



BEIJING CENTURY

DAHAN SCIENTIFIC
CO., LTD.

BEIJING CENTURY DAHAN SCIENTIFIC CO., LTD.



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Fiber laser

Cutting system

CNC router

CO2 laser

PRODUCT BROCHURE

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BEIJING CENTURY DAHAN SCIENTIFIC CO., LTD.

COMPANY PROFILE

Beijing Century Dahan Scientific Co., Ltd is a high-tech company which mainly focus on developing, researching, designing, producing, selling the mechanical products adopting CNC digital controlling system and laser cutting & engraving system. Dahan company was founded in 2001 in Beijing. The site of head office is located in Beijing. The new manufacture base is located in Dezhou city, which covers an area of 20,000 square meters. And the international business center is located in Pazhou, Guangzhou City.

Dahan's Dezhou production base, is a new modern factory industrial park, with sheet metal manufacturing welding workshop, machinery processing workshop, precision instrument testing workshop, assembly testing workshop, five-star exhibition hall and so on.

Dahan company has a wide range products to meet customers' needs. There are fiber laser cutting machine for processing metal sheets or metal tubes, mixed laser cutting machine for both cutting metal and non-metal materials, CO2 laser cutting machine for high quality non-metal materials cutting, digital cutting system for cutting flexible materials in advertising printing packages industry, CNC router specially designed for efficient and high-quality cutting, and some other related machines.

DAHAN company has a very strong R & D, independent design capabilities. We have successfully customized machines for many customers for special purposes.

Adhering to the concept of "leading technology, winning service", Dahan Laser constantly strives for excellence in product technology, continuous improvement, and constantly explore and expand the potential of new technology and application industries, and constantly realize and meet the needs of customers in different industries. Dahan company also have service offices around China and abroad. We are committed to establishing more and better service offices around the world, or looking for professional global partners.

Choose Dahan, create brilliant business together!



COMPANY SERVICE

PRODUCTION

Main products: laser cutting & engraving machine, metal cutting machine, metal & nonmetal mixed laser cutting machine, fiber laser cutting machine, laser marking machine, laser welding machine, Laser welding machine, digital cutting machine, cnc router, etc. Specialized in producing laser equipment and laser cutting system. With steady and healthy growth, it has become one of the top laser equipment manufacturers in North of China.

RESEARCH

Dahan laser is one of the top laser equipment manufacturers, focuses on developing, researching, designing, producing, seling the laser cutting & engraving machines, acquires many awards of honors, such as CE certificate, two software Copyrights, eight certificates of the utility model patent, etc.

AFTER SALES

Through the unremitting efforts of Dahan's team, with high precision, high intelligence, safe and durable products, with long troublefree operation of the security system, perfect aftersales service, achieves well-known brand status in laser industry. Dahan's machines have sold to North America, Europe, Asia, Middle east, etc, more than 100 countries and regions.

HONOR QUALIFICATION



PRODUCT CATALOG

METAL SHEET OR METAL TUBE LASER CUTTING MACHINE

- LF-C Fully enclosed fiber laser cutter 01
- LF-GT Metal sheet & tube fiber laser cutter 03
- LF-T Metal tube fiber laser cutter 05
- LF-GE Exchange platform fiber laser cutter 07
- LF-GH High-power fiber laser cutter 09
- LF-G Medium-power fiber laser cutter 11
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- DH-M2 Heavy-duty CNC router
- DH-M2A Heavy-duty CNC router(Auto-tool changer)
- DH-ZN Classical CNC router



APPLICATION & INDUSTRY

Widely used in the processing of metal plate cutting, pipe(pipe cutting device is optional), Hv/lv electrical ark production, textile machinery pars, spring coll slice, subway line spare parts, advertising board, etc, suitable for cutting carbon steel, stainless steel, aluminum, copper and alloy metal materials.



LF-C3015/4015/6020/8020 FULLY ENCLOSED FIBER LASER CUTTER



FEATURES AND ADVANTAGES

DAHAN LASER, industrial fiber, saving in labor,it can continuously work at high speed for 24 hours.

DAHAN LASER, industrial fiber, adopting top brand fiber generator, self-design gantry CNC machine tool, using high strength steel sheet and tube welding machine boby; very high rigidity, stability and accuracy. Imported industrial high speed linear guide, high accuracy, fast speed, suitable for cutting metal sheets in high speed , high precision.

Top brand fiber generator with high electrooptical conversion efficiency, high beam quality, high energy density, high reliability, maintenance-free operation, small size, easy to install.

Full protection cover effectively protects the operator from some damages during operation; Dustproof, envrionmental protetion.



TECHNICAL PARAMETER

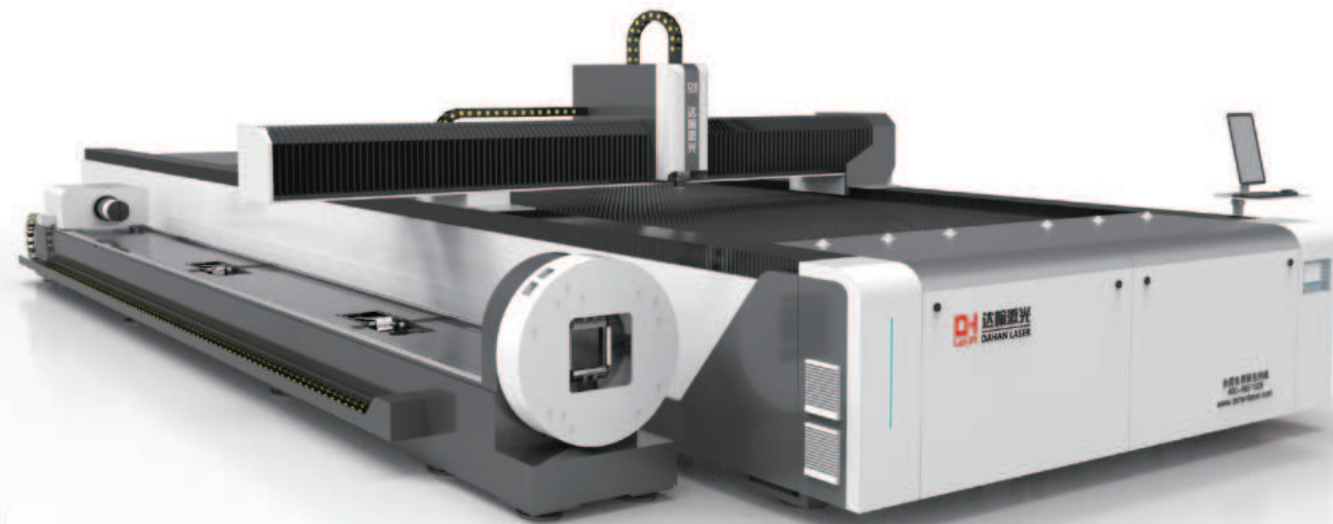
MACHINE MODEL	LF-C3015	LF-C4015	LF-C6020	LF-C8020
APPEARANCE SIZE	7800*2750*1900mm	9800*2750*1900mm	14000*3250*1900mm	18000*3250*1900mm
WORKING AREA	3000*1500mm	4000*1500mm	6000*2000mm	8000*2000mm
FIBER POWER	-			
MINIMUM LINE WIDTH	0.075mu			
POSITIONING ACCURACY	±0.01mm/m			
MAXIMUM ACCELERATION	1.2G			
MAXIMUM RUNNING SPEED	118m/min			
MAXIMUM CUTTING SPEED	80m/min			
DRIVE MODE	PRECISION AC SERVO			
TRANSMISSION MODE	PRECISION DOUBLE DRIVE RACK			
CUTTING THICKNESS	DEPENDS ON LASER POWER			
AUXILIARY GAS	AIR/OXYGEN/NITROGEN			
POWER DEMAND	380V/50Hz/60Hz			
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation			
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING			
AIMING LOCATION	RED LIGH			
WORKING TIME	24H			

APPLICATION & INDUSTRY

Widely used in the processing of metal plate cutting, pipe(pipe cutting device is optional), Hv/lv electrical ark production, textile machinery pars, spring coll slice, subway line spare parts, advertising board, etc, suitable for cutting carbon steel, stainless steel, aluminum, copper and alloy metal materials.

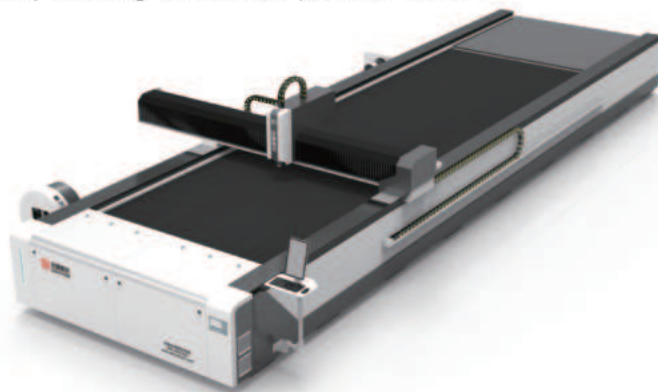


LF-G3015T/4020T/6020T METAL SHEET & TUBE FIBER LASER CUTTER



FEATURES AND ADVANTAGES

Good at processing kinds of metal tubes, metal sheets; Suitable for cutting stainless steel, carbon steel, manganese steel, spring steel, copper, aluminum, and other metal sheet and tube;
Equipped top brand fiber generator, optional choose autofocusing laser cutting head;
Integrated design of whole machine, left & right workpiece funnel collector,saving space;
High-temperature aging, 5 axes cnc machine milled machine body; high rigidity, high accuracy, long-time using without deformation;
Human-machine Interactive interface, easier operation;
Software supports automatically seeking edge and positioning precise, atomatically seeking the central point of tube.



TECHNICAL PARAMETER

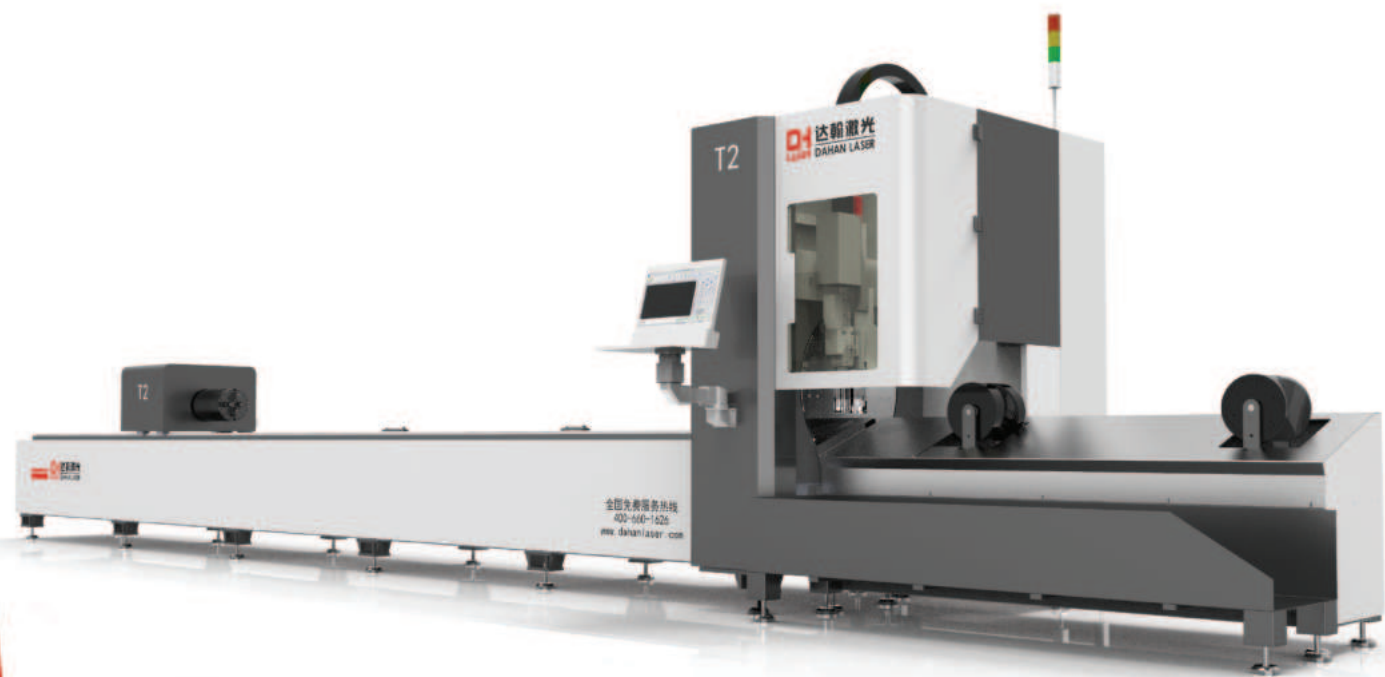
MACHINE MODEL	LF-G3015T	LF-G4015T	LF-G6020T	LF-G8020T
APPEARANCE SIZE	4852*3915*1650mm	5852*3915*1650mm	7850*4415*1650mm	9850*4415*1650mm
WORKING AREA	3000*1500mm	4000*1500mm	6000*2000mm	8000*2000mm
TUBE CUTTING SIZE	φ230*3000 /6000/customized length (mm)			
FIBER POWER	-			
MINIMUM LINE WIDTH	0.075mu			
POSITIONING ACCURACY	±0.03mm/m			
MAXIMUM RUNNING SPEED	70m/min			
MAXIMUM CUTTING SPEED	50m/min			
DRIVE MODE	PRECISION AC SERVO			
TRANSMISSION MODE	PRECISION DOUBLE DRIVE RACK			
CUTTING THICKNESS	DEPENDS ON LASER POWER			
AUXILIARY GAS	AIR/OXYGEN/NITROGEN			
POWER DEMAND	380V/50Hz/60Hz			
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation			
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING			
AIMING LOCATION	RED LIGH			
WORKING TIME	24H			

APPLICATION & INDUSTRY

Widely used in the processing of metal plate cutting, pipe(pipe cutting device is optional), Hv/lv electrical ark production, textile machinery pars, spring coil slice, subway line spare parts, advertising board, etc, suitable for cutting carbon steel, stainless steel, aluminum, copper and alloy metal materials.



