \times 400 \sim 1250 \times 1250 mm$

High precision linear guide with high repeated positioning accuracy, less wearing and stable performance.

RayTools CNC controller based on EtherCAT protocol. Friendly HMI with high flexibility and easy expanding.

Applicable to laser cutting in jewelry, glasses, ceramics, aluminium substrates, luminaire finish, kitchen appliance, mobile communication, digital products, electronics components, watch & clock, computer accessories and instruments etc.



Raytools laser cutting head along with EtherCAT height sensor to safeguard the cutting.

Highly dustproof class IP 5x.

CCD vision system is optional.

Laser source and chiller are optional.

Item		EMP5040	EMP6060	EMP8080	EMP1250
Linear Encoder(Fagor) Marble Visual Positioning Range (if CCD vision system is mounted) Max. Acceleration		Resolution Ratio 1µm	Resolution Ratio 0.5µm	· · · · · · · · · · · · · · · · · · ·	Resolution Ratio 0.5μm 2300* 2208*200
		1400* 1350*200	1800* 1350*200		
		500*290.5mm	600*490.5mm 800*690mm		1250*1140mm
		1g	1.5g	1.5g	1.5g
Process	ing Size	500*400mm	600*600mm	800*800mm	1250*1250mm
X-Axis	Fast-Moving Speed	60m/min	60m/min	60m/min	60m/min
	Effective Travel	400mm	600mm	800mm	1250mm
	Positioning Accuracy (Cutting)	±20μm	±20μm	±20μm	±40μm
	Repeated Positioning Accuracy	±5μm	±5μm	±5μm	±5μm
Y-Axis	Fast-Moving Speed	60m/min	60m/min	60m/min	60m/min
	Effective Travel	500mm	600mm	800mm	1250mm
	Positioning Accuracy (Cutting)	±20μm	±20μm	±20μm	±40μm
	Repeated Positioning Accuracy	±5μm	±5μm	±5μm	±5μm
Z-Axis	Travel	100mm	100mm	100mm	100mm

RAYTOOLS 1530^{eco} SERIES



Single Platform Fiber Laser Cutting Machine

Processing Size 3000×1500mm



Reinforced welding machine bed through high temperature tempering, which helps for stress relief in vibrating.

Professional high precision anti-collision laser cutting head to achieve the best cutting effect.

Item		Specification
Sheet Processing Size (Length	×width)	3000*1500mm
X-axis Travel		1500mm
Y-axis Travel		3000mm
Laser Power	1000/150	0/2000/3000/6000W
X/Y-axis Positioning Accuracy		±0.05mm/m

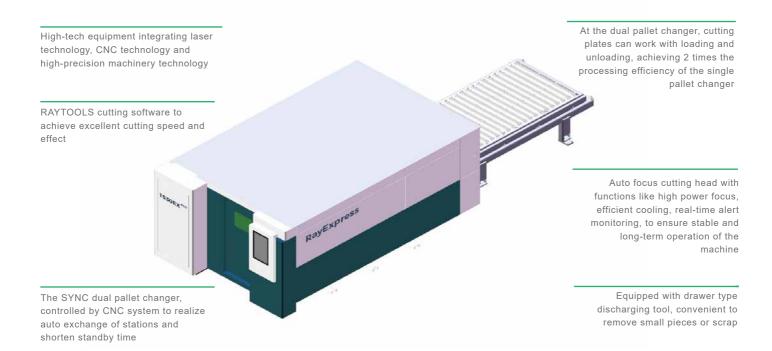
Item	Specifications
X/Y-axis Repeated Positioning	±0.03mm
CNC System	RayTools
Phase Number	3
Main Power Protection Class	IP54

RAYTOOLS 1530EX eco SERIES



Fiber Laser Cutting Machine

Processing Size 3000×1500mm



Item	Specification
Sheet ProcessingSize(Length×Width)	3000*1500mm
X-axis Travel	1520mm
Y-axis Travel	3040mm
Z-axis Travel	260mm
X/Y-axis Positioning Accuracy	±0.03mm/m
X/Y-axis Repeated Positioning	±0.03mm

