

MATERIALS APPLICATION

Carbon Steel, Stainless Steel, Galvanized Sheet, Color Plate, Electrolytic Plate, Aluminum Plate, Aluminum Alloy, Brass, Copper, Manganese Steel, Silicon Steel, Titanium Plate, Etc.

INDUSTRY APPLICATION

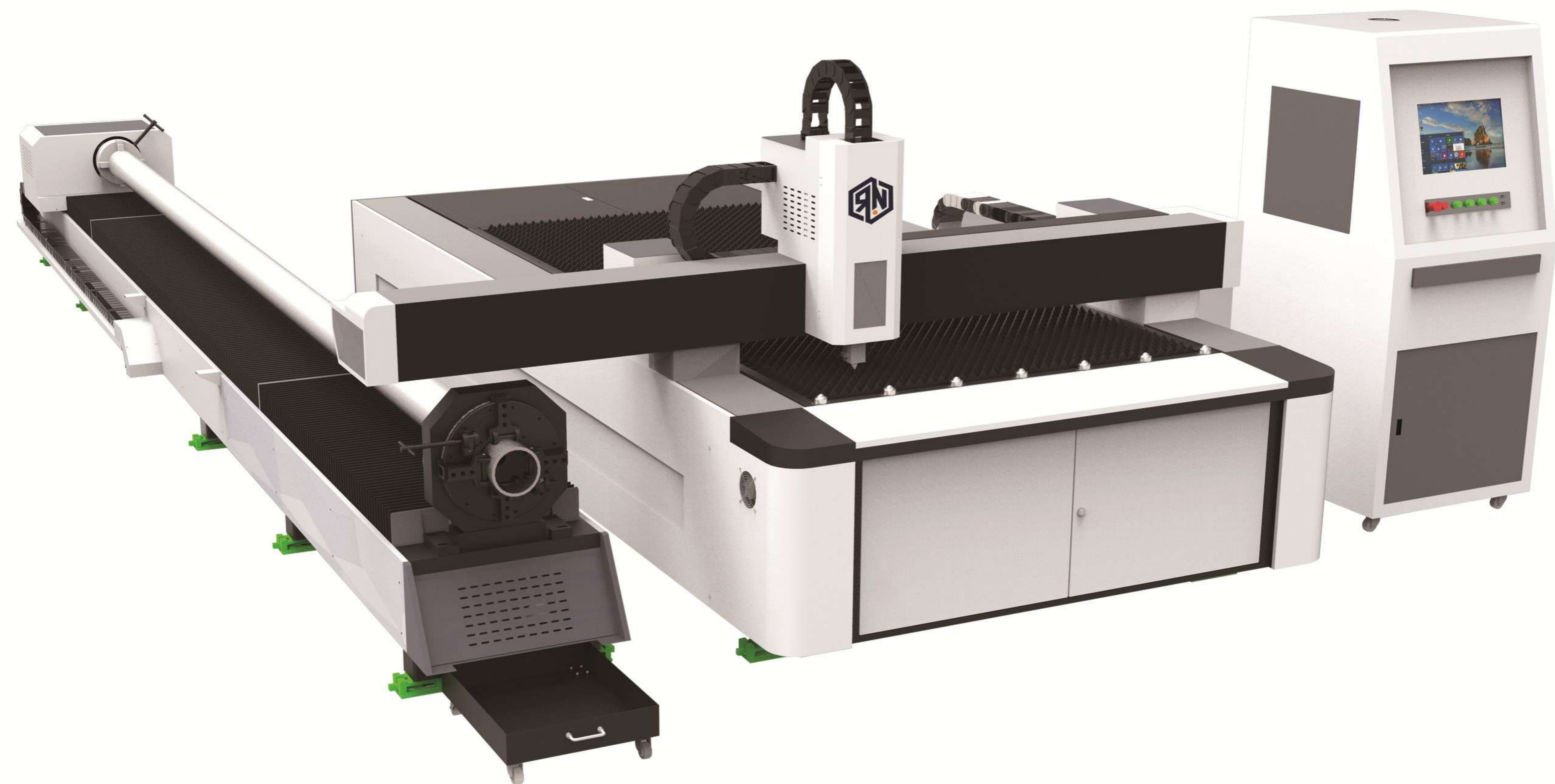
Kitchen Appliances, Sheet Metal Cabinet, Machinery Equipment, Hardware Lighting, Doors And Windows Manufacturing, Advertising Label, Auto Parts, Decoration, Air Ship, Medical Apparatus And Instruments, Mining Equipment, Metal Working Industry.

TECHNICAL PARAMETER

Model	RN-F1530	RN-F1540	RN-F1560	RN-F2040	RN-F2060
Working Area	1500*3000mm	1500*4000mm	1500*6000mm	2000*4000mm	2000*6000mm
Power	300w/500w/750w/1000w/1500w/2000w/3000w/4000w/6000w/8000w/10000w				
Total Weight	5-15T				
Maximum Operating Speed	120m/min				
Maximum Acceleration	1.5G				
X/Y Positioning Accuracy	± 0.03mm				
X/Y Repeat Positioning Accuracy	± 0.03mm				
Operating Voltage	380V/50HZ				
Total Machine Power	15KW-30KW				
Operating Temperature	5-45°C				
Operating Humidity	<=80% No condensation				
Transfer Method	Rack double drive				

PRODUCT FEATURES

- 1.Use plate and tube welding high strength bed,600°C high temperature annealing to stress,Ensure long time deformation.
- 2.The full set of servo drive system imported from Japan ensures higher accuracy, faster speed and more stable operation.
- 3.Control system operation is easy to learn, compatibility more comprehensive, processing more flexible and efficient.
- 4.Branded laser:Random selection of imported and domestic products,Stable performance、The service life is 100,000 hours.
- 5.Humanized design, user experience more practical.
- 6.Imported electric element.
- 7.Ultra-low cost, lower energy consumption, available air - assisted cutting of various metal plates.