LF-T TUBE FIBER LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

LF-T series professional tube laser cutting machine is designed for cutting metal tubes only. It can carry 1500W /2000W / 3000W ... optical fiber laser for cutting all kinds of tubes.The Standard model can cut round, square, rectangular and other conventional tubes; Users can also choose high configuration type according to processing needs. Realize cutting channel steel, Anglesteel, H-shaped steel, triangle, concave, L shape, c shape and other special-shaped tubes.

Automatic pneumatic chuck, large and constant clamping force; one-key clamping and automatic centering;

Professional fiber laser tube cutting system, intelligent and convenient operation interface, easy to use, easy to cut different types of tubes.

Strong machine body; Rack gear transmission, with imported reducer; powerful servo motors; to ensure the stability of the machine.

Occupied small space, simple installation, professional, efficient and affordable.



TECHNICAL PARAMETER

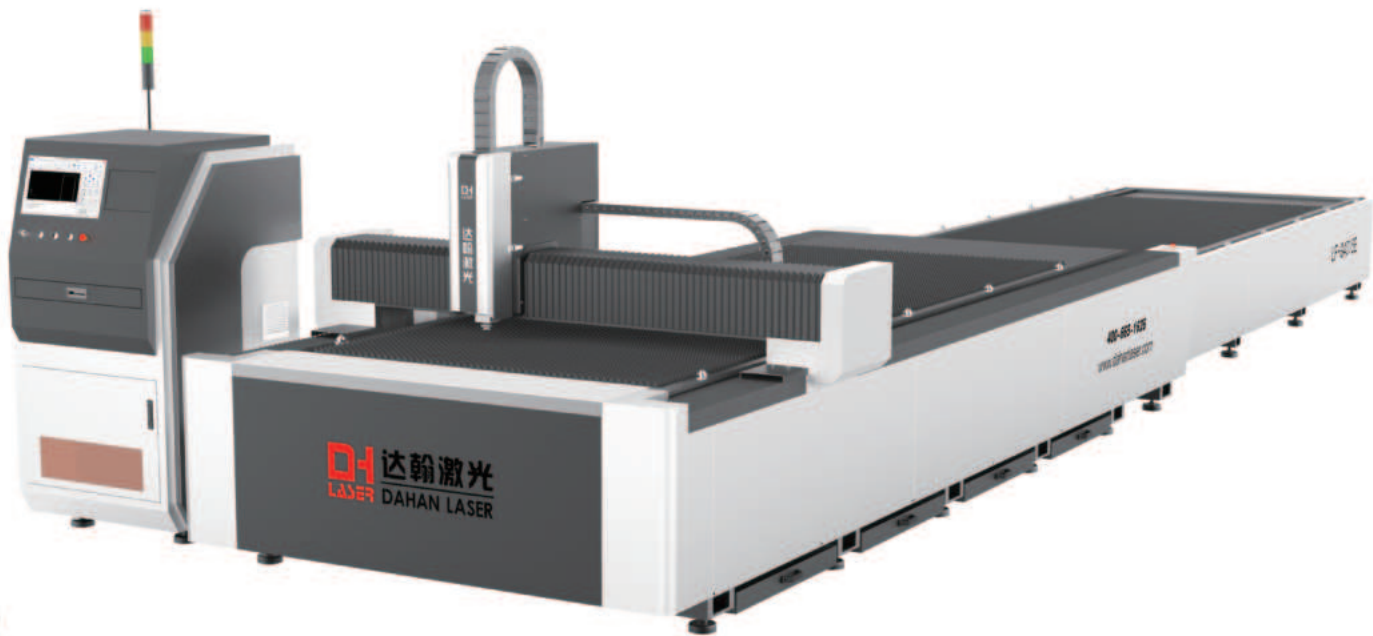
MACHINE MODEL	LF-T
APPEARANCE SIZE	8650*1260*2300
TUBE CLAMPING RANGE	φ20*20mm -φ230*230mm ×6000mm or customized length
LASER POWER	1500W / 2000W / 3000W / 6000W, etc.
MINIMUM LINE WIDTH	0.075mm
POSITIONING ACCURACY	±0.03mm/m
MAXIMUM RUNNING SPEED	90m/min
MAXIMUM ACCELERATION	0.8G
DRIVE MODE	PRECISION AC SERVO
TRANSMISSION MODE	PRECISION DOUBLE DRIVE RACK
CUTTING THICKNESS	DEPENDS ON LASER POWER
AUXILIARY GAS	AIR/OXYGEN/NITROGEN
POWER DEMAND	380V/50HZ/60HZ
WORKING ENVIRONMENT	0-40 °C, Humidity ≤ 80%, no condensation
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING
AIMING LOCATION	RED LIGHT
WORKING TIME	24H

APPLICATION & INDUSTRY

Widely used in the processing of metal plate cutting, pipe(pipe cutting device is optional), Hv/lv electrical ark production, textile machinery pars, spring coll slice, subway line spare parts, advertising board, etc, suitable for cutting carbon steel, stainless steel, aluminum, copper and alloy metal materials.

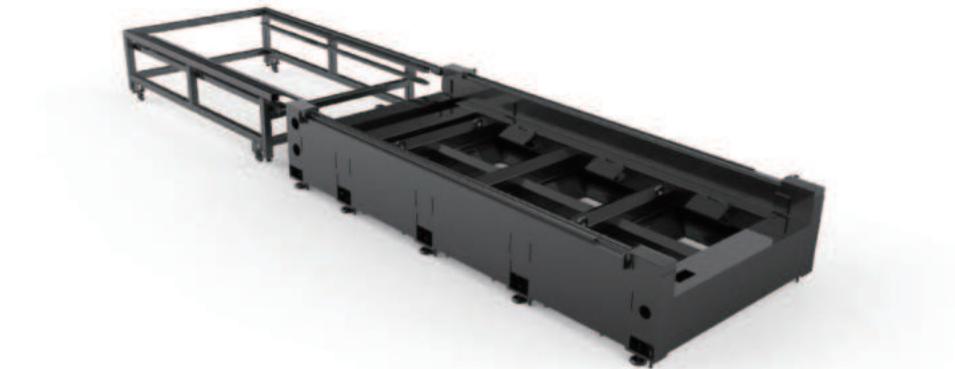


LF-G3015E/4015E/6020E/8020E EXCHANGE PLATFORM FIBER LASER CUTTER



FEATURES AND ADVANTAGES

Adopt high-low linkage type double platforms fast exchanging system; It can reach 15 seconds per time to finish platforms exchanging at most, effectively improve the processing efficiency.
Reinforced back sub-frame, strong bearing capacity to meet the needs of processing;
Strong machine body; Rack gear transmission, with imported reducer; powerful servo motors; to ensure the stability of the machine.



TECHNICAL PARAMETER

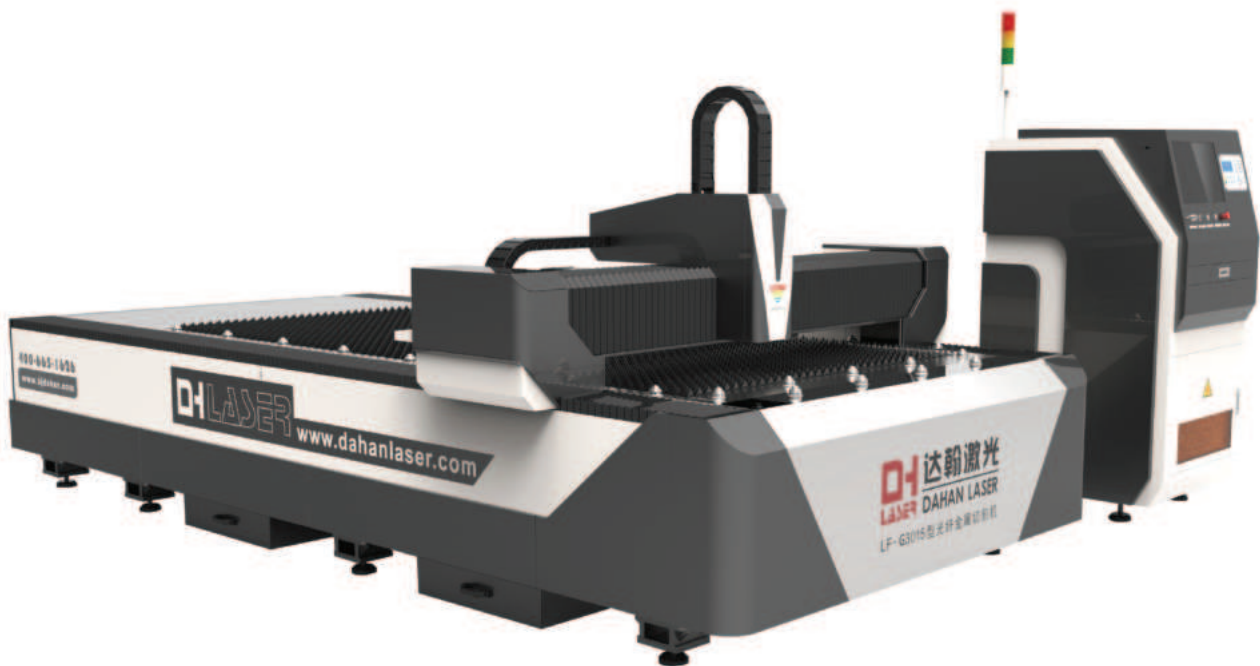
MACHINE MODEL	LF-G3015E	LF-G4015E	LF-G6020E	LF-G8020E
APPEARANCE SIZE	7800*2750*1900mm	9800*2750*1900mm	14000*3250*1900mm	18000*3250*1900mm
WORKING AREA	3000*1500mm	4000*1500mm	6000*2000mm	8000*2000mm
LASER SOURCE POWER	1500W /2000W/ 3000W / 6000W / 12000W			
MINIMUM LINE WIDTH	0.075mm			
POSITIONING ACCURACY	±0.05mm/m			
MAXIMUM CUTTING SPEED	80m/min			
MAXIMUM RUNNING SPEED	118m/min			
MAXIMUM ACCELERATION	1.2G			
DRIVE MODE	PRECISION AC SERVO			
TRANSMISSION MODE	PRECISION DOUBLE DRIVE RACK			
CUTTING THICKNESS	DEPENDS ON LASER POWER			
AUXILIARY GAS	AIR/OXYGEN/NITROGEN			
POWER DEMAND	380V/50HZ/60HZ			
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation			
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING			
AIMING LOCATION	RED LIGHT			
WORKING TIME	24H			

APPLICATION & INDUSTRY

Widely used in the processing of metal plate cutting, pipe(pipe cutting device is optional), Hv/lv electrical ark production, textile machinery pars, spring coil slice, subway line spare parts, advertising board, etc. suitable for cutting carbon steel, stainless steel, aluminum, copper and alloy metal materials.

