

High Precision Laser Cutting Machine Products

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Laser Cleaning Machine

Portable Laser Cleaning Machine

Laser Paint Cleaner

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Fiber Laser Marking Machine

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Christopher Rodriguez

We were always looking for the right technology to modify our industrial cleaning. In our search, we found Herolaser. The results and time to compl...

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Versatile 355nm PCB High Precision Laser Cutter For Depaneling

HEROLASER



Place of Origin	China
Brand Name	Herolaser
Certification	CE, FDA
Model Number	ML-CT-A01-500W
Minimum Order Quantity	1 SET
Price	Negotiable
Packaging Details	Wooden case package: 1700 ×1250 ×1750 mm/1500 KG
Delivery Time	20 days
Payment Terms	T/T, Western Union
Supply Ability	200 sets/month



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PRODUCT DETAILS

Application	Laser Cutting / Laser Marking	Laser Wevelength	355nm
Electricity Demand	220V /50Hz/32A	Effective Cutting Range	450mm*450mm
Cutting Thickness	≤0.4mm	Cutting Speed	≤2m/s
Line Width	0.02mm	Power Consumption	≤3KW
High Light	FDA 355nm high precision laser cutter, FDA PCB High Precision Laser Cutter, FDA 355nm pcb laser cutting machine		

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PRODUCT DESCRIPTION

PCB Laser Cutter High Precision Laser Cutting Machine for FPC, PCB, FR4 and Cover Film

Introduction of machine:

It is a laser system that is used for depaneling, separating, and singulating individual circuit boards from an array of many boards on one large panel. It is an alternative method with distinct advantages over other forms of PCB depaneling such as routers, dicing saws or die punches. PCB laser cutting uses a high-powered beam to cut material based on computer software controlled parameters.

Advantages of PCB cutter:

No stress

Mechanical methods are hard on the solder joints of a PCB.

No Burrs

A laser-cut boards edge is smooth and clean, there is no need for further downstream processing.

No particles

Lasers do not create the dust particles as generated by traditional mechanical cutting methods such as dicing saws and routers.

Therefore, any downstream cleaning can be eliminated entirely from the production line. This is especially important for PCBs with optical components such as camera lenses, but also helps to reduce failures of on-board sensors.

Versatility

Lasers are significantly more versatile than mechanical methods on both the application and material side. They are typically able to cut, drill, ablate metal, and skive a wide variety of PCB materials such as FR4, Rogers microwave substrates, Polyimide, fired ceramics, LTCC and so on.

Product parameters:

Item	Parameters
Laser wavelength	355nm
Effective cutting range	450mm*450mm
Cutting thickness	≤0.4mm
CCD automatic positioning accuracy	7μm
Cutting speed	≤2m/s
Workable positioning accuracy	≤0.02mm
Repeat positioning accuracy	≤±0.01mm
Electricity demand	AC220V±5%/50Hz
Power consumption	≤3kw
Galvanometer repeat accuracy	±3μm

Applied area and materials:

Suitable for FPC flexible circuit board, flexible circuit board sub-board processing, including contour cutting processing, grooving, opening, FR4/ battery film window, etc. widely

Samples for reference:



FAQ

- How is the payment?
30% deposit before production and the balance 70% before shipment
- How is the delivery and shipment?
Ship in 7 days after 100% payment;
Plywood box packaging
- How will you guarantee aftersales services?
We offer two warranty for laser source, one year for whole machine and lifetime maintenance services.
Engineers available to service machinery overseas
Free technical training in our factory
Free sample can be sent to you
Professional technical team 24 hours online
- How about your presales service?
Speeding offer within 8 hours quick response and free consulting.
Free sample cutting or testing is available
Progressing solution design to all clients, including distributors and end users.



- Tags:** 2mm High Precision Laser Cutting Machine 1070nm High Precision Laser Cutting Machine
- 500W High Precision Laser Cutting Machine

RECOMMENDED PRODUCTS

FDA Certificate Laser Cutting System	500W High Precision Laser Cutting Machine	1070nm High Precision Laser Cutting Machine	355nm FDA High Precision Laser Cutting Machine , Laser Cuttin...
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Shenzhen Herolaser Equipment Co., Ltd.



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