MATERIALS APPLICATION

Carbon Steel, Stainless Steel, Galvanized Sheet, Color Steel Plate, Electrolytic Plate, Aluminum Plate, Aluminum Alloy, Brass, Copper, Manganese Steel, Silicon Steel, Titanium Plate And Other Metal Materials.

INDUSTRY APPLICATION

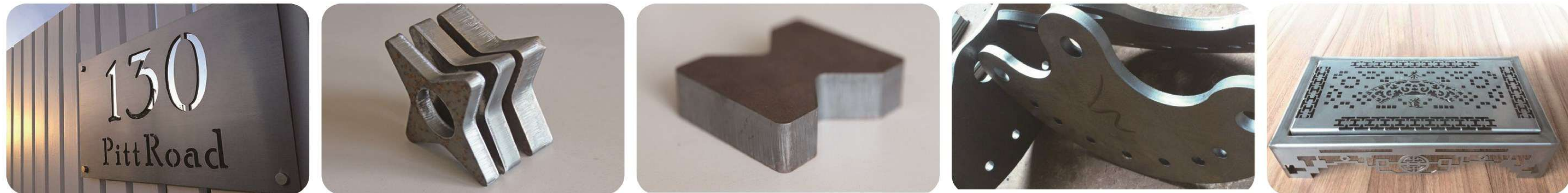
Kitchen Appliances, Sheet Metal Chassis, Mechanical Equipment, Hardware Lighting, Door And Window Manufacturing, Advertising Signs, Auto Parts, Decoration, Ship Aviation, Medical Equipment, Mining Equipment, Metal Processing Industry.

TECHNICAL PARAMETER

Model	RN-F1530-G6	RN-F1540-G6	RN-F1560-G6	RN-F2040-G6	RN-F2060-G6
Working Area	1500*3000mm	1500*4000mm	1500*6000mm	2000*4000mm	2000*6000mm
Power	300w/500w/750w/1000w/1500w/2000w/3000w/4000w/6000w/8000w/10000w				
Cutting Diameter	20-300MM				
Cutting Pipe Length	3-15M				
Maximum Acceleration	1.5G				
Maximum Operating Speed	100m/min				
Total Weight	5-9T				
Sheet Cutting Accuracy	± 0.03mm				
Pipe Cutting Accuracy	± 0.1mm				
Operating Voltage	380V/50HZ				
Total Machine Power	15KW-30KW				
Operating Temperature	5-45°C				
Operating Humidity	<=80% No condensation				
Transfer Method	Rack double drive				

PRODUCT FEATURES

- 1.High-strength bed welded by plate tube, 600°C high temperature annealing and stress relief, ensuring long-term use without deformation.
- 2.Parallel exchange platform, 10 seconds exchange time, faster and save time.
- 3.The whole set adopts servo drive system imported from Japan to ensure higher precision, faster speed and more stable operation.
- 4.The control system is easy to learn, more comprehensive, and more flexible and efficient.
- 5.Brand laser: imported and domestically selected, stable performance, service life of 100,000 hours.
- 6.User-friendly design, user experience is more practical.
- 7.Imported electrical components.
- 8.Ultra-low cost, lower energy consumption, air-assisted cutting of various metal sheets.



MATERIALS APPLICATION

Carbon Steel, Stainless Steel, Galvanized Sheet, Color Steel Plate, Electrolytic Plate, Aluminum Plate, Aluminum Alloy, Brass, Copper, Manganese Steel, Silicon Steel, Titanium Plate And Other Metal Materials.

INDUSTRY APPLICATION

Kitchen Appliances, Sheet Metal Chassis, Mechanical Equipment, Hardware Lighting, Door And Window Manufacturing, Advertising Signs, Auto Parts, Decoration, Ship Aviation, Medical Equipment, Mining Equipment, Metal Processing Industry.

TECHNICAL PARAMETER

Model	RN-BE1530	RN-BE1540	RN-BE1560	RN-BE2040	RN-BE2060
Working Area	1500*3000mm	1500*4000mm	1500*6000mm	2000*4000mm	2000*6000mm
Power	300w/500w/750w/1000w/1500w/2000w/3000w/4000w/6000w/8000w/10000w				
Total Weight	5-15T				
Maximum Operating Speed	120m/min				
Maximum Acceleration	1.5G				
X/Y Positioning Accuracy	± 0.03mm				
X/Y Repeat Positioning Accuracy	± 0.03mm				
Operating Voltage	380V/50HZ				
Total Machine Power	15KW-30KW				
Operating Temperature	5-45°C				
Operating Humidity	<=80% No condensation				
Transfer Method	Rack double drive				

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MARTIAL APPLICATION

Carbon Steel, Stainless Steel, Galvanized Steel, Color Steel, Electrolytic Plate, Aluminum Plate, Aluminum Alloy, Brass, Copper, Manganese Steel, Silicon Steel, Titanium Plate, Etc.