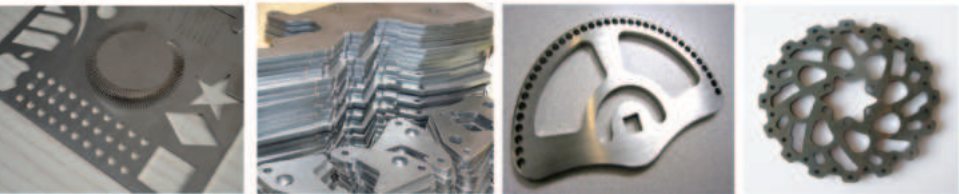
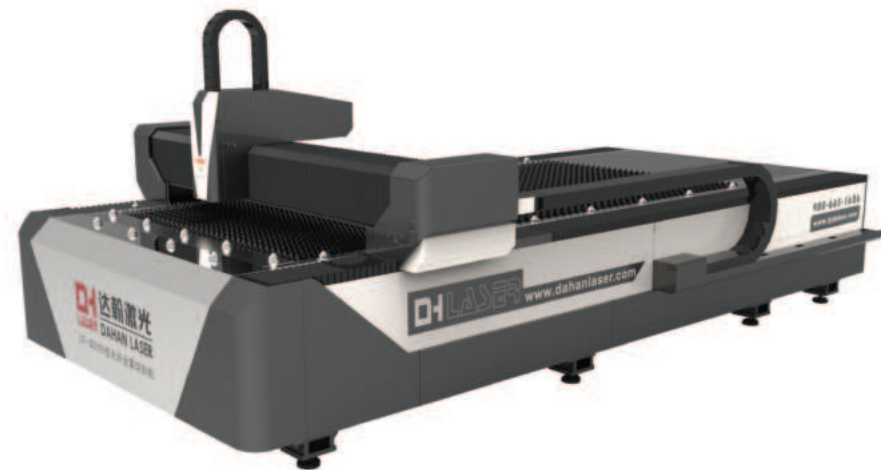


LF-G3015H/4015H/6015H HIGH-POWER INDUSTRIAL FIBER LASER CUTTER



FEATURES AND ADVANTAGES

Equip high quality of fiber generator 3000W to 20000W; There are different brands of fiber generators to be chosen.
Equip top level of rack gear, high quality of linear guide, strict requirements on machine body processing, heavy-duty machine body; To ensure the long-term stability of the machine, and no deformation, fast speed, high precision.
Standard equip independent electrical control cabinet; Optional to customized built-in electrical cabinet and swinging console.



TECHNICAL PARAMETER

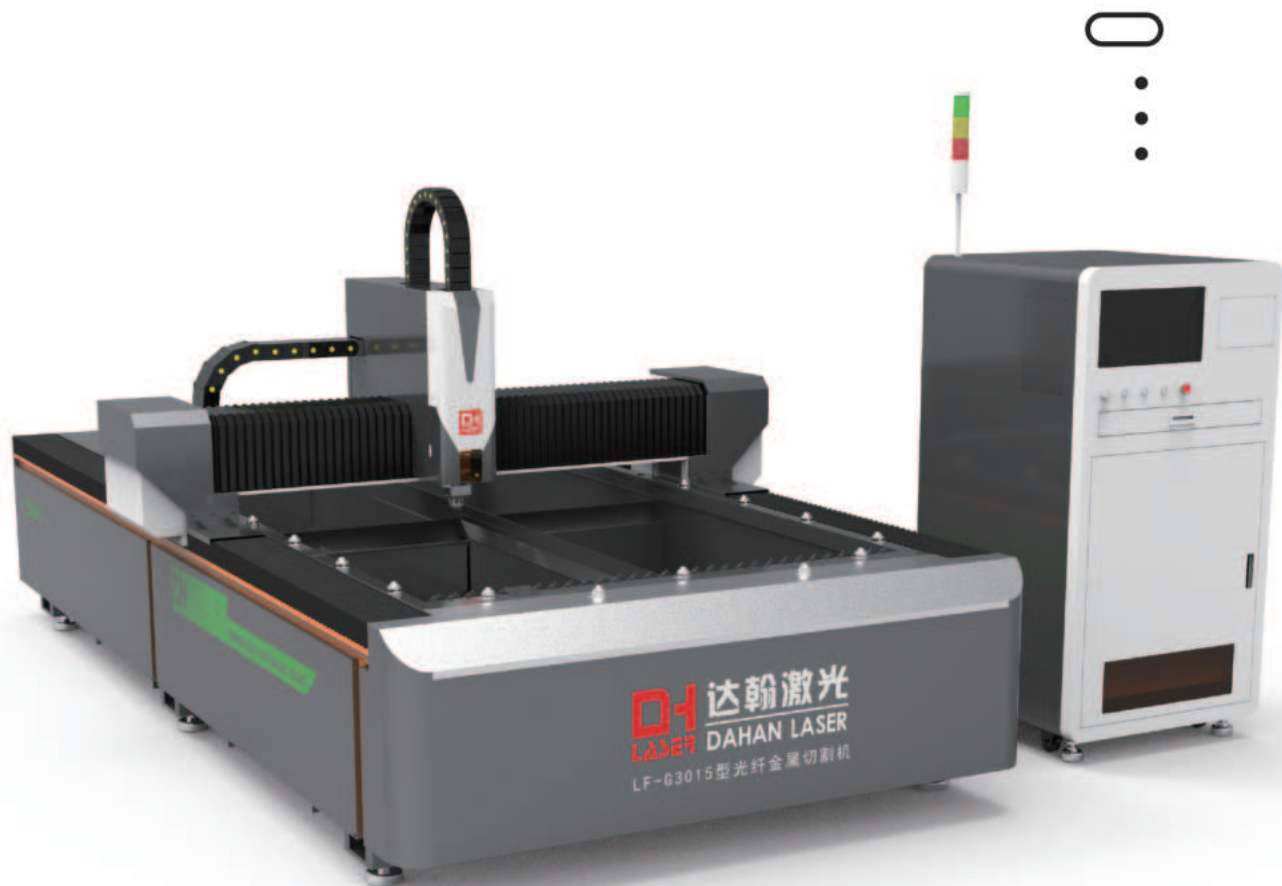
MACHINE MODEL	LF-G3015H	LF-G4015H	LF-G6015H
APPEARANCE SIZE	4420*2380*1650	5400*2380*1650	7420*2380*1650
WORKING AREA	3000*1500	4000*1500	6000*1500
LASER SOURCE POWER	3000W-20000W		
MINIMUM LINE WIDTH	0.075mm		
POSITIONING ACCURACY	±0.02mm/m		
MAXIMUM CUTTING SPEED	50m/min		
MAXIMUM RUNNING SPEED	70m/min		
MAXIMUM ACCELERATION	0.8G		
DRIVE MODE	PRECISION AC SERVO		
TRANSMISSION MODE	PRECISION DOUBLE DRIVE RACK		
CUTTING THICKNESS	DEPENDS ON LASER POWER		
AUXILIARY GAS	AIR/OXYGEN/NITROGEN		
POWER DEMAND	380V/50HZ/60HZ		
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation		
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING		
AIMING LOCATION	RED LIGHT		
WORKING TIME	24H		

APPLICATION & INDUSTRY

Widely used in the processing of metal plate cutting, pipe(pipe cutting device is optional), Hv/lv electrical ark production, textile machinery pars, spring coll slice, subway line spare parts, advertising board, etc, suitable for cutting carbon steel, stainless steel, aluminum, copper and alloy metal materials.

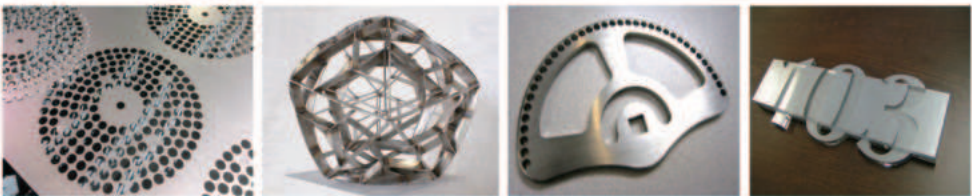


LF-G3015/4015/6015 MEDIUM-POWER INDUSTRIAL FIBER LASER CUTTER



FEATURES AND ADVANTAGES

This machine is designed for cutting metal sheets only.
Strong machine body, ensure long time working without deformation;
Equip high quality of fiber generator 1500W to 6000W; There are different brands of fiber generators to be chosen.
Compare to CO2 laser cutter, fiber laser cutter has very low maintenance costs, multi gas cutting mode, optical fiber transmission, no need to reflect the lens, higher efficiency.
This machine runs on oxygen or nitrogen or air and is not included with the machine.
Optional independent electric control cabinet or built-in electrical cabinet and swinging console.



TECHNICAL PARAMETER

MACHINE MODEL	LF-G3015	LF-G4015	LF-G6015
APPEARANCE SIZE	4420*2380*1800mm	5400*2380*1800mm	7420*2380*1800mm
WORKING AREA	3000*1500mm	4000*1500mm	6000*1500mm
LASER SOURCE POWER	1500W-6000W		
MINIMUM LINE WIDTH	0.075mm		
POSITIONING ACCURACY	±0.03mm/m		
MAXIMUM CUTTING SPEED	50m/min		
MAXIMUM RUNNING SPEED	70m/min		
MAXIMUM ACCELERATION	0.8G		
DRIVE MODE	PRECISION AC SERVO		
TRANSMISSION MODE	PRECISION DOUBLE DRIVE RACK		
CUTTING THICKNESS	DEPENDS ON LASER POWER		
AUXILIARY GAS	AIR/OXYGEN/NITROGEN		
POWER DEMAND	380V/50HZ/60HZ		
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation		
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING		
AIMING LOCATION	RED LIGHT		
WORKING TIME	24H		

APPLICATION & INDUSTRY

Widely used in the processing of metal plate cutting, pipe(pipe cutting device is optional), Hv/lv electrical ark production, textile machinery pars, spring coll slice, subway line spare parts, advertising board, etc, suitable for cutting carbon steel, stainless steel, aluminum, copper and alloy metal materials.



LF-B3015 LOW-POWER FIBER LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

This machine is designed for cutting metal sheets only.
Strong machine body, ensure long time working without deformation;
Equip high quality of fiber generator 1500W to 3000W; There are different brands of fiber generators to be chosen.
Compare to CO2 laser cutter, fiber laser cutter has very low maintenance costs, multi gas cutting mode, optical fiber transmission, no need to reflect the lens, higher efficiency.
This machine runs on oxygen or nitrogen or air and is not included with the machine.
Stand equip built-in electrical cabinet and swinging console.
Economical, low investment, fast return; Stable performance, simple operation.



TECHNICAL PARAMETER

MACHINE MODEL	LF-B3015
APPEARANCE SIZE	4100*2390*1790mm
WORKING AREA	3000*1500mm
LASER SOURCE POWER	1000W / 1500W / 2000W / 3000W
MINIMUM LINE WIDTH	0.075mu
POSITIONING ACCURACY	±0.05mm/m
MAXIMUM CUTTING SPEED	24m/min
MAXIMUM RUNNING SPEED	30m/min
DRIVE MODE	PRECISION AC SERVO
TRANSMISSION MODE	PRECISION DOUBLE DRIVE RACK
CUTTING THICKNESS	DEPENDS ON LASER POWER
AUXILIARY GAS	AIR/OXYGEN/NITROGEN
POWER DEMAND	380V/50HZ/60HZ
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING
AIMING LOCATION	RED LIGHT
WORKING TIME	24H

APPLICATION & INDUSTRY

Widely used in the processing of heteromorphism drawings' contours cutting, high precision high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame wood-working industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, machinery, ship, elevator industry, etc. Suitable for cutting organic materials/acrylic, plywood, MDF, fabric, leather, paper, etc.