Item	Specifications
X/Y-axis Speed-Max	100m/min
X/Y-axis Acceleration-Max	1G
Laser Power	3000/6000W
Workbench Weight Capacity-Max	~700Kg
Boundary Dimension (L×W×H)	9000×4800×2200mm
Phase Number	3-phase & 5-wire

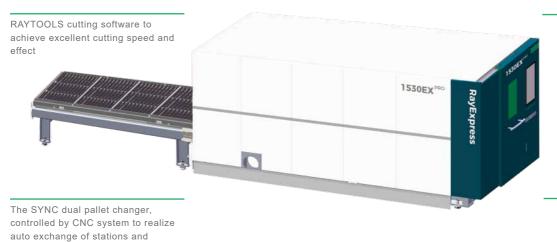
RAYTOOLS 1530EX^{pro} SERIES



Fiber Laser Cutting Machine

Processing Size 3000×1500mm

High-tech equipment integrating laser technology, CNC technology and high-precision machinery technology



At the dual pallet changer, cutting plates can work with loading and unloading, achieving 2 times the processing efficiency of the single pallet changer

Auto focus cutting head with functions like high power focus, efficient cooling, real-time alert monitoring, to ensure stable and long-term operation of the

Equipped with drawer type discharging tool, convenient to remove small pieces or scrap

Technical Data

shorten standby time

Item	Specification
Sheet Processing Size(Length×Width)	3000*1500mm
X-axis Travel	1545mm
Y-axis Travel	3050mm
Z-axis Travel	270mm
X/Y-axis Positioning Accuracy	±0.03mm/m
X/Y-axis Repeated Positioning	±0.03mm
X/Y-axis Speed-Max	140m/min
X/Y-axis Acceleration-Max	2G

Item	Specifications
Laser Power	3000/6000/12000W
Workbench Weight Capacity-Max	~1200Kg
Boundary Dimension (L×W×H)	8900×2270×2300mm
Total Weight	~7000kg
Main Power Protection Rating	IP54

EMP9000 SERIES



Linear Motor Laser Cutting Module

High presion linear guide with high repeated positioning accuracy, less wearing and stable performance.

RayTools CNC controller based on EtherCAT protocol. Friendly HMI with high flexibility and easy expanding.

Highly dustproof class IP 5x.

Applicable to laser cutting in jewelry, glasses,ceramics,aluminium substrates,luminaire finish, kitchen appliance, mobile communication, digital products, electronics components, watch & clock, computer accessories and



Single-Drive Gantry 500x400mm



Double-Drive Gantry 600x600mm



Raytools laser cutting head along with EtherCAT height sensor to safeguard the cutting.

Laser source and chiller are optional.

CCD vision system is optional.



- Supporting for three modes: one-Mark point positioning mode, two-Mark points positioning modes + rotation, three-Mark points positioning modes + precise rotation
 - Supporting for multiple processing methods, with optional grouping operation function and workpiece coordinate systems on the same sheet to avoid interference
- The software remains the common functions of the layer processing system in laser cutting, covering Leadline, Compensation and MicroJoint
 - Convenient camera settings, integrating positioning and dynamic recognition functions -
 - High-precision CNC processing method -
 - Specific saving and importing models, retaining all marking information -

LCT6020 SERIES



Tube Cutting Machine

Positioning Accuracy

±0.03mm

Auto clamping and centering to achieve accurate feeding of square tube and high cutting accuracy.

Zero waste and optional bevel cutting function



Applicable for processing tubes covering square type, round type, rectangular type, shaped type, I-beam type and U-steel

The cutting software supports the processing of any complex graphics on the tube surface, including opening, cutting, intersecting lines and micro cutting of shaped complex graphics, which is difficult to work by conventional processing.

Item	Specification
X-axis Travel	6000mm-12000mm
Y-axis Travel	300mm
Z-axis Travel	160mm-350mm

Item	Specifications
Mechanical Positioning Accuracy	±0.03mm
Rotation Axis Repeated Positioning	±8 Arc-minute
Linear Axis Speed-Max	90m/min

LC1530T SERIES



Sheet & Tube Laser Cutting Machine

0.8G Acceleration



Item	Specification
Processing Range	3000*1500mm~6000*2500mm
Mechanical Positioning Accu	uracy ±0.03mm
Mechanical Repeated Position	oning ±0.02mm

Item	Specifications
Positioning Speed-Max	100m/min
Acceleration-Max	0.8G

RayLoad SERIES



Gantry-Type Loading System

Loading Sheet Size 3000x1500~2500X1250mm

Integral three-dimensional storage tower + auto loading robot, forming a production system integrating sheet storage, auto conveying and loading.