INDUSTRY APPLICATION

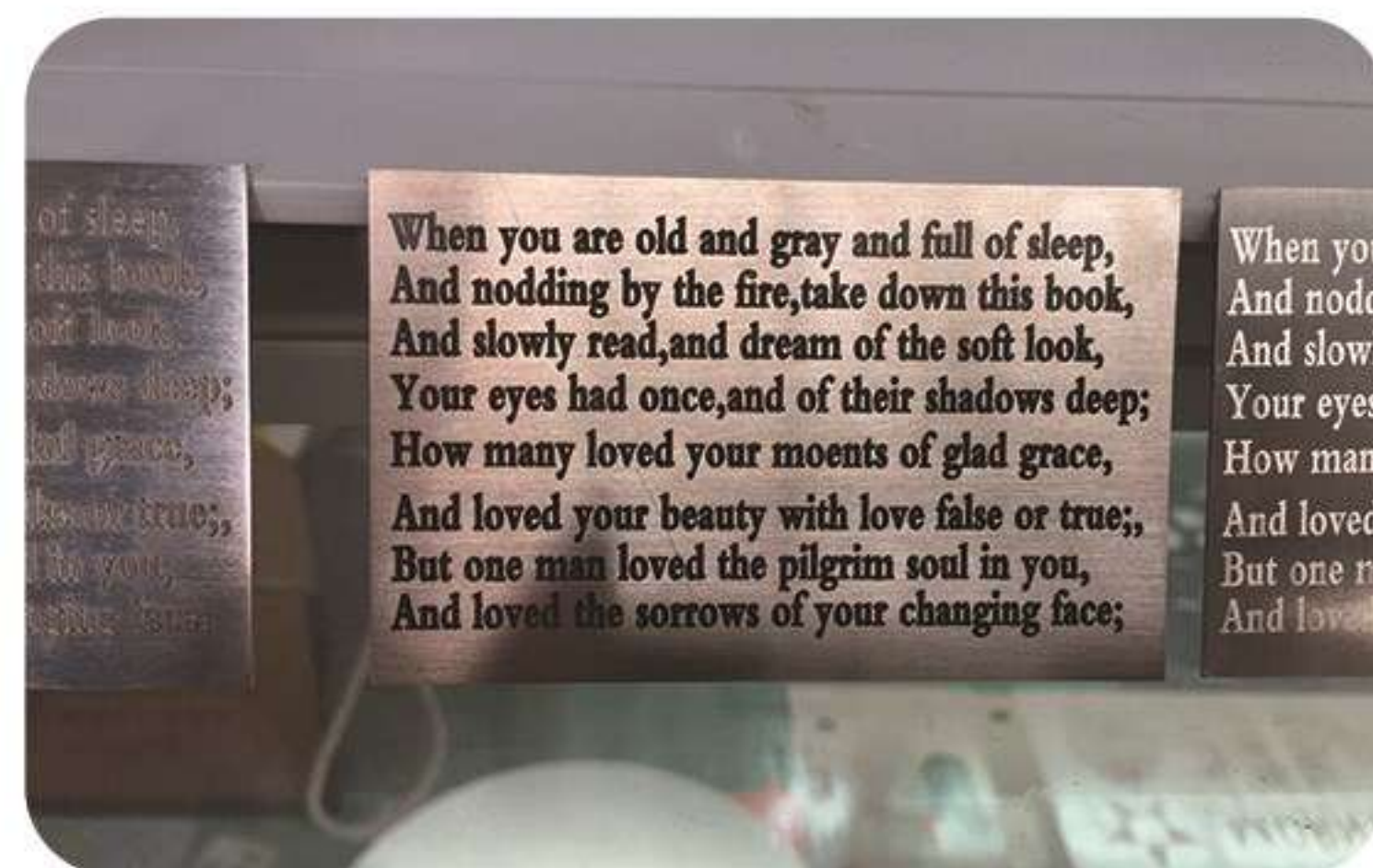
Jewelry, watch, Precision Accessories, Kitchen Electrical Appliances, Hardware Lighting, Door And Window Manufacturing, Advertising Signs, Auto Parts, Decoration, Marine Aviation, Medical Equipment, Mining Equipment, Metal Processing Industry.

TECHNICAL PARAMETER

Model number	RN-F6090
Working Area	600*900mm
Power	300w/500w/750w/1000w/1500w/2000w
Weight	1500KG-2000KG
Maximum speed	80m/ min
Maximum acceleration	1.5G
X/Y Axis Orientation Precision	± 0.02mm
X/Y Axis Repeat Orientation Precision	± 0.02mm
Working voltage	380V/50HZ
Total power of machine	7.5kw-15kw
Machine operating temperature	5-45°C
Machine operating humidity	<=80% No condensation
Transmission way	Precision ball screw

PRODUCT FEATURES

- 1.Using high strength of plate-tube welding lathe bed,removing stress by 600°C high temperature annealing,long time use without deformation.
- 2.Adopting Japan imported servo drive system,ensuring higher accuracy, faster speed and more stable operation.
- 3.The control system is simple, easy to learn and compatible,ensuring the flexible and efficient of working.
- 4.Well-known laser source: Domestic and import laser source for option,stable performance and 100,000 hours lifespan.
- 5.Humanized design, higher practicability.
- 6.Imported electric element.
- 7.Low cost, low energy consumption, can cut various metal plates through air assisted.



PRODUCT FEATURES

1.Fiber laser marking machine widely applied to various metal:hardware tooling、electronic accessories、advertising signs etc.

2.Fiber laser marking machine applied to IT industry、telecommunication industry、engineering industry、food and drug、medical equipment、watches and glassware、handcraft、Precious metal jewelry、leather、Packaging and printing cookers、precision hardware、ornament、instrument and electrical appliances.

3.Fiber laser marking machine applied to High polymer material,Electronic components、Wire speed limit、Reflective film、plastic buttons、glass、sapphire、Ceramic tile、aluminum plate、and various metal and non-metal materials,including Electronic communications、Electrical appliances、instrument、precision hardware、watches and glassware,china etc.

4.CO2 fiber laser marking machine in terms of clothes、leather、handcraft、

packaging、advertising、wood、plastic、textile、sign、telecommunication、watches、glasses、printing etc non-metal processing industry could achieve marking perfectly.And it has good affect in non-metal material's process such as wooden products,leather、cloth、Organic glass、epoxy resin、acrylic、Unsaturated resin.

5.Fiber laser marking machine widely used in packaging industry,such as food and beverage packaging、Packing of cigarette box with wine lid etc.