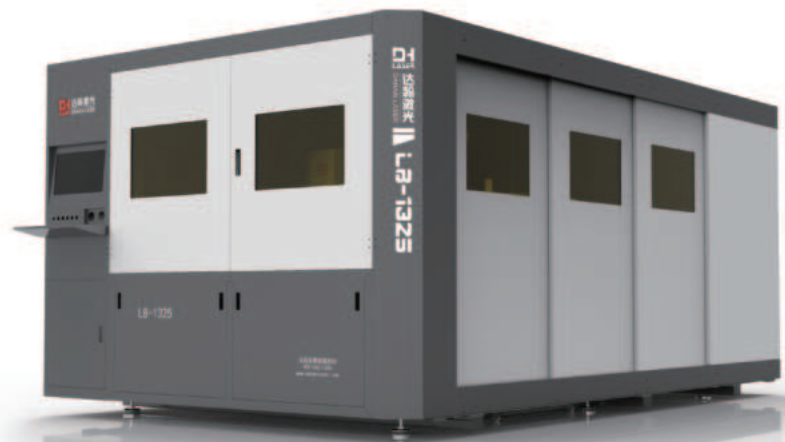


L8-1325 FIBER+CO2 COMBINATION LASER CUTTER



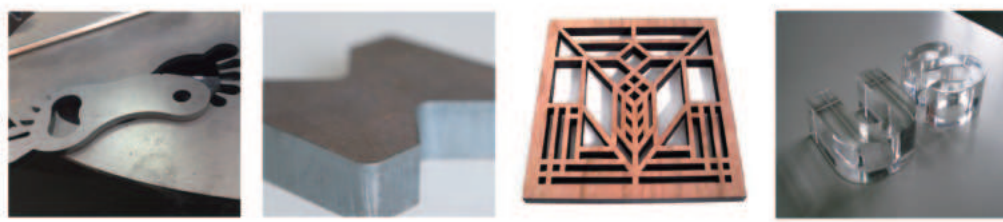
FEATURES AND ADVANTAGES

- This machine is designed for cutting both metal sheets and non-metal sheets.
- The standard machine is open type.
- Enclosed type is optional, makes the working environment cleaner and safer.
- Fiber laser power is optional to choose 1000W/1500W/2000W/3000W
- CO2 laser power is optional to choose 150W/200W/300W/400W/500W/600W, etc.
- There are two different brand of control system to be chosen. Each has its own advantages;
- The same machine, two optical paths, two independent cutting heads;
- One-key switch, easy to achieve metal and non-metal cutting mode;
- XYZ adopt imported high precision ball screw transmission; imported servo motors; to ensure the high accuracy, high stability of the machine.
- Optional CCD edge seeking function, to do contours cutting;
- One machine with multiple functions, occupied small space, saves input costs.



TECHNICAL PARAMETER

MACHINE MODEL	L8-1325
WORKING AREA	1300*2500mm
FIBER LASER POWER	1000W/1500W/2000W/3000W/6000W, etc
CO2 LASER POWER	150W/200W/300W/400W/500W/600W, etc.
POSITIONING ACCURACY	±0.01/300mm
POWER DEMAND	220V/50hz/60hz
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING

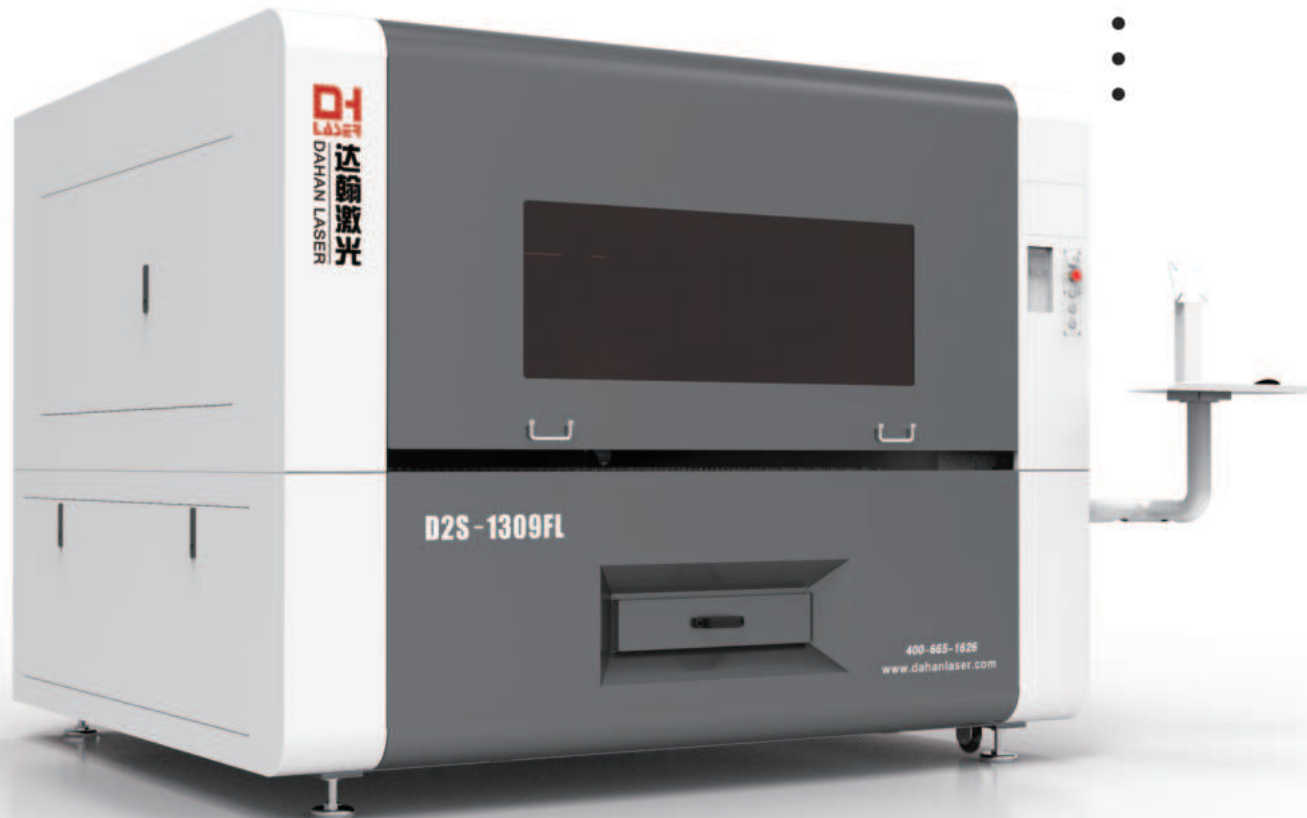


APPLICATION & INDUSTRY

Widely used in the processing of heteromorphism drawings' contours cutting, high precision high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame wood-working industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, machinery, ship, elevator industry, etc. Suitable for cutting organic materials/acrylic, plywood, MDF, fabric, leather, paper, etc.



D2S-1309FL/1313FL FIBER+CO2 COMBINATION LASER CUTTER



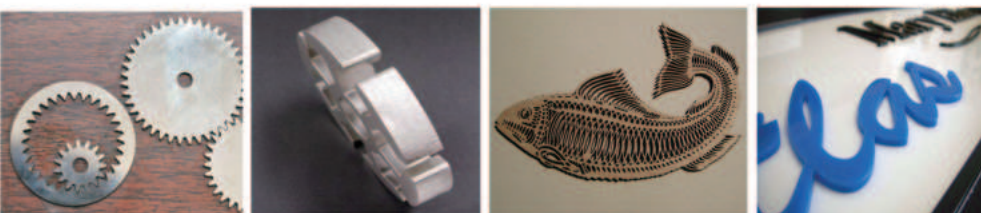
FEATURES AND ADVANTAGES

- This machine is designed for cutting both metal sheets and non-metal sheets.
- The standard machine is open type.
- Enclosed type is optional, makes the working environment cleaner and safer.
- Fiber laser power is optional to choose 1000W/1500W/2000W/3000W
- CO2 laser power is optional to choose 150W/200W/300W/400W/500W/600W, etc.
- There are two different brand of control system to be chosen. Each has its own advantages;
- The same machine, two optical paths, two independent cutting heads;
- One-key switch, easy to achieve metal and non-metal cutting mode;
- XYZ adopt imported high precision ball screw transmission; imported servo motors; to ensure the high accuracy, high stability of the machine.
- Optional CCD edge seeking function, to do contours cutting;
- One machine with multiple functions, occupied small space, saves input costs.



TECHNICAL PARAMETER

MACHINE MODEL	D2S-1309FL	D2S-1313FL
APPEARANCE SIZE	2770*2180*1800mm	2770*2750*1800mm
WORKING AREA	1300*900mm	1300*1300mm
FIBER LASER POWER	1000W/1500W/2000W/3000W/6000W, etc	
CO2 LASER POWER	150W/200W/300W/400W/500W/600W, etc.	
POSITIONING ACCURACY	±0.01/300mm	
POWER DEMAND	220V/50hz/60hz	
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation	
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING	



APPLICATION & INDUSTRY

Widely used in the processing of high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame woodworking industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, etc.



L2-1325 MEAL & NONMETAL CO2 LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

This machine is designed for cutting both metal sheets and non-metal sheets.

CCD function is optional, easy to trace print position for edge cutting.

CO2 laser cutting, it can cut nonmetal sheets in ordinary way, and it can cut metal with assistance of oxygen gas.

Unique capacitive height controller for metal cutting is of automatic tracking of height following the metal plate flatness

One software with a menu for cutting metal and non-metal.

One-key switch, easy to achieve metal and non-metal cutting mode.

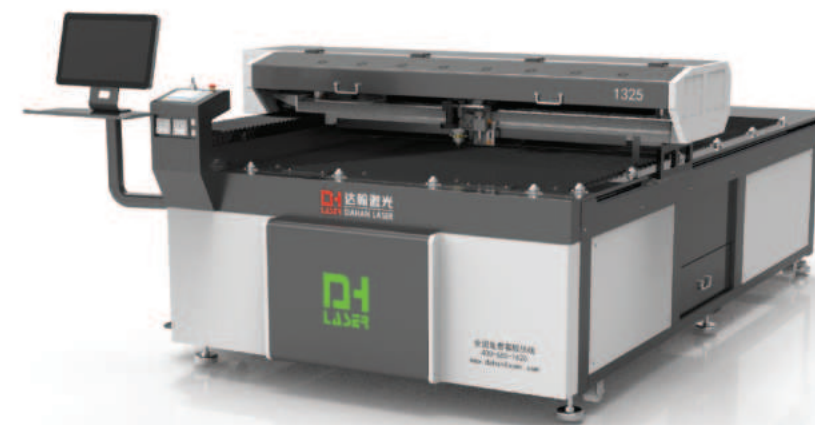
XYZ adopt imported high precision ball screw transmission, Japan Mitsubishi servo motors and driver; Long-term work is very stable, high precision, fast speed.

Dahan self-designed cutting head, can match different focus lens, can fine-tuned focal distance, to achieve the best cutting effect for different materials with different thickness, especially metal sheet.

Dahan patented design of constant light path, which composed 5 reflecting mirrors, makes the light path distance is constant.

With a unique lower and upper exhaust smoke design, and special side blowing design, effectively solve the problem of smoke generated in the cutting process, powerful exhaust fan with venting for removing fumes and smoke; greatly improve the cutting quality;

One machine with multiple functions, occupied small space, saves input costs.



TECHNICAL PARAMETER

MACHINE MODEL	L2-1313	L2-1325	L2-1530	L2-2030
APPEARANCE SIZE	2450*2380*1200mm	3430*2380*1200mm	4400*3900*1200mm	4650*2738*1200mm
WORKING AREA	1300*1300mm	1300*2500mm	1500*3000mm	2000*3000mm
LASER SOURCE POWER	200w/300w/400w			
RESOLVING POWER	0.025mm/step			
POSITIONING ACCURACY	±0.01/300mm			
TOTAL POWER	<5000m			
CUTTING SPEED	18m/min			
POWER DEMAND	220V/50Hz/60Hz			
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation			
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING			



APPLICATION & INDUSTRY

Widely used in the processing of heteromorphism drawings' contours cutting, high precision high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame wood-working industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, machinery, ship, elevator industry, etc. Suitable for cutting organic materials/acrylic, plywood, MDF, fabric, leather, paper, etc.

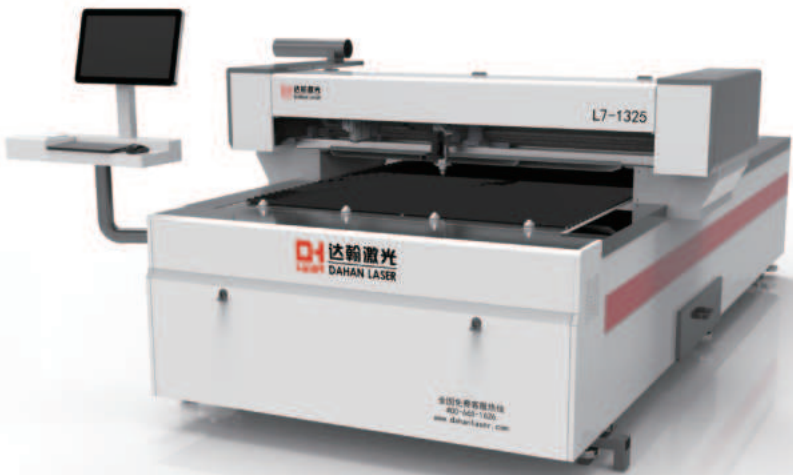


L7-1325 RACK DRIVE LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

CCD function is optional, easy to trace print position for edge cutting.
X, Y gear and rack drive transmission, servo motor with imported reducer; Running fast.
Different power of laser tube is available, such as 150W, 200W, 300W, 400W, 500W, etc.
Strong machine body milled by large NC milling machine; stable, high precision.
All mirrors and focal lenses are high quality imported materials. Proven 10% beam transmission improvement vs. other cheap optics.
With a unique lower and upper exhaust smoke design, effectively solve the problem of smoke generated in the cutting process, powerful exhaust fan with venting for removing fumes and smokes; greatly improve the cutting quality.
Air blower powers laser head air-assist to keep laser area clean and cool.
Knife Blade platform, optional honeycomb platform.
Drawer in machine conveniently collects finished products.
Humanized design computer stand, easy to place the computer.
Standard working table are suitable for 4' by 8' full plate cutting. Other sizes can also be customized.