It is driven by servo motor through precision reducer, with heavy-duty quite linear guide. Lifting speed is 5-11.5m/min and adjustable automatically.

Max. load of 300kg for vacuum suction cup table.



Driving by high-power servo motor, with the imported linear guide, to achieve fast running speed and high positioning accuracy.

Equipped with pneumatic splitters at the end of the manipulator, which is convenient for separating the adhering sheet in auto loading.

Item	Specification
Loading Sheet Size - Max	3000X1500 (mm)
Loading Sheet Size -Min	2500X1250 (mm)
Sheet Thickness - Max	8mm
Sheet Thickness - Max	1mm

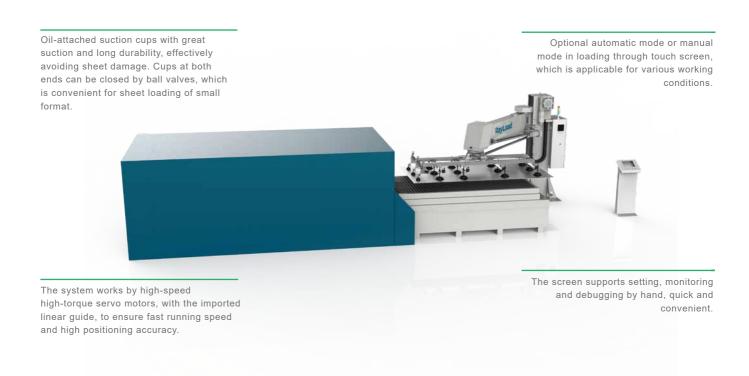
Item	Specifications
Weight Capacity -Max	300kg
Conveying Speed	10-50m/min
Lifting Speed	5-11.5m/min
Loading Positioning Accuracy	±2mm

RAYTOOLS RayLoad SERIES



Cantilever–type Loading System

Loading Sheet Size 3000x1500~600x600mm



Item	Specification
Sheet Size - Max	3000X1500
Sheet Size - Min	600X600
Lifting Speed	1-5.7m/min

Item	Specifications
Swing-arm Angle	120°
Repeated Positioning Accuracy	±2mm
Single Loading Cycle	45±15S

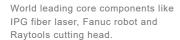
OLE SERIES



Robotic Laser Cutting Kit

Power Rating

1~6KW



6 Axis robot cutting with easy access to complicated 3D metal parts.

Compact size to decline floor inhabitation.



Flexible options of laser power from 1KW to 6KW.

Offline robot CAM software optional to simplify application to various 3D workpieces.

Applicable to 3D or 2D metal cutting with flexible option in profile shapes and processing paths

Item	Specification
Fiber Laser	IPG/Raycus (others optional)
Laser Power	1KW/1.5KW/2KW/3KW/4KW/6KW
Robot	Fanuc
Working Radiu	1811~1813mm

Item	Specifications
Payload	20kg (others optional)
Axles	6
Repeatability	± 0.05~ ± 0.08mm
Wavelength	1080nm± 5

OLE SERIES



Robotic Laser Cutting Kit Pro

Power Rating 1~4KW

World leading core components like IPG fiber laser, Fanuc robot and Raytools cutting head.

6 Axis robot cutting with easy access to complicated 3D metal parts.

Compact size to decline floor inhabitation.



Flexible options of laser power from 1KW to 4KW.

Offline robot CAM software optional to simplify application to various 3D workpieces.