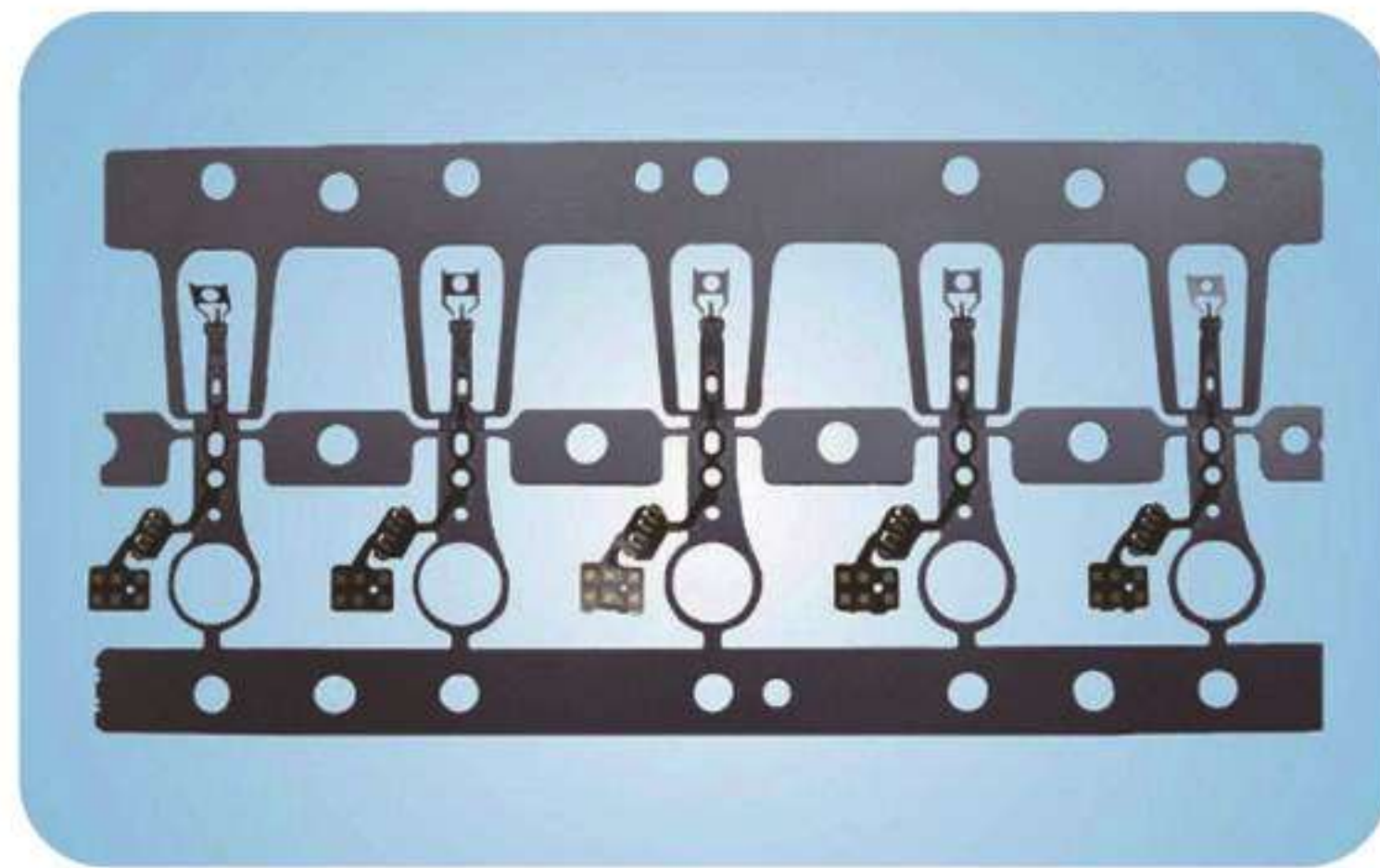
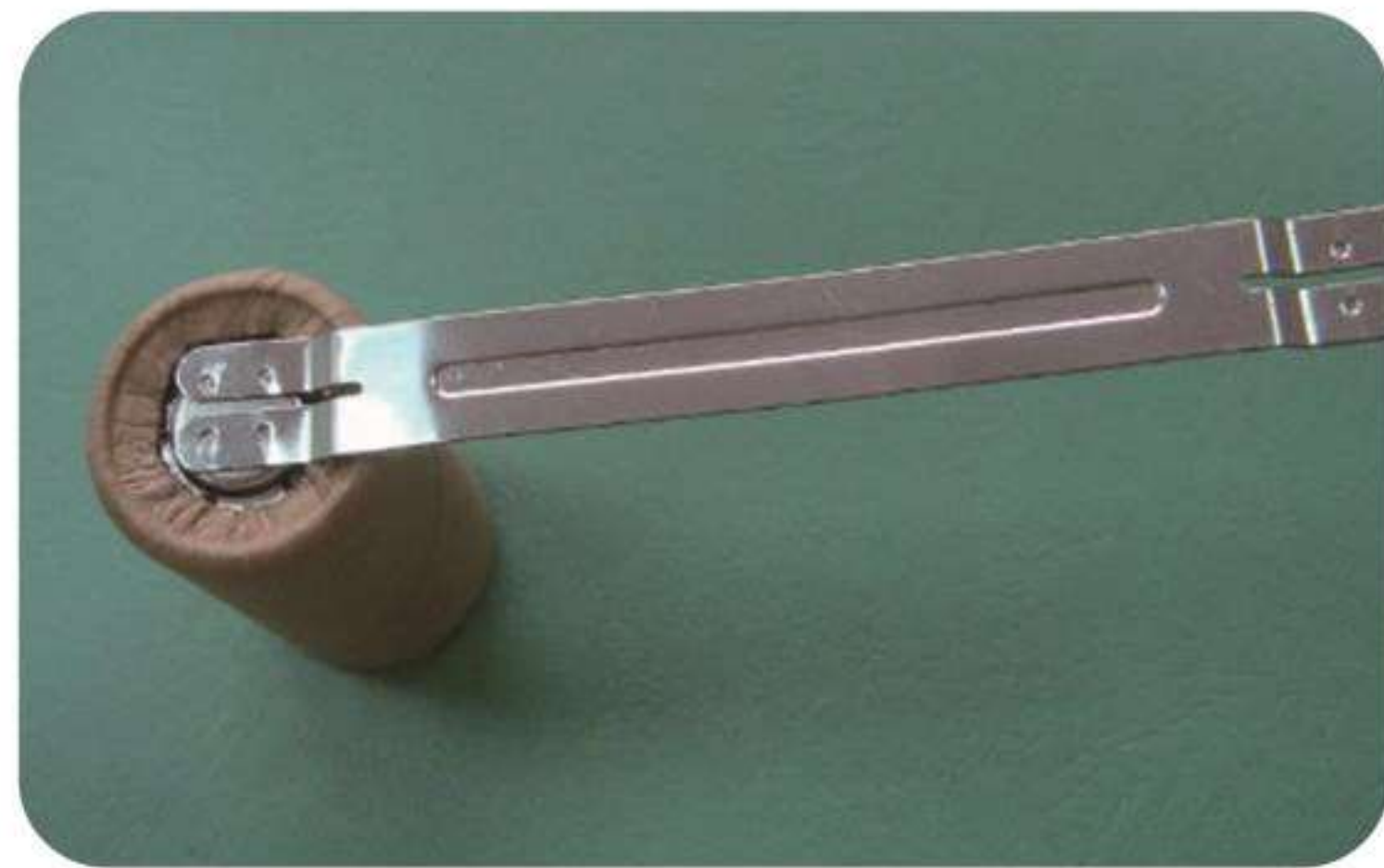
6Automatic fiber laser marking machine system application:Assembly line fiber laser marking machine,transfer fiber laser marking machine、portable fiber laser marking machine、Automatic material overflow marking system and Flight laser marking machine.