TECHNICAL PARAMETER

MACHINE MODEL	L7-1325
WORKING AREA	3750*2190*1270mm
WORKING AREA	1300*2500mm
RESOLVING POWER	0.025mm/step
CO2 LASER POWER	200W/300W/400W
CUTTING SPEED	18m/min
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation
POWER SUPPLY	220V/50Hz/60Hz
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING



APPLICATION
&
INDUSTRY

Widely used in the processing of heteromorphism drawings' contours cutting, high precision high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame wood-working industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, machinery, ship, elevator industry, etc. Suitable for cutting organic materials/acrylic, plywood, MDF, fabric, leather, paper, etc.



L6-1325/1313/1530/2030
L6 BALL SCREW CCD HIGH PRECISION
LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

CCD function is optional, easy to trace print position for edge cutting.
XYZ imported high precision ball screw transmission, Japan Mitsubishi servo motors and drivers; Long-term work is very stable, high precision, fast speed.
Dahan self-designed cutting head, can match different focus lens, to achieve different thickness of different materials perfect cutting
Dahan patented design of constant light path, which composed of 5 reflecting mirrors, makes the light path distance is constant. The problem of uneven light path strength caused by the change of the distance of the traditional 3- reflecting-mirror light path is solved.
With a unique lower and upper and cutting head exhaust smoke design, and special side blowing design, all round smoke exhaust design effectively solve the problem of smoke generated in the cutting process, powerful exhaust fan with venting for removing fumes and smokes; greatly improve the cutting quality;
Various working sizes are available for customers to choose.
Sheet acrylic cutting efficiency is quite outstanding, cutting section without waves or ripples.
Star product, has been highly praised by the majority of customers, has sold thousands of units.



TECHNICAL PARAMETER

MACHINE MODEL	L6-1313	L6-1325	L6-1530	L6-2030
APPEARANCE SIZE	2450×2380×1200mm	3650×2380×1200mm	4400×2490×1200mm	4670×3030×1200mm
WORKING AREA	1300*1300mm	1300*2500mm	1500*3000mm	2000*3000mm
LASER SOURCE POWER	200W/300W/400W/500W/600W, etc.			
RESOLVING POWER	0.025mm/step			
POSITIONING ACCURACY	±0.01/300mm			
POWER CONSUMPTION	<4000W			
CUTTING SPEED	≥12m/min			
ENGRAVING SPEED	≥18m/min			
POWER DEMAND	220V/50HZ/60HZ			
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation			
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING			



APPLICATION & INDUSTRY

Widely used in the processing of heteromorphism drawings' contours cutting, high precision high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame wood-working industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, machinery, ship, elevator industry, etc. Suitable for cutting organic materials/acrylic, plywood, MDF, fabric, leather, paper, etc.

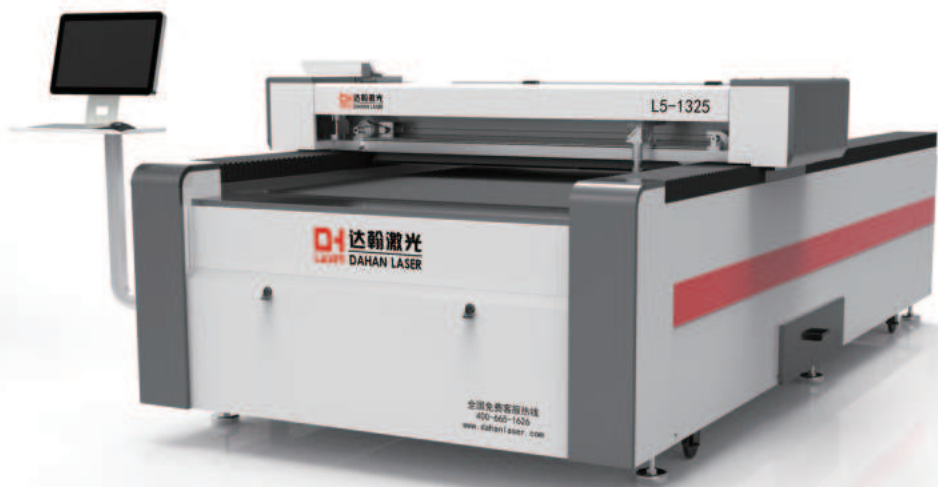


L5-1325/1530 RACK & BELT DRIVE LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

- CCD function is optional, easy to trace print position for edge cutting.
- Dual-Y gear and rack drive transmission, servo motor with imported reducer;
- X axis belt transmission, good at fast engraving.
- Different power of laser tube is available, such as 150W, 200W, 300W etc.
- Strong machine body milled by large NC milling machine; stable, high precision.
- All mirrors and focal lenses are high quality imported materials. Proven 10% beam transmission improvement vs. other cheap optics.
- With a unique lower and upper exhaust smoke design, effectively solve the problem of smokes generated in the cutting process, powerful exhaust fan with venting for removing fumes and smoke; greatly improve the cutting quality.
- Air blower powers laser head air-assist to keep laser area clean and cool.
- Knife Blade platform, optional honeycomb platform.
- Drawer in machine conveniently collects finished products.
- Humanized design computer stand, easy to place the computer, better to do edge cutting.
- Standard working table are suitable for 4' by 8' full plate cutting. Other sizes can also be customized.



TECHNICAL PARAMETER

MACHINE MODEL	L5-1325
APPEARANCE SIZE	3720*2060*1210mm
WORKING AREA	1300*2500
LASER SOURCE POWER	150W / 200W / 300W
RESOLVING POWER	0.025mm/step
POSITIONING ACCURACY	±0.01/300mm
TOTAL POWER	<4000W
CUTTING SPEED	18m/min
POWER DEMAND	220V/50Hz/60Hz
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING



APPLICATION & INDUSTRY

Widely used in the processing of heteromorphism drawings' contours cutting, high precision high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame wood-working industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, machinery, ship, elevator industry, etc. Suitable for cutting organic materials/acrylic, plywood, MDF, fabric, leather, paper, etc.



L3-1325 RACK & BALL SCREW DRIVE LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

CCD function is optional, easy to trace print position for edge cutting.

Dual-Y gear and rack drive transmission, servo motor with imported reducer;

X axis belt transmission, good at fast engraving.

Different power of laser tube is available, such as 150W, 200W, 300W etc.

Strong machine body milled by large NC milling machine; stable, high precision.

All mirrors and focal lenses are high quality imported materials. Proven 10% beam transmission improvement vs. other cheap optics.

With a unique lower and upper exhaust smoke design, effectively solve the problem of smokes generated in the cutting process, powerful exhaust fan with venting for removing fumes and smoke; greatly improve the cutting quality.

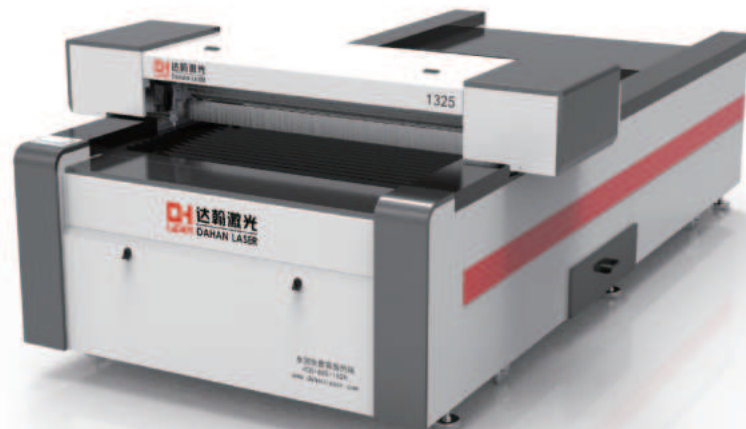
Air blower powers laser head air-assist to keep laser area clean and cool.

Knife Blade platform, optional honeycomb platform.

Drawer in machine conveniently collects finished products.

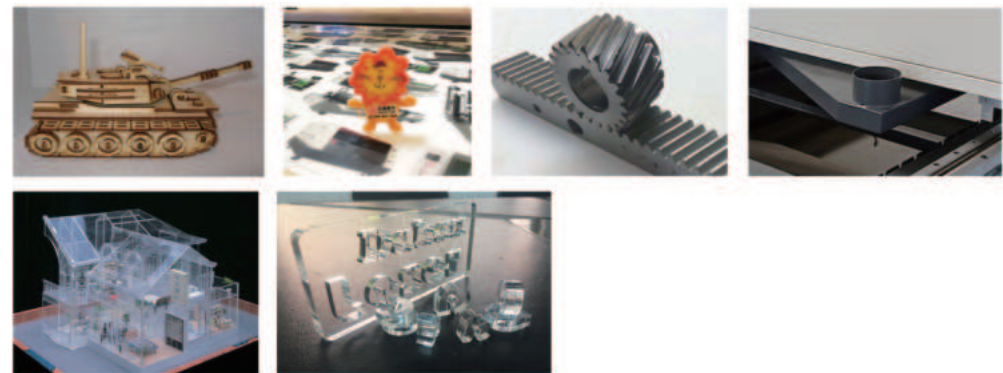
Humanized design computer stand, easy to place the computer, better to do edge cutting.

Standard working table are suitable for 4' by 8' full plate cutting. Other sizes can also be customized.



TECHNICAL PARAMETER

MACHINE MODEL	L3-1325
APPEARANCE SIZE	3720*2060*1210mm
WORKING AREA	1300*2500
LASER SOURCE POWER	150W / 200W / 300W
RESOLVING POWER	0.025mm/step
POSITIONING ACCURACY	±0.01/300mm
TOTAL POWER	<4000W
CUTTING SPEED	18m/min
POWER DEMAND	220V/50Hz/60Hz
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING



APPLICATION & INDUSTRY

It is mainly used for interior plastic parts in the automotive industry, plastic parts in the home appliance industry, cutting and digging of various helmets, blister toys, trimming of blister plexiglass (acrylic), underwear cup molds, 3D models, VR glasses, masks, automotive diaphragms, automotive interior trimming, cutting and punching of automotive bumpers, cutting of automotive center consoles, cutting of automotive taillight lampshades, cutting of automotive taillight injection nozzles, trimming of plastic parts, one-time three-dimensional cutting of semi-finished products and special-shaped moldings of PP, PA, PUR, PBT, PET, PE, TPU, ABS, PVC, PC and other products.



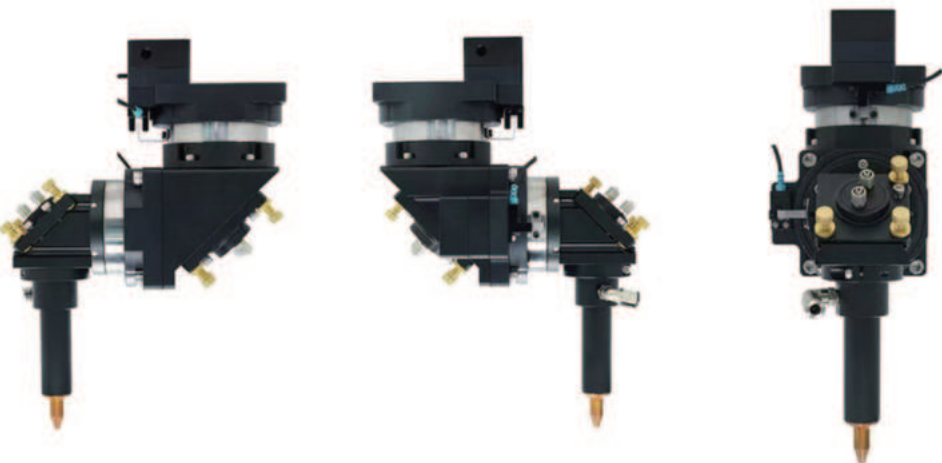
THREE DIMENSIONAL FIVE AXIS LASER CUTTING MACHINE

LF-IX



FEATURES AND ADVANTAGES

Laser is non-contact cutting, and it has no stress effect. The requirements for positioning fixtures are simple, the fixture cost is low, and it can be used cyclically and permanently; Five-axis linkage, three-dimensional programming, good at complex cutting of various materials in three-dimensional space; Through teaching, learn the motion trajectory required by the user, and adjust various control parameters, form a program file and download it to the motion control card, and then control the motion control card to move according to the program file to achieve the purpose of processing products; The cutting edge is smooth, burr-free, high precision, fast speed, high efficiency; The laser cutting head has high dynamics and high precision, and the optimized appearance design can ensure accessibility; Manual control time controller; can directly generate, edit and transmit processing programs through the teach pendant; Adopt five-axis CNC system, 360° infinite rotation, free cutting of three-dimensional, curved, special-shaped and three-dimensional products; Only loading and unloading of materials and ornaments are required, and there is no high technical requirement for operators; save labor and improve production efficiency.