Additional programmable A/B axis to handle small contour cutting @ min. dia. 1mm

Technical Data

Item	Specification
Fiber Laser	IPG/Raycus (others optional)
Laser Power	1KW/1.5KW/2KW/3KW/4KW
Robot	Fanuc
Working Radiu	1813mm
Payload	35kg
Axles	6
Min.Cutting Diameter	1mm(accuracy±0.1)

Item	Specifications
Repeatability	± 0.05~ ± 0.08mm
Wavelength	1080nm± 5
Cutting Head	Raytools GF101 + GF102
Operating Temperature	10-40°C
Cooling	Water cooling

OLE SERIES

Robotic Laser Welding Kit

Power Rating 1~20KW



World leading core components like IPG fiber laser, Fanuc robot and Raytools cutting head.

6 Axis robot welding with easy access to complicated 3D metal parts.

Compact size to decline floor inhabitation.



Flexible options of laser type (fiber/diode/blue laser) and power from 1KW to 20KW

Offline robot CAM software optional to simplify application to various 3D workpieces.

Applicable to metal welding with flexible option in profile shapes and processing paths.

Technical Data

ItemSpecificationFiber LaserIPG/Raycus (others optional)Laser Power1KW~20KWRobotFanucWorking Radiu1811~1813mmPayload20kg(other optional)Axles6Repeatability± 0.05~ ± 0.08mm		
Laser Power 1KW~20KW Robot Fanuc Working Radiu 1811~1813mm Payload 20kg(other optional) Axles 6	Item	Specification
Robot Fanuc Working Radiu 1811~1813mm Payload 20kg(other optional) Axles 6	Fiber Laser	IPG/Raycus (others optional)
Working Radiu 1811~1813mm Payload 20kg(other optional) Axles 6	Laser Power	1KW~20KW
Payload 20kg(other optional) Axles 6	Robot	Fanuc
Axles 6	Working Radiu	1811~1813mm
	Payload	20kg(other optional)
Repeatability $\pm 0.05 \sim \pm 0.08$ mm	Axles	6
	Repeatability	± 0.05~ ± 0.08mm

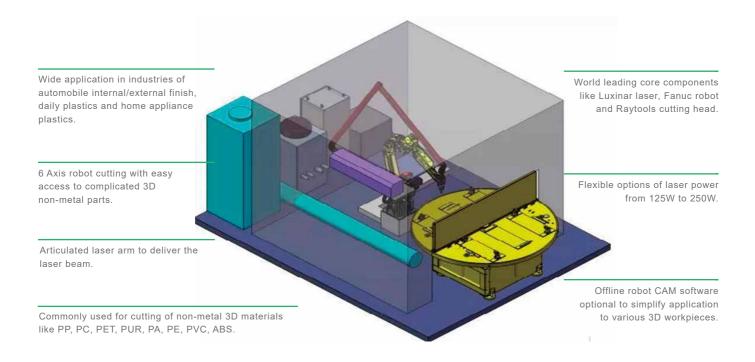
Item	Specifications
Wavelength	Fiber 1064nm/
	Diode 915nm/
	Blue 450nm
Welding Head	Raytools
Operating Temperature	10-40°C
Cooling	Water cooling

LaserRobot



COz Laser Cutting Cell

Power Rating 125/175/250W



Technical Data

Item	Specification
CO2 Laser	Luxinar (UK)/Others optional
Laser Power	125W/175W/250W
Robot	Fanuc
Working Range	2000x1400x1400mm (others optional)
Payload	20kg
Axles	6

Item	Specifications
Repeatability	± 0.05- ± 0.08mm
Wavelength	10600nm
Cutting Head	Raytools AK230
Articulated Laser Arm	Raytools ARM200
Cooling	Water cooling

RayEdge SERIES



4-in-1 Handheld Laser Welding Machine

Power Rating

1KW~3KW

Compact integrated design with easy operation.

Wobble welding to improve welding capacity to seam.

Wire feeder included to expand application range.

Multiple safety protection with auto beam off function once the nozzle goes away from workpiece.



"4-in-1 function" (Weld/Cut/WeldSeam Clean/Remote Clean). Quick-change structure of tip assembly from laser processing head.