TECHNICAL PARAMETER

Laser device	Raycus/Max/CAS
Laser power	20w/30w/50w/100w
Laser wavelength	1064nm
The light barrier	yes
Control system	Jcz/EzCAD software
The galvanometer	SINO-GALVO
Field lens	SINO-GALVO
Maximum line speed	0-7000mm/s
Distinguishability	0.001mm
Repeated positioning accuracy	0.003mm
Marking area(mm)	110*110/200*200/300*300
Minimum line width	0.01mm
Minimum character height	0.1mm
Cooling mode	Air cooling
Power supply	0.5KW/AC220V/50Hz
Light path lifting stroke	400mm
Environment requirement	-10~37℃,humidity≤90%

Equipment. Flexible non - contact welding is more flexible for parts that cannot be touched. The laser beam enables time and energy splitting, enabling multiple beams to be processed simultaneously, providing conditions for more precise soldering. The optical fiber transmission laser welding machine has the advantages of good beam quality, fine spot and flexible installation.

The fiber optic transmission device can be fixed to the host and separated from the host. It can be applied to the processing of complex workpieces with various shapes to reduce the requirements on fixtures, so that one machine can be used more, the scope of application can be expanded, and the adaptability of equipment can be enhanced. The laser processing head has manual focusing and CCD monitoring functions. The fiber can move freely and can be mated with the robot, creating conditions for complex machining process solutions.



INDUSTRY APPLICATION

It can weld fine microelectronic components, integrated circuit leads and other precision parts. High-power diodes, mobile phone batteries, mobile phone cases, electronic components, vacuum cups, stainless steel bowls, sensors, tungsten wire, aluminum alloy, notebook computer casings, electrical accessories, filters, grease nipples, stainless steel products, golf clubs, zinc alloy handicrafts, etc.

WELDABLE GRAPHICS

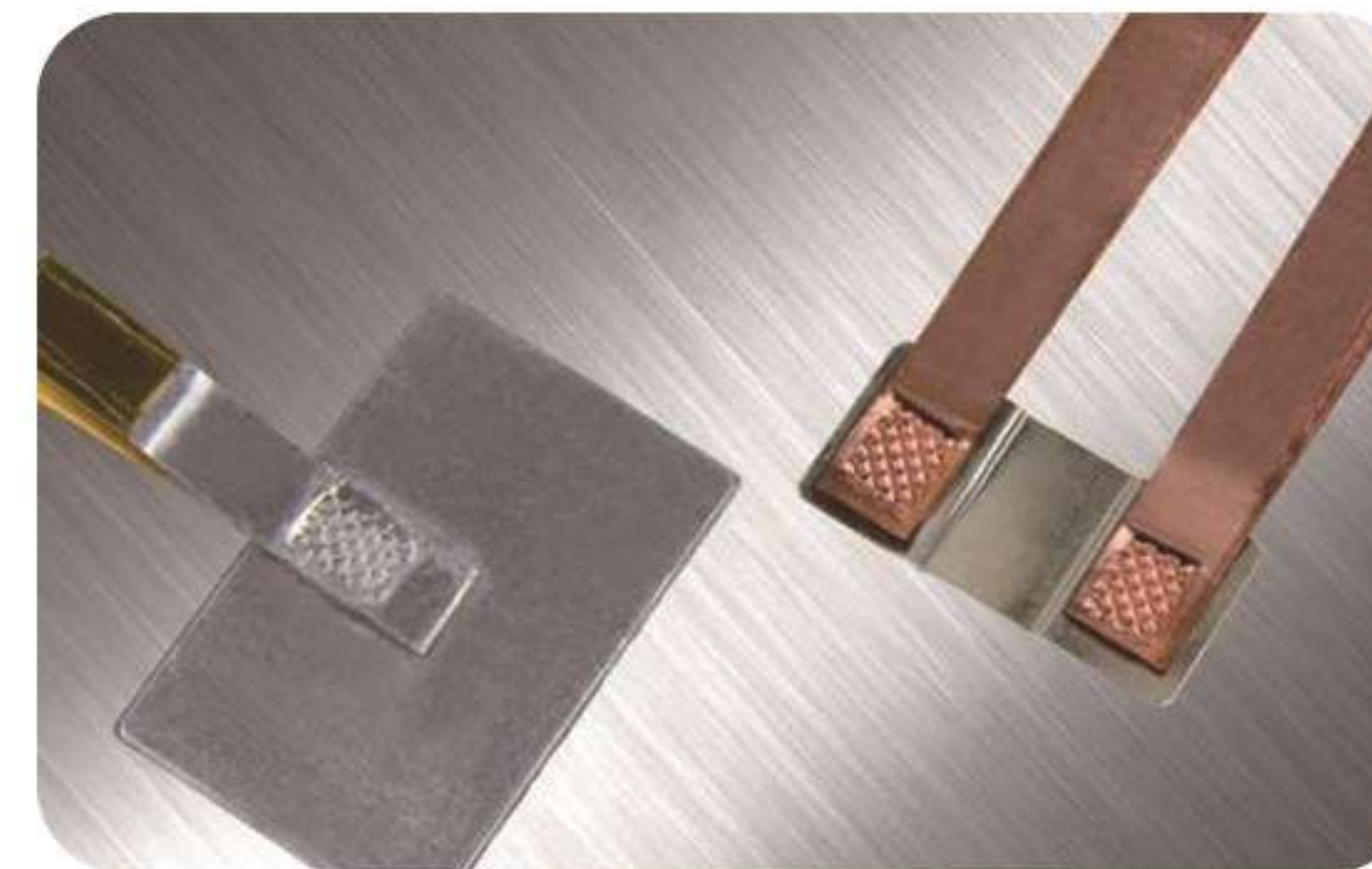
Points, Lines, Circles, Squares, Or Any Flat Pattern Drawn By Autocad Software.