TECHNICAL PARAMETER

MACHINE MODEL	LF-IX
APPEARANCE SIZE	定制
WORKING AREA	定制
LASER POWER	150W/200W/300W/400W/500W/600W/800W/进口射频管
RESOLVING POWER	0.025MM/STEP
POSITIONING ACCURACY	±0.2mm
CURVE SPEED	≤ 6000mm/min
CUTTING SPEED	≤ 4000mm/min
CUTTING PRINCIPLE	Teach pendant / Five-axis path software
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING



APPLICATION & INDUSTRY

Widely used in the processing of heteromorphism drawings' contours cutting, high precision high polished organic materials/acrylic cutting, display panel, display cabinet, showcase, lighting industry, photo frame wood-working industry, architectural model, handicrafts, decoration industry, sign advertising words making, LED lighting box, aerospace industry, machinery, ship, elevator industry, etc. Suitable for cutting organic materials/acrylic, plywood, MDF, fabric, leather, paper, etc.



D2S-1309 BALL SCREW HIGH PRECISION LASER CUTTING MACHINE



FEATURES AND ADVANTAGES

- CCD function is optional, easy to trace print position for edge cutting
- XYZ imported high precision ball screw transmission, Japan Mitsubishi servo motors and drivers; Long-term work is very stable, high precision, fast speed.
- Dahan self-designed cutting head, can match different focus lens, to achieve different thickness of different materials perfect cutting
- Strong machine body milled by large NC milling machine; stable, high precision.
- Air blower powers laser head air-assist to keep laser area clean and cool.
- Knife Blade platform, optional honeycomb platform.
- Drawer in machine conveniently collects finished products.
- The back metal sheet can be opened and the large size of material sheet can be passed through.
- Sheet acrylic cutting efficiency is quite outstanding, cutting section without waves or ripples.



TECHNICAL PARAMETER

MACHINE MODEL	D2S-1309
APPEARANCE SIZE	2110*1690*2130mm
WORKING AREA	1300*900
RESOLVING POWER	0.025mm/step
CO2 LASER POWER	150W / 200W / 300W
POSITIONING ACCURACY	±0.01mm
POWER DEMAND	220V/50Hz/60Hz
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING



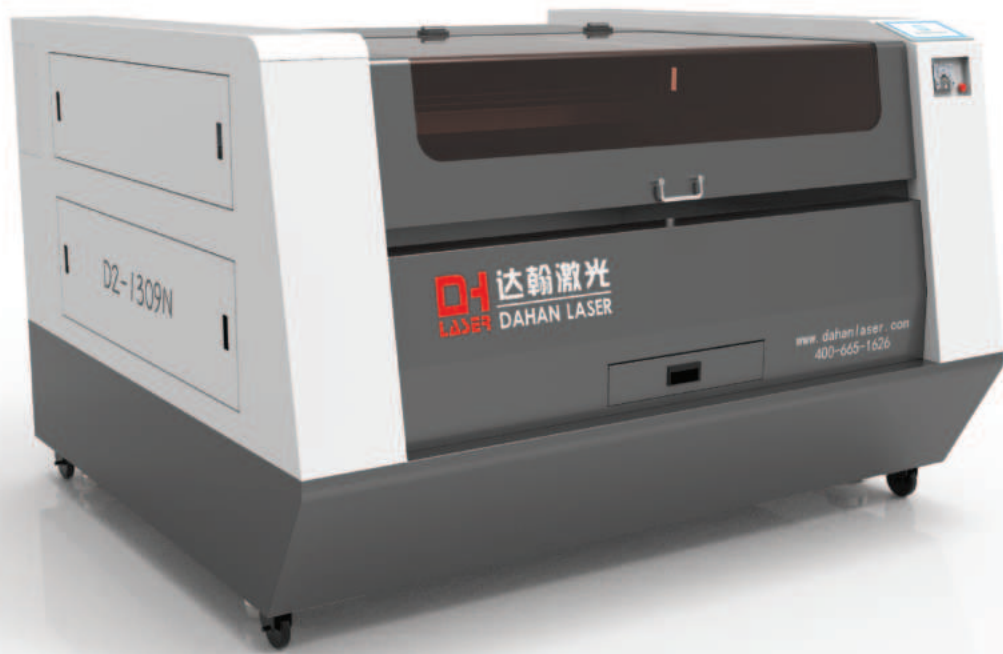
APPLICATION & INDUSTRY

Widely used in sign advertising, gifts, lighting, architecture modeling, package & printing, textile & garment, electronic & appliance, aerospace industry, machinery, ship, elevator industry, etc.

Suitable for cutting or engraving organic material/acrylic, double-color PVC, wooden product, bamboo, fabric, leather, paper, and other non-metal materials.

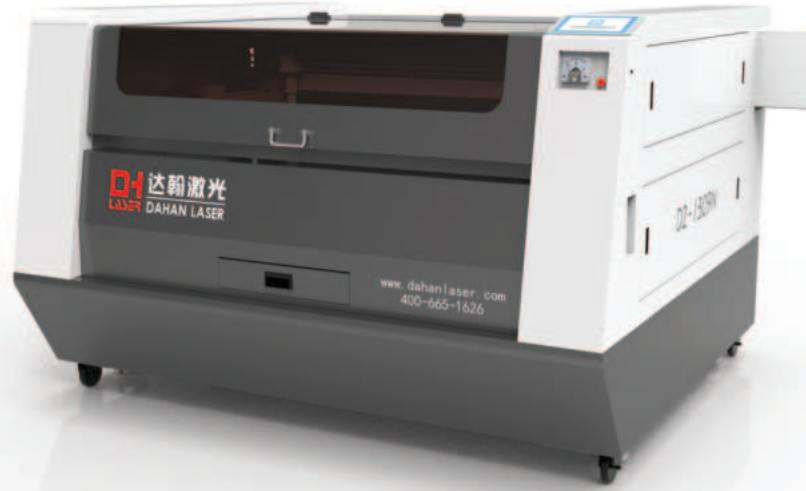


D2-1309N HEAVY-DUTY LASER ENGRAVING & CUTTING MACHINE



FEATURES AND ADVANTAGES

- CCD function is optional, easy to trace print position for edge cutting
- XY Adopt belt transmission, linear guides, stepper motors; good at engraving and cutting;
- Air blower powers laser head air-assist to keep laser area clean and cool.
- Knife Blade platform, optional honeycomb platform.
- Drawer in machine conveniently collects finished products.
- Front and back doors can be opened, large material sheet can be put through.
- Adopt slowdown structure design, make mechanical movement smooth.



TECHNICAL PARAMETER

MACHINE MODEL	D2-1309N
APPEARANCE SIZE	1780*1530*1140mm
WORKING AREA	1300*900
RESOLVING POWER	0.025mm/step
CO2 LASER POWER	60W/80W/100W/130W/150W
POSITIONING ACCURACY	±0.03mm
POWER DEMAND	220V/50Hz/60Hz
WORKING ENVIRONMENT	0-40 ℃, Humidity ≤ 80%, no condensation
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING

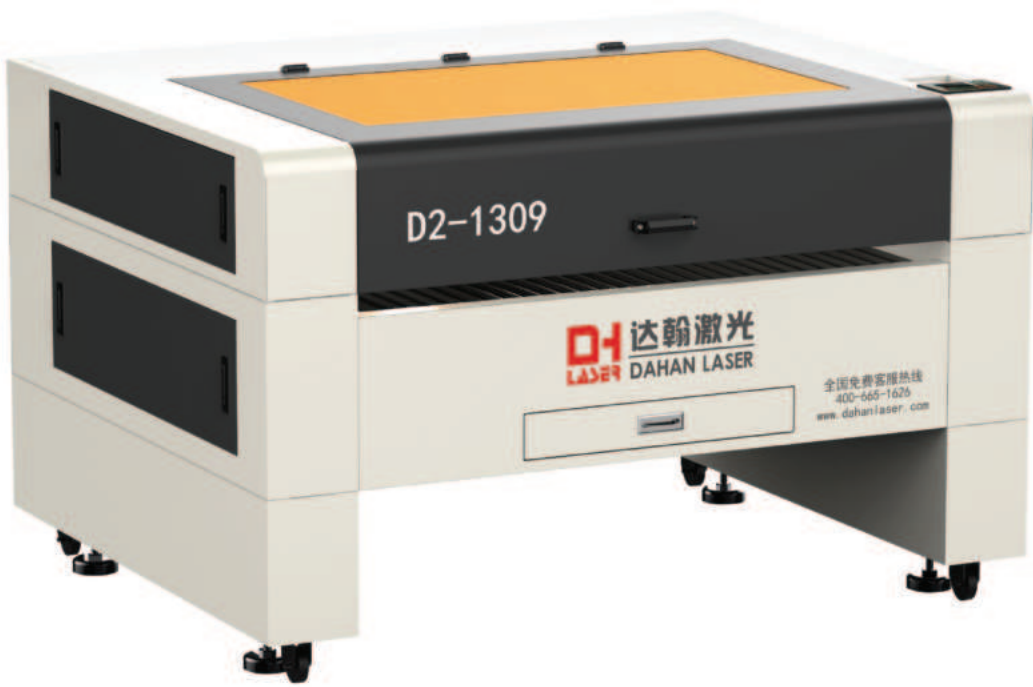


APPLICATION & INDUSTRY

Widely used in sign advertising, gifts, lighting, architecture modeling, pack-
age & printing, textile & garment,
electronic & appliance, aerospace in-
dustry, machinery, ship, elevator in-
dustry, etc.
Suitable for cutting or engraving or-
ganic material/acrylic, double-color
PVC, wooden product, bamboo,
fabrie, leather, paper, and other
non-metal materials.

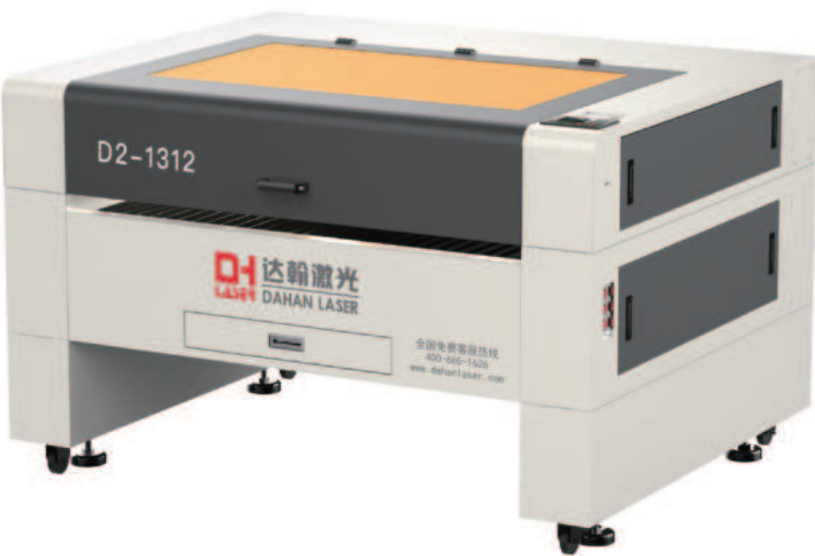


D2-1309/1312/1612 CLASSICAL LASER ENGRAVING AND CUTTING MACHINE



FEATURES AND ADVANTAGES

- CCD function is optional, easy to trace print position for edge cutting
- XY Adopt belt transmission, linear guides, stepper motors; good at engraving and cutting;
- Air blower powers laser head air-assist to keep laser area clean and cool.
- Knife Blade platform, optional honeycomb platform.
- Drawer in machine conveniently collects finished products.
- Front and back doors can be opened, large material sheet can be put through.
- Adopt slowdown structure design, make mechanical movement smooth.



TECHNICAL PARAMETER

MACHINE MODEL	D2-1309	D2-1312	D2-1610
APPEARANCE SIZE	1770*1400*1100mm	1770*1600*1100mm	2070*1500*1100mm
WORKING AREA	1300*900	1300*1200	1600*1000
CO2 LASER POWER	0.025mm/step		
RESOLVING POWER	60W/80W/100W/130W/150W		
POSITIONING ACCURACY	±0.03mm		
POWER DEMAND	220V/50Hz/60Hz		
AMBIENT TEMPERATURE	0—40 ℃, Humidity ≤ 80%, no condensation		
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING		



APPLICATION & INDUSTRY

Widely used in the garment industry and plush fabric manufacturing industry.