Item	RayEdge-1000	RayEdge-1500	RayEdge-2000	RayEdge-3000	
Laser	Maxphotonics/Raycus				
Laser Power	1000w	1500w	2000w	3000w	
Laser Wavelength	1080nm				
Fiber Length		10m			
Fiber Core	25um/50um	50um	50um	50um	
Welding Speed	0-20mm/s				
Welding Style	Wobble (single axis)				
Wobbling Range	0-5mm (Weld)/0-10mm (WeldSeam Clean)/0-80mm (Remote Clean)				
Welding Seam Width	Max. 5mm				
Welding Thickness	Max. 2mm	Max.3mm	Max.4mm	Max.6mm	
(SS, MS and 5 series AL)	based on 1000W laser	based on 1500W laser	based on 2000W laser	based on 3000W laser	
Cooling	Water Cooling				
Cover Glass	Φ20mm*3mm				
Collimation Length	60mm				

RayEdge SERIES



4-in-1 Handheld Laser Welding Machine

Power Rating

1KW~3KW

Compact integrated design with easy operation.

Wobble welding to improve welding capacity to seam.

Wire feeder included to expand application range.

Multiple safety protection with auto beam off function once the nozzle goes away from workpiece.



"4-in-1 function"
(Weld/Cut/WeldSeam Clean/Remote Clean). Quick-change structure of tip assembly from laser processing head.



Wire Feeder

Technical Data - 2

Item	RayEdge-1000	RayEdge-1500	RayEdge-2000	RayEdge-3000
Focus Length		150mm		
Power Supply	220	OV/Single Phase/50 or 6	50Hz	380V/3 Phase/50 or 60Hz
Overall Dimension(LxWxH)	910x490x800mm	910x490x800mm	1105x490x823mm	1248x585x1070mm
Transportation Dimension	1050x600x850mm	1050x600x850mm	1240x640x1040mm	1330x590x1190mm
Weight	~125kg	~125kg	~140kg	~215kg
Transportation Weight	~155kg	~155kg	~170kg	~260kg

Wire Feeder Included

Wire Diameter 0.8/1.0/1.2/1.6mm

Feeding Speed 0.1-18m/min

Wire Material SS/AL Magnesium/Copper

Overall Dimension 440x250x580mm

Transportation Dimension 470×310x620mm

Weight 14kg

Transportation Weight ~ 15kg

RayEdge SERIES



4-in-1 Air-cooled Handheld Laser Welding Machine

Power Rating

1KW~1.5KW

Compact integrated design with easy operation.

Wobble welding to improve welding capacity to seam.

Wire feeder(independent) included to expand application range.

Multiple safety protection with auto beam off function once the nozzle goes away from workpiece.



"4-in-1 function"
(Weld/Cut/WeldSeam Clean/Remote Clean). Quick-change structure of tip assembly from laser processing head.



Wire Feeder

Item	RayEdge-1000A	RayEdge-1200A	RayEdge-1500A
Laser		Maxphotonics	
Laser Power	1000w	1200w	1500w
Laser Wavelength		1080nm	
Fiber length		10m	
Fiber Core		20µm	
Welding Speed		0-20mm/s	
Welding Style		Wobble (single axis)	
Wobbling Range	0-5mm (Weld	d)/0-10mm (WeldSeam Clean)/0-80mm (Re	emote Clean)
Welding Seam Width		Max. 5mm	
Welding Thickness	Max. 2mm	Max. 2.5mm	Max. 3mm
Cooling		Air cooling	
Cover Glass		Ф20mm*3mm	
Collimation Length		60mm	
Focus Length		150mm	

RayEdge SERIES



4-in-1 Air-cooled Handheld Laser Welding Machine

Power Rating 1KW~1.5KW



HMI Interface



Wire Feeder



Handheld Laser Welding Head

Technical Data – 2

Item	RayEdge-1000A	RayEdge-1200A	RayEdge-1500A
Power Supply	220V/Single Phase/50 or 60Hz		
Overall Dimension		480x700x700	
Weight		<70Kg	
Transportation Dimension		580x800x750mm	
Wire feeder		Included	
Wire Diameter		0.8/1.0/1.2/1.6mm	
Feeding Speed		0.1-18m/min	
Wire Material		SS/AL Magnesium/Copper	
Overall Dimension		440x250x580mm	
Transportation Dimension		470×310x620mm	
Weight		14kg	
Transportation Dimension		~ 15kg	

RayEdge SERIES



Air-cooled Handheld Laser Cleaner

Power Rating

100W~300W

MOPA fiber laser adopted with high electro-optical conversion efficiency.