TECHNICAL PARAMETER

Project Name	Technical Parameter					
Model	RN-L200F	RN-L400F	RN-L500F	RN-L750F	RN-L1000F	RN-L2000F
Laser Power	200W	400W	500W	750W	1000W	2000w
Laser Wavelength	1064nm					
Laser Energy	0.1-50J	0.11-70J	0.11-90J	10-100J	10-100J	0.1-50J
Feedback Method	Current Feedback					
Number of Fiber Outputs	Standard 1 way Up to 3 ways		Standard 1 way Up to 4 ways			
Pulse Frequency	0.11-100HZ			0.11-150HZ		
Pulse Width	0.1ms-15ms					
Control System	PC / PLC					
Spot Size	0.11-0.5mm	0.11-0.6mm	0.11-0.8mm	0.11-0.8mm	0.11-0.8mm	0.11-0.8mm
Power	5kw	10kw	12kw	14kw	16kw	20kw
Fiber Core Diameter	0.4/0.6/0.8mm Optional					
Aiming and Positioning	Red light indication CCD Optional					
Welding Thickness	0.11-0.6mm	0.11-1.0mm	0.11-1.2mm	0.11-1.5mm	0.11-2.0mm	0.11-6.0mm
Total Power Input	220V/50HZ/20A	380V/50HZ/25A	380V/50HZ/30A	380V/50HZ/35A	380V/50HZ/40A	380V/50HZ/45A
Cooling System	Water Cooling					

It can be combined with production line production, etc., and has strong applicability; it can be combined with its secret box. Meet the welding requirements of special products; meet the international laser safety standards and high-voltage electrical safety standards; DNIRW automatic YAG laser welding refers to the automatic movement of workpieces or laser heads under the control of computer, PLC or single-chip microcomputer to achieve automatic welding.