Laser cutting of fabrics, non-woven fabrics, flocking fabrics, cotton fabrics, sanding fabrics, car interior floor mats, seat cushions, and trunk cushions.



L1 HIGH SPEED VISION LASER



FEATURES AND ADVANTAGES

New intelligent camera control system, visualized full-color operation panel, synchronized display of cutting images;

Standard CCD visual edge inspection system, automatic positioning, more accurate cutting;

Fully automatic feeding system, cross feeding without deviation;

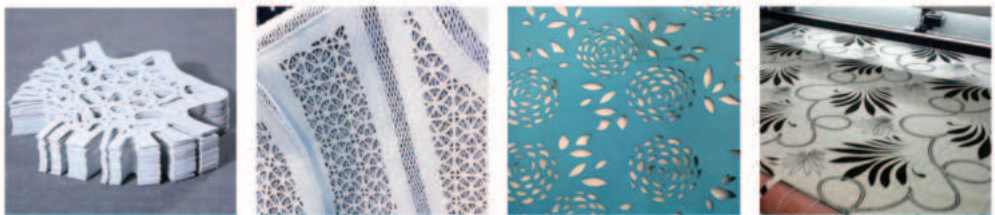
Super strong adsorption table;

Industrial grade bed, with stronger stability.



TECHNICAL PARAMETER

MACHINE MODEL	L1-1410	L1-1610	L1-1612	L1-1812	L1-1814
WORKING AREA	1400*1000mm	1600*1000mm	1600*1200mm	1800*1200mm	1800*1400mm
LASER POWER	60W/80W/100W/130W/150W				
CUTTING SPEED	1-2000mm/s				
POSITIONING ACCURACY	≤0.05mm				
POWER DEMAND	380v/50Hz/±5%				
AMBIENT TEMPERATURE	5-35℃				
COOLING METHOD	INDUSTRIAL CYCLE WATER COOLING				
COUNTERTOP	AUTOMATIC FEED				
WORKING ENVIRONMENT	0-45℃				



APPLICATION & INDUSTRY

Fiber laser marking machine is suitable for marking on kinds of metal, such as stainless steel, aluminum, iron, brass, gold, silver and other metal materials, and also suitable for ABS, PVC, PP , PE and other plastic materials, used to engrave logos, serial numbers, barcodes, images, text, letters, etc.,

CO2 laser marking machine can mark a variety of non-metallic materials and some particular metal products, such as bamboo, wood, paper, ABS, PVC, epoxy resin, acrylic, leather, glass, architectural ceramics, rubber, etc.



DH-F10/20/30/50 DH-C30 / C60 FIBER/CO2 LASER MARKING MACHINE

MACHINE TYPE	Fiber laser marking	CO2 laser marking
MODEL	DH-F30 / F50 / F100	DH-C30 / C60
LASER SOURCE	FIBER LASER	CO2 LASER
LASER POWER	30W / 50W / 100W	30W / 60W
MAX. ENGRAVING SIZE	100*100mm, 200mm*200mm	
MIN LNE WIDTH	0.03mm	
MIN CHARACTER	0.03mm	
ENGRAVING SPEED	0-7000 mm/s	
Laser WAVELENGTH	10.6 um	
COOLING METHOD	air cooling	
POWER DEMAND	220V, 1PH, 50HZ/60HZ.	



LW-300H/500H LW-300/500 CHANNEL LETTER LASER WELDING MACHINE

TECHNICAL PARAMETER

ITEM NO.	LW-300H/500H	LW-300 /500
HANDHELD	With	Without
LASER SOURCE	YAG	
LASER POWER	300W /500W	
LASER WAVELENGTH	1064nm	
FOCAL LENGTH	150-200 mm	
LIGHT SPOT ADJUSTMENT MODE	Manual	
POSITIONING	Red light+CCD monitor	
COOLING METHOD	Water cooling	



APPLICATION & INDUSTRY

Machine has the advantages of easy operation, beautiful welding line and fast welding speed.

Welding in stainless steel sheet, iron sheet, galvanized sheet, thin aluminum sheet or other metal can perfectly replace the traditional argon arc welding, electric welding, etc.

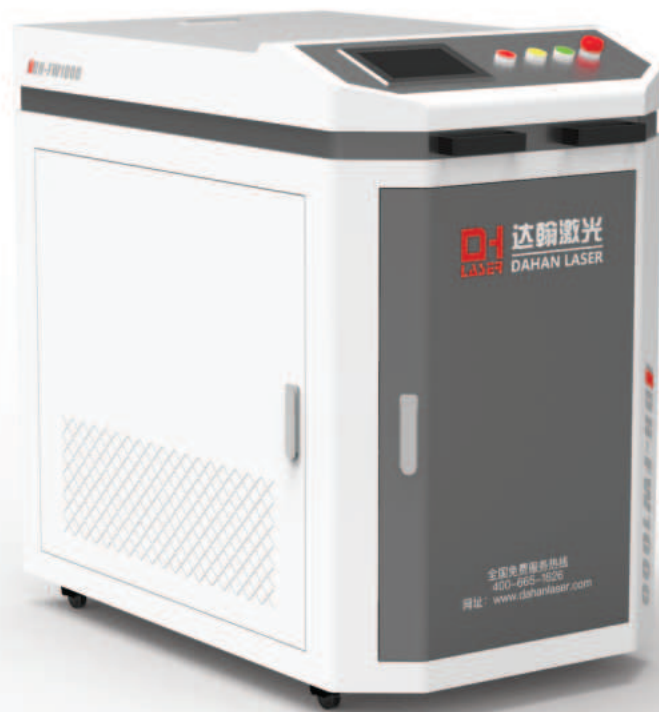


DH-FW1000/1500/2000 HAND-HELD FIBER LASER WELDING MACHINE



FEATURES AND ADVANTAGES

- The system can be welding, cleaning, cutting in all, mainly for welding.
- The welding speed is 2-3 times faster than the traditional welding speed. It can help you to save at least two workers a year.
- Easy to operate, no need welding work license, new user can also weld products beautifully.
- The welding seam is smooth and beautiful.
- Laser welding consumes less material and has a long-life.
- No deformation, no weld scar, welding firmly.
- Safer and more environmentally friendly.




TECHNICAL PARAMETER

MACHINE MODEL	DH-FW1000	DH-FW1500	DH-FW2000
LASER POWER	1000W/1500W/2000W		
FIBER CABLE LENGTH	STANDARD 8-10M		
AUXILIARY GAS	ARGON GAS / NITROGEN GAS		
SPEED	0-120mm/s		
WELDING THICKNESS	0.5-5mm		
WELDING GAP	≤0.5mm		
WORKING VOLTAGE	220V, 50Hz		



DH-X2 | High speed high polished Composites CNC router


1



Servo motors and drivers for all axes

High quality servo system ensures the high precision and high speed of machine processing.


2



Structure bracket

Aluminum plates integral welding, welding firm, more stable in machine running. Greatly beyond the quality of cast aluminum, steel structural parts.


3



4th generation aviation aluminum gantry beam

200*200 mm big size aluminum gantry beam; relative to those traditional steel beam or small aluminum beam, this is not just light, but much more stable, faster in running.


4



High rotation speed water cooling spindle

High quality spindle, 4.0KW / 40000 rpm ; with 1333 Hz inverter; Faster for cutting; Cut acrylic with high polished effect.


5



Intelligent cutting system

The system is easy to learn and operate. Support 2D graphic path generation, support CCD, oscillating tool and other functions; Multifunctional, very stable.


6



Optional auto tools changing

Automatic tool change, no need to stop working; For the workpiece that needs a variety of engraving tools, through pre-programming, the required tool is automatically selected.


7



Optional Oscillating tool


With Oscillating tool, easy to cut flexible material ; Apply to cut advertising KT board, low density PVC, foam board, cardboard, grey cardboard, leather, carpet, etc.

8



Optional CCD system

With CCD visual system, easy to trace print position, easy to do edge cutting.



FEATURES AND ADVANTAGES

The machine has two types. One is manual tools changing, another type is auto tools changing. Customers can choose the right machine according to the processing needs;

Row-type tools changer design in the back of the machine is optional;

CCD edge cutting is optional ;

Oscillating tool is optional, for KT board and low-density PVC cutting; Cutting smooth without burrs.

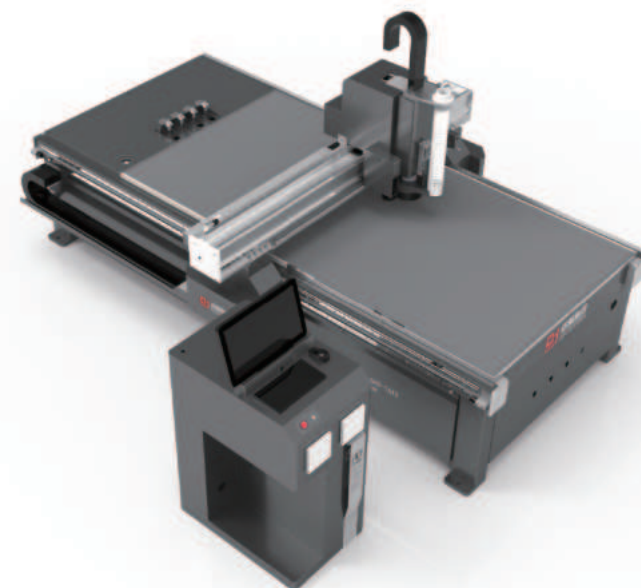
Heavy industrial machine body, aviation aluminum gantry beam;

Adopt two-mould grinding rack gear transmission, high precision linear guide rail, high quality servo motor & drive, imported reducer;

High rotation speed water-cooled spindle, 4.0KW, 40000 RPM, 1333HZ frequency converter; Cutting plate smooth without burr edge, acrylic highlight without knife lines;

Machine running speed up to 100m/min;

Machine cutting speed up to 50 m/min, depending on the materials and thickness.



TECHNICAL PARAMETER

Description	X2-1325	X2-1530	X2-2030
X,Y,Z Max working size (MM)	1300X2500X150mm	1500X3000X150mm	2000X3000X150mm
Machine boundary size (MM)	3318X2113X1700mm	3818X2313X1700mm	3818X2813X1700mm
X,Y,Z Positioning accuracy	±0.05/300mm		
X,Y,Z Re-Positioning accuracy	±0.05mm		
Running speed	130meter/min		
Cutting speed	50 meter/ min (depends on the processing materials)		
Vacuum pump	7.5KW, 380V, 3ph.50/60HZ.		
Spindle	4.0KW, water cooling		
Rotation speed	40000rpm		
Auto tools changing	Opitonal; Row-type design in the back		
Tools magazine	Opitonal, 6 pieces.		
Working electricity	380V,3ph,50Hz / 60Hz		




DH-S1 | DIGITAL CUTTING SYSTEM

1




CCD edge detection and positioning
 Accurately locate various printed contour shapes to achieve automated production in small and multiple batches.

2




QR code identification
 Automatically recognize QR codes to retrieve cutting paths, achieving fast cutting and error free cutting of various printed patterns.

3




New generation touch color screen
 Visual digital fine-tuning and preset storage of blade depth and pressure, bidding farewell to the history of manual adjustment.

4




Ethernet transmission port
 Flexible and stable, with stronger automation scalability, capable of controlling machines and calling files within a local area network.

5



Auxiliary material collection
 After die-cutting is completed, it can automatically cut and piece, making it convenient for later sorting and packaging.

6



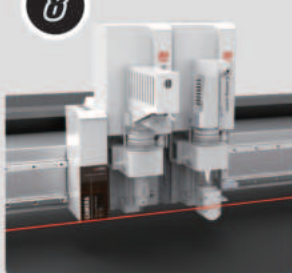
Aviation aluminum honeycomb working platform
 40mm thick perforated aluminum honeycomb platform; with powerful vacuum pump; Very flat and stable, long-term use without deformation; strong suction.