Laser pulses with high peak power do not damage the base material.

High cleaning efficiency without chemical product. Low running cost



Simple operation UI and easy to use.

Air cooled laser adapt to complicated climate environment and easy to maintain.



handheld laser cleaning head

Item	LC-100	LC-200	LC-300
Laser Type		MOPA Fiber laser, wavelength of 1060~1080nm	
Brand		GZTECH/Hans' Laser	
Laser Power	100w	200w	300w
Fiber length		5m	
Max Pulse Energy		Single mode: 1.8mJ, Multi-mode: 5mJ/12mJ	
Pulse Width		10~500ns	
Repetition		Single mode:1~4000KHz, Multi-mode: 1~3000KHz	
Cooling		Air cooling	
Focus Length		254mm	
Working Range		100*20mm	
Operation Environment		Operation temperature of 0°C~40°C	
Facility Requirements		220V single phase, 50/60Hz	
Power consumption	0.6kW	0.9kW	1.2kW
Dimension		480mm*700mm*700mm	

RayEdge SERIES



Water-cooled Handheld Laser Cleaner

Power Rating

1.5KW~2KW



Laser pulses with high peak power do not damage the base material.

High cleaning efficiency without chemical product. Low running cost



Simple operation UI and easy to use.

Water cooling approach ensures long term running stability.



Item	LC-1000CW	LC-1500CW	LC-2000CW
Laser Type		Pulsed Fiber laser, wavelength of 1060~1080nm	
Brand		Maxphotonics/BWT	
Laser Power	1000w	1500w	2000w
Fiber length	5m	5m	10m
Fiber Interface		QBH	
Cooling		Water cooling	
Focus Lens	Collimation length=60mm, Focusing length=800mm		
Working Range	Single axial, Max 300mm		
Operation Environment	Operation temperature of 0°C~40°C		
Facility Requirements	220V single phase, 50/60Hz		
Power consumption	5kW	7.8kW	10kW
Dimension	480mm*700mm		

OLE-W SERIES



Laser Welding Machine

Power Rating 1/1.5/2/3 KW

Compatible to teaching, graphics import and draw.

Rich process handling, PSO, power ascent & descent and preheating processing.

Flexible extending, twin-workstation, exchange table or 4-workstation rotation, etc.



Flexible combination of laser, welding head and working size in accordance with exact application.

Wide range application such as R&D, sample welding, small-scaled production and

Technical Data

Item	OLE-W5030	OLE-W5040
	(Cantilever type)	(Gantry type)
Working Area (mm)	500x300x300	500x500x400
Positioning Accuracy (mm)	±0	.02
Repeat Positioning Accuracy (n	nm) ±0	.01
Welding Motion Controller	Rayto	ols
Welding Speed (mm/s)	30-	100
Servo& Drive	AheadTe	chs
Display	19″ L	.ED
Power Consumption (kw)	4~	·11
Welding Head	BW210/BW240/	BF320/BF330M

Item	OLE-W5030	OLE-W5050
Laser	IPG/Maxph	otonics/Raycus
Laser Power (W)	1000/1500/2000/3000	
Chiller	S	& A
Ambient Temperature (°C)	0~40	
Ambient Humidity (%)	<70	
Overall Size (mm)	1000*950*1500	1000*1300*1850
	(W*D*H)	(W*D*H)
Weight (kg)	~220	~250
Optional	Dust C	Collector
Optional	Wire F	eeding

XW-100 SERIES

Welding Control System



Main Interface

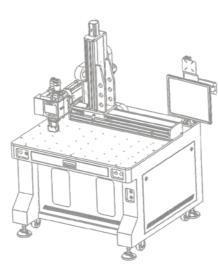


Parameters

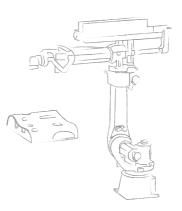


Settings





application for welding platform or robot welding.



application for multi-axis motion welding or robot welding.