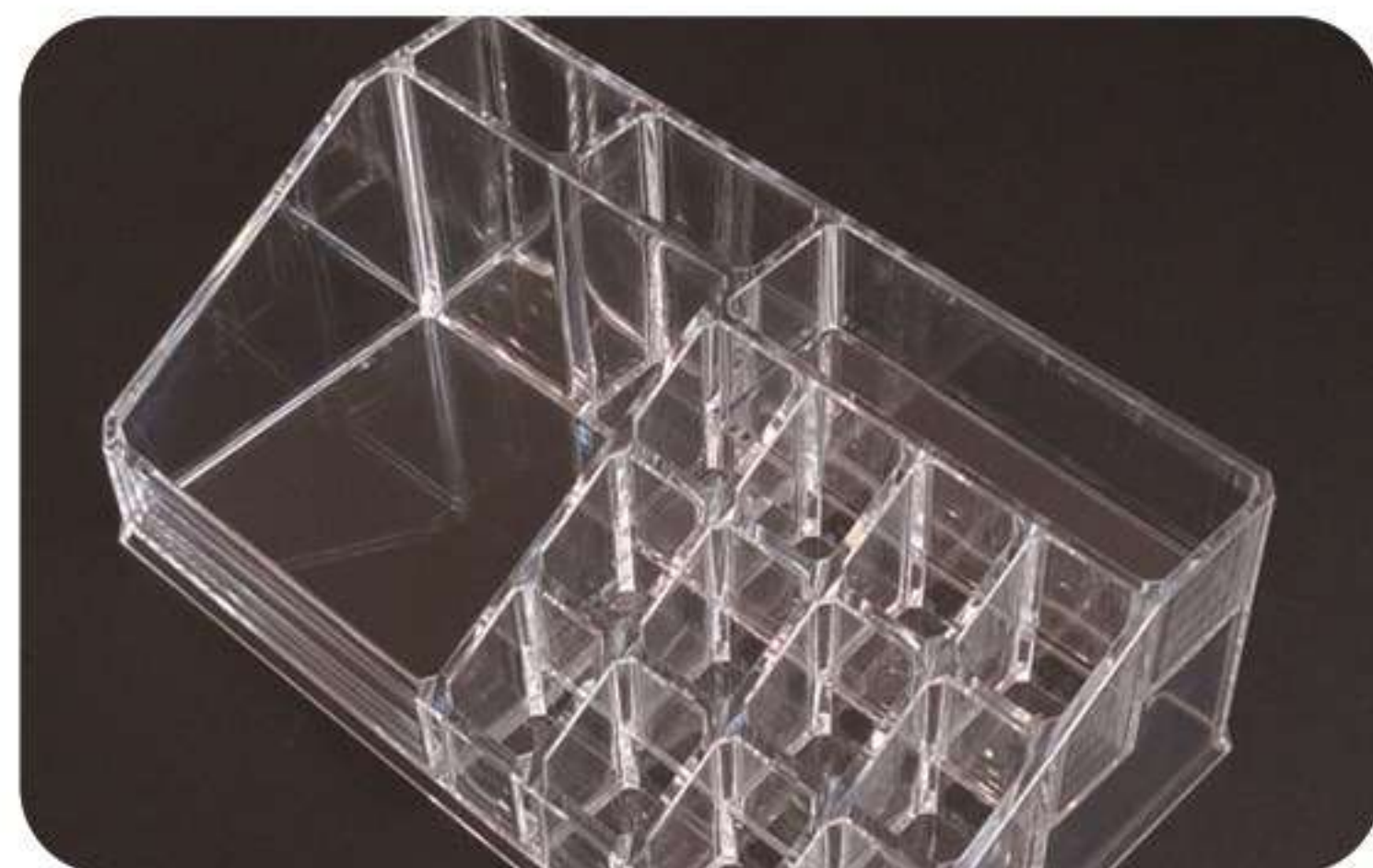
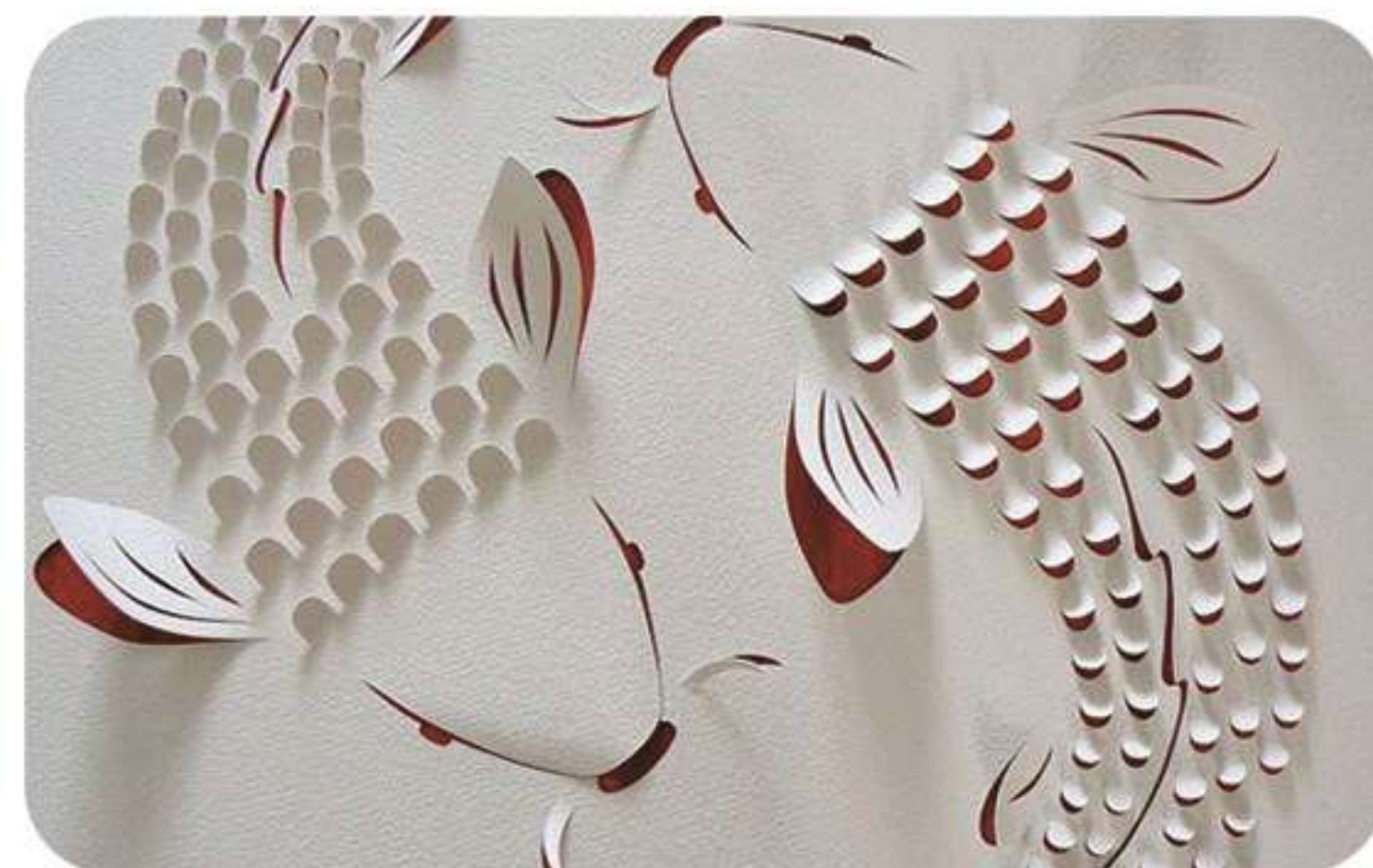
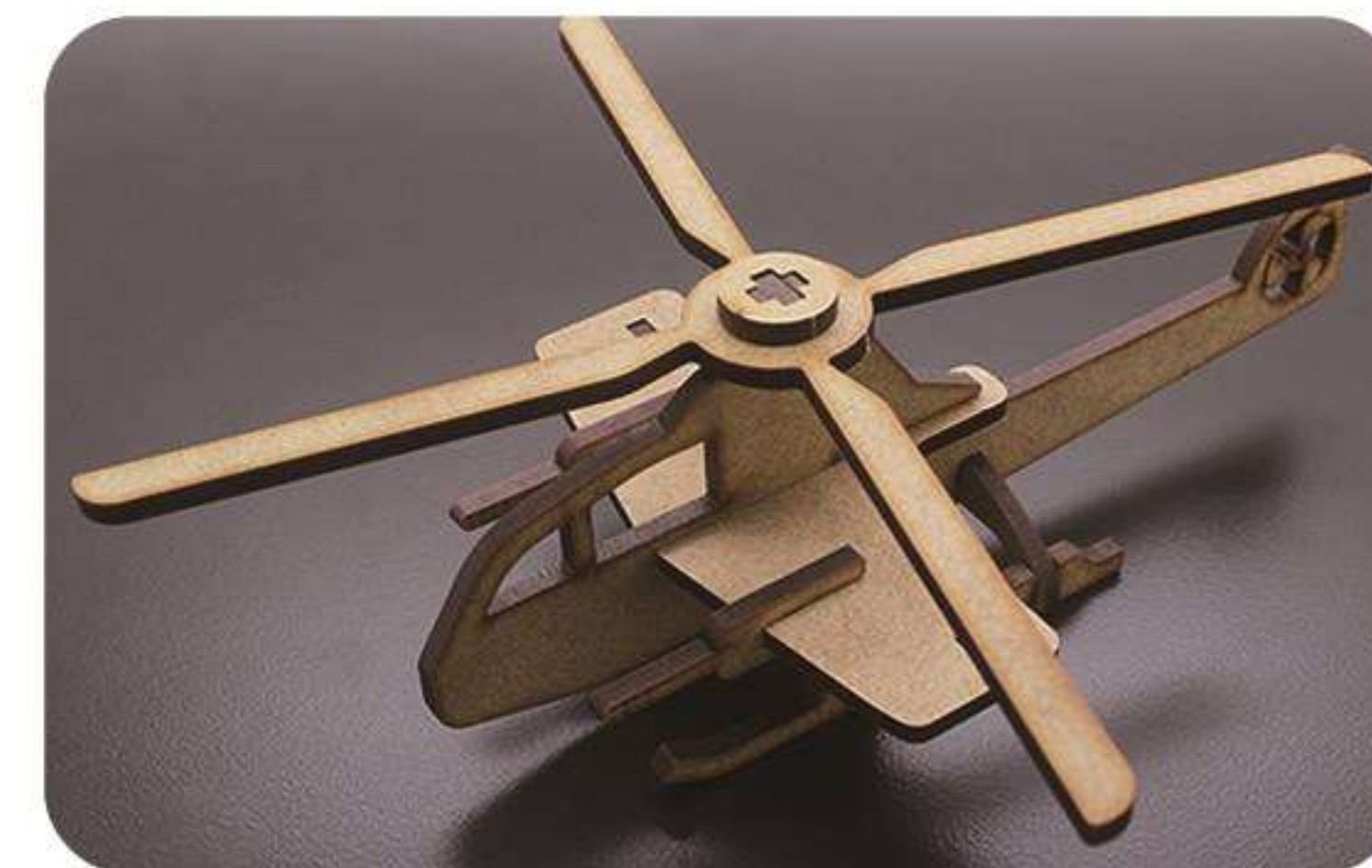
INDUSTRY APPLICATION