7

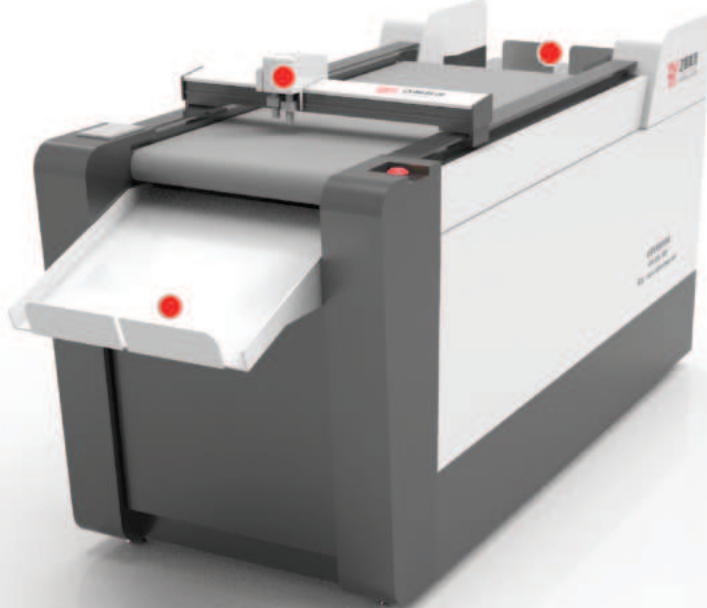


Intelligent conveyor system
 To achieve continuous feeding, improve work efficiency, to achieve long span cutting.

8



Quick-replacement universal modules
 Replaceable tools modules, optional choosing appropriate tools can quickly and accurately achieve intelligent cutting of different kinds of materials.



FEATURES AND ADVANTAGES

The machine has two types. One is manual tools changing, another type is auto tools changing. Customers can choose the right machine according to the processing needs;

Row-type tools changer design in the back of the machine is optional;

CCD edge cutting is optional ;

Oscillating tool is optional, for KT board and low-density PVC cutting; Cutting smooth without burrs.

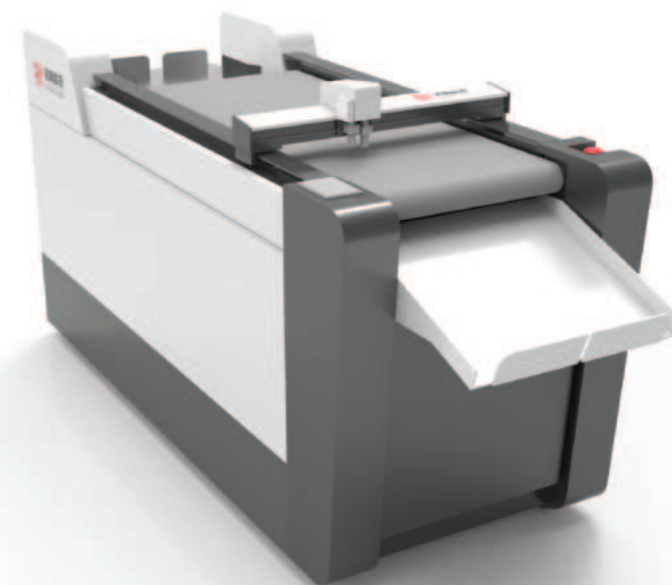
Heavy industrial machine body, aviation aluminum gantry beam;

Adopt two-mould grinding rack gear transmission, high precision linear guide rail, high quality servo motor & drive, imported reducer;

High rotation speed water-cooled spindle, 4.0KW, 40000 RPM, 1333HZ frequency converter; Cutting plate smooth without burr edge, acrylic highlight without knife lines;

Machine running speed up to 100m/min;

Machine cutting speed up to 50 m/min, depending on the materials and thickness.



TECHNICAL PARAMETER

MACHINE MODEL	DH-S1-330
Working area	250*800*1100mm
Automation feeding capability	<100mm
Feeding system	Suction cup suction
Material size(max)	600*400mm
Material size(mini)	210*297mm
Maximum cutting speed	1200mm/s
Cutting thickness	≤1.5mm
Repeatability	±0,1mm
Whole machine power	4KW
Voltage	AC220V/50Hz



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Intelligent anti-collision and infrared blocking device to maximize the safety of operators.

2 Quick-replacement universal modules

Replaceable tools modules, optional choosing appropriate tools can quickly and accurately achieve intelligent cutting of different kinds of materials.

3 German BEIDI Mute belt Transmission

Stable running without noise, max running speed up to 120 meter /min.

4 Servo motors and drivers for all axes

6 sets of high power high quality servo motors to ensure the high precision and high speed of the cutting process; Make machine working more stable, more efficient.

5 Intelligent cutting system

With Hd CCD camera, automatic boundary recognition function, automatic positioning; Simple and easy to operate, compatible with a variety of software, convenient and fast.

6 Industrial strong machine body

Steel frame welded machine body; High temperature quenching treatment, finishing by gantry milling CNC center, high precision, strong stability.

7 Intelligent conveyor system

To achieve continuous feeding, improve work efficiency, to achieve long span cutting.

8 Aviation aluminum honeycomb working platform

40mm thick perforated aluminum honeycomb platform; with powerful vacuum pump; Very flat and stable, long-term use without deformation; strong suction.

达翰科技 DAHAN LASER

Diversified Cutting Tools Configuration

A variety of cutting tools for your choice

Electronic oscillating tool

The EOT (Electronic oscillating) head, cutting materials by ultra-high frequency oscillation, especially suitable for medium density material cutting. You can cut materials of different thickness by selecting different cutting blades at different angles, such as 16°, 26°, 35°, 45° etc. Apply to cut advertising KT board, foam board, ABS plastic, corrugated plastic board, cardboard, grey cardboard, silk ring pad, carpet, etc.

Drag tool

The UCT (Universal cutting) head, by making the blade quickly moving, realize the material cutting processing, cutting materials at the fastest processing speed. It can cut PP paper, PP gum, reflective materials, car stickers, ABS plastic, thin plastic, blanket, imitation leather, KT board, snow board, cardboard, soft glass and so on.

Kiss cutting tool

The KCT (Kiss cut) head achieves only cut through the upper half of the material, but not cut to the lower half of the material. It can process labels, stickers, Vinyl, reflective stickers, magnetic stickers, PP paper, PP gum, rubber cloth, imitation leather, cardboard, soft glass, etc.

V-cut tool

The V-cut tool can process different specification of V-shaped grooves and bevels by changing the installation angle of the cutting blade (0°, 15°, 22.5°, 30°, 45°). It can process soft glass, PVC, honeycomb board, KT board, corrugated paper, vertical corrugated board, gray board and so on.

Creasing type tool

The CTT (Creasing Type Tool) head, which is rolled over the material by a circular wheel, produces an indentation effect on the material. With different specifications of wheels, it can achieve different indentation effect. It used for making creases on cardboard, corrugated paper, corrugated plastic board, honeycomb board etc.

Pneumatic oscillating tool

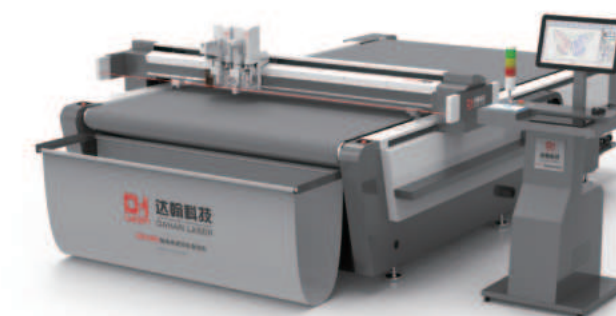
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Wheel cut tool

The DRT (Driven rotary tool)/Wheel cut tool, through the motor driven blade high-speed rotation movement to cut the material. With a variety of blades, realize the processing of different materials, such as cashmere, UV cloth, carbon fiber, glass fiber, banner, flag cloth, shading cloth and other textiles.

TECHNICAL PARAMETER

MODEL	DH-X1-1625
Max working size	1600*2500mm
Boundary dimension	3744*2290*1374mm
Max traveling speed	180 meter /min
Max cutting speed	100meter/min
Max cutting thickness	50mm
Cutting accuracy	0.1mm
Data format	DXF/HPGL
Working table type	Vacuum
Vaccum pump power	7.5KW
Electricity	220V, 1ph, 50/60Hz & 380V, 3ph, 50/60Hz
Environment	Temperature: 0°C-40°C Humidity: 20%-80%RH



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German BEIDI Mute belt Transmission

Stable running without noise, max running speed up to 120 meter /min.

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Servo motors and drivers for all axes

6 sets of high power high quality servo motors to ensure the high precision and high speed of the cutting process; Make machine working more stable, more efficient.

5

optional Ultra-quiet vacuum system

Independently developed and designed by Dahan; Noise level is as low as 45 dB during machine working.

6

Aviation aluminum honeycomb working platform

40mm thick perforated aluminum honeycomb platform; with powerful vacuum pump; Very flat and stable, long-term use without deformation; strong suction.

7

Optional hot air blowing device

During the processing, hot air blowing can ensure that soft film products do not have curled edges and improve processing accuracy.

8

Sorting system

Unloading sorting area, convenient and fast, greatly improve production capacity.



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Drag tool



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Creasing type tool



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Pneumatic oscillating tool



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Wheel cut tool



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TECHNICAL PARAMETER

MODEL	DH-X1-1650
Max working size	1600*5000mm
Boundary dimension	2283*6359*1374mm
Max traveling speed	180meter/min
Max cutting speed	100meter/min
Max cutting thickness	50mm
Cutting accuracy	0.1mm
Data format	DXF/HPGL
Working table type	Vacuum
Vaccum pump power	7.5KW
Electricity	220V, 1ph, 50/60Hz & 380V, 3ph, 50/60Hz
Environment	Temperature: 0°C-40°C Humidity: 20%-80%RH



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Intelligent anti-collision and infrared blocking device to maximize the safety of operators.

2

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Replaceable tools modules, optional choosing appropriate tools can quickly and accurately achieve intelligent cutting of different kinds of materials.

3

High accuracy rack gear transmission

Adopt YYC grinding rack gear transmission, stable running, strong for cutting.

4

Servo motors and drivers for all axes

6 sets of high power high quality servo motors to ensure the high precision and high speed of the cutting process; Make machine working more stable, more efficient.

5

Intelligent cutting system

With Hd CCD camera, automatic boundary recognition function, automatic positioning; Simple and easy to operate, compatible with a variety of software, convenient and fast.

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Aviation aluminum honeycomb working platform

40mm thick perforated aluminum honeycomb platform; with powerful vacuum pump; Very flat and stable, long-term use without deformation; strong suction.

7

Intelligent conveyor system

To achieve continuous feeding, improve work efficiency, to achieve long span cutting.

8

Optional Heavy duty automatic feeder

If the machine width is over 2.5 meters, its matching material rolls is also over 2.5 meter, that is too wider and heavier, recommended to select this option.

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TECHNICAL PARAMETER

MODEL	DH-X3-3225
Max working size	3200*2500mm
Boundary dimension	4084*3525*1374mm
Max traveling speed	180meter/min
Max cutting speed	100meter/min
Max cutting thickness	50mm
Cutting accuracy	0.1mm
Data format	DXF/HPGL
Working table type	Vacuum
Vaccum pump power	7.5KW
Electricity	220V, 1ph, 50/60Hz & 380V, 3ph, 50/60Hz
Environment	Temperature: 0°C-40°C Humidity: 20%-80%RH



DH-X3 | DIGITAL CUTTING SYSTEM

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Servo motors and drivers for all axes

6 sets of high power high quality servo motors to ensure the high precision and high speed of the cutting process; Make machine working more stable, more efficient.

5

Optional Router spindle

manual tools changing or auto tools changing; Suitable for cutting hard boards, such as acrylic, plywood, PP, PVC, PS, etc.

6

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40mm thick perforated aluminum honeycomb platform; with powerful vacuum pump; Very flat and stable, long-term use without deformation; strong suction.

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TECHNICAL PARAMETER

MODEL	DH-X3-1625	DH-X3-2131
Max working size	1600*2500mm	2100*3100mm
Max traveling speed	180meter/min	
Max cutting speed	100meter/min	
Max cutting thickness	50mm	
Cutting accuracy	0.1mm	
Data format	DXF/HPGL	
Working table type	Vacuum	
Vaccum pump power	7.5KW	
Electricity	220V, 1ph, 50/60Hz & 380V, 3ph, 50/60Hz	
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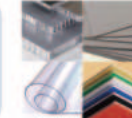
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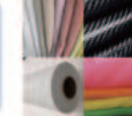
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TECHNICAL PARAMETER

MODEL	DH-X5-1625
Max working size	1600*2500
Boundary dimension	3744*2290*1374 mm
Max traveling speed	180meter/min
Max cutting speed	100meter/min
Max cutting thickness	50mm
Cutting accuracy	0.1mm
Data format	DXF/HPGL
Working table type	Vacuum
Vacuum pump power	7.5KW
Electricity	220V, 1ph, 50/60Hz & 380V, 3ph, 50/60Hz
Environment	Temperature: 0°C-40°C Humidity: 20%-80%RH