Process Feature

- adjustment of laser power ascent and descent, optimized start and end technique
 - power curve adjustable and corner treatment
 - with unique PSO function, uniform distribution of energy in welding process,
 - and good welding consistency.
- able to control multiple types of galvo laser welding heads and laser spot.

Control Feature

- both EtherCAT serial bus servo and pulse controlled servo applicable.
- multi-axis motion and multi-position control
- with processing modes like teaching mode of hand-wheel and interface, and image inputting
- checking the alarm information online and looking up the corresponding solution at once.
 - with intuitive monitoring interface,
 flexible configurations for user
 defined input and output

Welding Heads Applicable







BF330-2C/6C 2KW/6KW

RAYTOOLS PL5050 SERIES



New Energy Welding Station

Processing Range 500*500*200mm

Marble base +THK linear guide rail ensure a stable and reliable platform.

High-performance DDL motor drive technology ensures good dynamic performance.

With Renishaw grating and fully closed-loop control.

with a heat-resistant and fully enclosed shield, fitting laser processing applications.

laser welding specialized busfield system from AheadTechs of America.

customizable maximum speed and acceleration.

flexible configurations for user defined input and output

adjustment of laser power ascent and descent, optimized start and end technique

> power curve adjustable and corner treatment

> with unique PSO function, uniform distribution of energy in welding process, and good welding consistency.

with processing modes like teaching mode of hand-wheel and interface, and image inputting

checking the alarm information online and looking up the corresponding solution directly.

with intuitive monitoring interface, easy to monitor signals.

Item	Specification
Welding Head	User defined
Platform Processing Range	500X500X200mm
Positioning Accuracy	±4um
Repeated positioning Accuracy	±2um

Item	Specifications
Processing Speed	≤1000mm/s
Running Acceleration	< 5g (customizable)
Platform Size	1200X1200X1900mm
Weight	1000kg

EMP-MLP SERIES



Multifunctional Laser Processing Station

Power Rating

1-6KW

Applicable to the CNC system independently developed by RayTools and able to meet the needs of certain functions and customized interfaces

Cost effective for providing high precision servo or marble linear motor motion unit according to application requirements

a wide range of appplications based on optional AB axis motion units to enable a variety of motion tracks in processing, including lines, circles, curves, surfaces and five axis

equipped with multi-functional laser processing head independently developed by RayTools, fast switching among laser welding, cladding and hardening with different power rating without replacing light source and optical device, perfect for initial processing tests and scientific researches.



with a heat-resistant and fully enclosed shield, fitting laser processing applications

applicable to the processing
of a variety of metal
materials, including iron
base, nickel base, copper
base, aluminum base,
titanium base, etc.

optional in-and-out workbench and corresponding fixture for customizations and batch processing.

Enclosed sheet metal structure, with video monitoring, anti-collision module, lens heat alarm and gas pressure alarm and optional real-time APP performance monitoring unit, etc. to ensure human security and machine safety in processing.

Item	Specification
Function	Fast switching between laser welding,
	cladding and hardening
Laser	Fiber laser/Diode
Power Rating	1-6KW (customizable for higher power
	rating)
Laser Wavelength	900-1100nm
Positioning Accuracy	±0.1mm
Repeated positioning Acc	uracy ±0.05mm
Processing Speed	≤200mm/s
Processing Range	600*400*300mm(customizable)
Powder	3-way, 4-way, annular, high-speed, wide
Feeding Nozzle	band, inner hole nozzle optional

Item	Specification
Hardening Size	5*5/10*2/15*2/20*4mm (customizable)
Focal Spot (for welding	manual adjustment available;
and cladding)	adjustable range customizable
Two-axis Turntable	Configurable
Inert Gas Chamber	Configurable
Safety Monitoring	Processing monitoring camera, safety door
Module	alarm, processing head anti-collision
	module - configurable
Real-time Process	Modules include infrared temperature
Monitoring Module	measurement, closed-loop temperature
	control, high-speed camera, configurable

EMP-PF-2-1 SERIES



Powder Feeder

Power Rating 1KW

Adjustable Powder Feeding Speed

The powder will be transported to the processing area by gas. Adjust the powder feeding speed by adjusting the rotary speed and the powder plate size.