For digital products, mobile phone accessories, display cases, etc., most of them use laser welding, instrumentation, sensors, kitchen supplies, tableware, butt welding, mold repair, mold repair and use in the process of repair and modification. Seamless welding of stainless steel cutlery, welding of instrument core connection.



TECHNICAL PARAMETER

Project Name	Technical Parameter			
Model	RN-L200F	RN-L400F	RN-L750F	RN-L1000F
Laser Power	200W	400W	750W	1000W
Laser Wavelength	1064nm			
Laser Energy	0.1-50J	0.1-60J	0.1-80J	0.1-100J
Pulse Width	0.1ms-20ms			
Pulse Frequency	0.11-100HZ	1-100HZ	0.11-100HZ	1-100HZ
Spot Size	0.2-1.0mm	0.2-1.5mm	0.2-2.0mm	0.2-2.0mm
Welding Thickness	0.1-1.5mm	0.1-2.5mm	0.1-3.0mm	0.1-3.0mm
Aiming and Positioning	Red light indication CCD Optional			
Control System	PC			
Workbench	300mm*200mm			
Total Power Input	220V/50HZ/20A	220V/50HZ/30A	220V/50HZ/40A	220V/50HZ/50A
Power	4kw	6kw	12kw	16kw
Cooling System	Water Cooling			



MATERIAL APPLICATION

Leather, Fabric, Acrylic, Pvc, Kt Board, Rubber Board, Glass, Ceramics, Paper, Wood, Bamboo, Crystal, Density Board And Other Non-metallic Materials.

INDUSTRY APPLICATION

Advertising Industry, Technology Industry, Mold Industry, Construction Industry, Printing And Packaging Industry, Wood Industry, Decoration Industry, Etc.

TECHNICAL PARAMETER

Working table	Honeycomb / Blade table
Laser tube watts	80w/100w/130w/150w/180w
Working area	600*900/1300*900/1600*1000/1300*2500/1600*3000MM
Laser tube type	CO ₂ sealed laser tube
Electrical requirements	AC220V ±10%/50HZ
Precision	±0.02mm
Working temperature	5-35°C
Resolution	4500dip
Print interface	Ethernet or USB interface. Compatible with Windows 8/7/XP ect.
Supporting system	Windows 2000/XP/win7/win8/vista
Compatible software	Coreldraw/ Autocad /Photoshop/ Adobellusrator
Cooling way	Water-cooling
Standard features	Red dot pointer, Singapore lens. Hiwin guide rail ,Fulong belts, air pump.water chiller