High Accuracy of Powder Feeding

The powder feeder is independent and controllable. With double-way of powder feeding and the high precision servo motor, it has high precision powder feeding.



Customizable Interface

The interface can be customized according to customer's requirements.

High Stability

With internal control and external control of two operating modes and pressure alarm function, mostly meet the needs of processing stability.

Technical Data

Power Rate	≤1000W
Powder Feeding Funnel	two-way, independent and
	controllable PLC
Dimension	600X500X1450mm
Input	220VAC, 50HZ

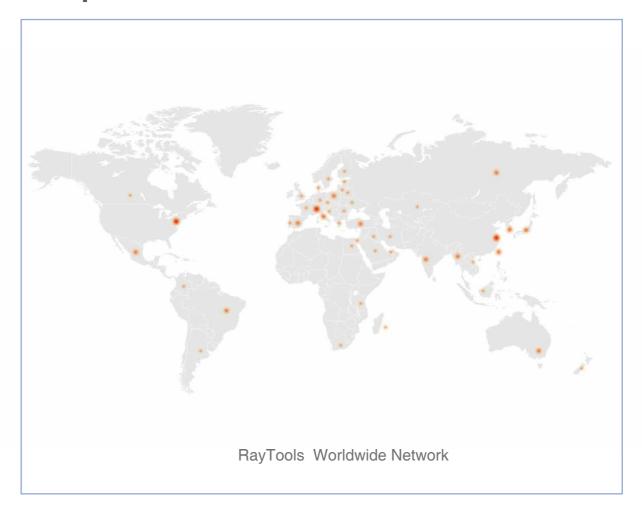
Powder Size	20-200μ
Feeding Plate Speed	0-20 rpm CV
Send Powder Repeat Precision	<±2%
Gas Supply	Nitrogen/Argon

@202403

LASER CUTTING&WELDING SOLUTIONS



Empower Your Laser Solutions



About Us

General Purpose:

Evaluation, generation and application of laser beam and control software for industrial use; custom project, knowhow and services;

Achievements:

Industrial lasers beam delivery and automation for various applications, hybrid application concepts of high power lasers, diodes, custom projects; modular laser source and machine concepts, components, accessories and unique beam alignment technology;

Advantages:

Independent company with vast know-how and engineering skills on demand and in line with customer requirements;

CONTENT

/ CUTTING

- 01 EMP Series 500*400~1250*1250mm High Precision Micro Laser Cutting Station-Linear Motor Driven
- 02 1530 eco 3000*1500mm Single Platform Fiber Laser Cutting Machine
- 03 1530EX eco 3000*1500mm Fiber Laser Cutting Machine
- 04 1530EX pro 3000*1500mm Fiber Laser Cutting Machine
- 05 EMP9000 Linear Motor Laser Cutting Module
- 06 LCT6020
 Tube Cutting Machin
- 07 LC1530T Sheet & Tube Cutting Machine
- 08 Rayload 3000x1500~2500X1250mm Gantry-type Loading System
- 09 Rayload 3000*1500~600*600mm Cantilever-type Loading System

/ ROBOTIC

- 10 OLE 1~6KW Robotic Cutting Kit
- 11 OLE 1~4KW Robotic Cutting Kit Pro
- 12 OLE 1~20KW Robotic Welding Kit
- 13 LaserRobot 125/175/250W

/ HANDHELD

- 14 RayEdge Series 1KW~3KW
 4-in-1 Handheld Laser Welding Machine
- 16 RayEdge Series 1KW~1.5KW 4-in-1 Air-cooled Handheld Laser Welding Machine
- 18 RayEdge Series 100W~300W Air-cooled Handheld Laser Cleaner
- 19 RayEdge Series 1.5KW~2KW Water-cooled Handheld Laser Cleaner

/ WELDING & SURFACE TREATMENT

- 20 OLE-W Series 1/1.5/2/3KW Laser Welding Machine
- 21 XW-100 1/1.5/2/3KW
- 22 PL5050 1/1.5/2/3KW New Energy Welding Platform
- 23 EMP-MLP 1~6KW Multifunctional Laser Processing Module
- 24 EMP-PF-2-1 ≤1KW





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