



ChangWei Electronic Equipment Manufactory

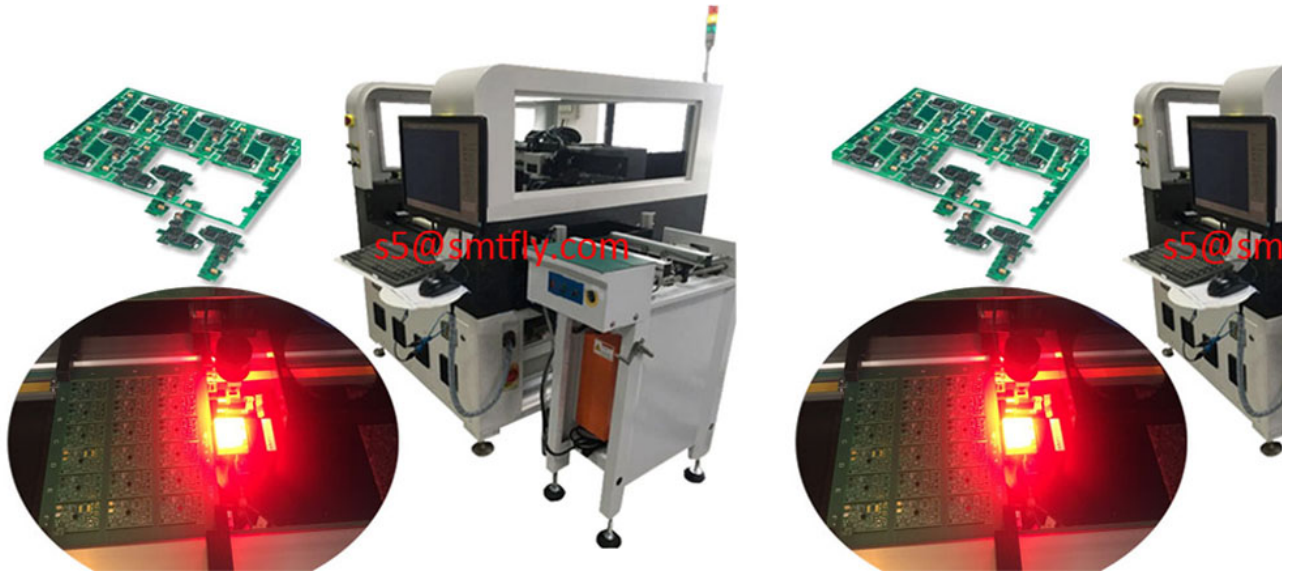
Request A Quote - Email


We are the first Factory in China that provides Total Full Solution for Electronic factories.

(www.pcb-soldering.com)

Product search

Home (/) > Laser Depanel Machine



 (/Uploads/5ad6fec93c4ef.jpg)

PCB Laser Depaneling Machines-PCB Separator

Product description: PCB Laser Depaneling Machines-PCB Separator

[▶ INQUIRY](#)

PCB Laser Depaneling Machines-PCB Separator Description:

PCB depaneling (singulation) laser machines and systems have been gaining popularity over recent years. Mechanical depaneling/singulation is done with routing, die cutting, and dicing saw methods. However, as the boards get smaller, thinner, flexible, and more sophisticated, those methods produce even more exaggerated

mechanical stress to the parts. Large boards with heavy substrates absorb these stresses better, while these methods used on ever-shrinking and complex boards can result in breakage. This brings lower throughput, along with the added costs of tooling and waste removal associated with mechanical methods.

Increasingly, flexible circuits are found in the PCB industry, and they also present challenges to the old methods. Delicate systems reside on these boards and non-laser methods struggle to cut them without damaging the sensitive circuitry. A non-contact depaneling method is required and lasers provide a highly precise way of singulation without any risk of harming them, regardless of substrate.

PCB Laser Depaneling Machines-PCB Separator Specification:

| | |
|--|--|
| Laser | Q-Switched diode-pumped all solid-state UV laser |
| Laser Wavelength | 355nm |
| Laser Power | 10W/12W/15W/17W@30KHz |
| Positioning Precision of Worktable of Linear Motor | ±2µm |
| Repetition Precision of Worktable of Linear Motor | ±1µm |
| Effective Working Field | 460mmX460mm(Customizable) |
| Laser Scanning Speed | 2500mm/s (max) |
| Galvanometer Working Field Per One Process | 40mmx40mm |

PCB UV Laser Cutting Machine-Laser PCB Depaneling Machine Features:

1. More quick and easy, shorten the delivery time;
2. High quality no distortion surface clean& uniformity;
3. Gathering the CNC tech laser tech software tech...High accuracy High speed.

Advantages of Laser PCB depaneling/singulation:

No mechanical stress on substrates or circuits

No tooling cost or consumables.

Versatility – ability to change applications by simply changing settings

Fiducial Recognition – more precise and clean cut

Optical Recognition before PCB depaneling/singulation process begins.

Ability to depanel virtually any substrate. (Rogers, FR4, ChemA, Teflon, ceramics, aluminum, brass, copper, etc)

Extraordinary cut quality holding tolerances as small as < 50 microns.

No design limitation – ability to cut virtually any size PCB board including complex contours and multidimensional boards

More information welcome to contact us:

Email: s5@smtfly.com & s4@smtfly.com

Wechat/Whatsapp: +86 136 8490 4990

PREVIOUS [◆◆PCB Laser Depaneling System with High Precisi \(/index.php/product/index/id/996.html\)](/index.php/product/index/id/996.html)

NEXT [◆◆PCB Depaneling with Lasers,Precise & cost-eff \(/index.php/product/index/id/998.html\)](/index.php/product/index/id/998.html)

RELATED PRODUCTS



[\(/index.php/product/index/id/430.html\)](/index.php/product/index/id/430.html)

FPC Laser Depanelize [\(/index.php/product/index/id/430.html\)](/index.php/product/index/id/430.html)

FPC Laser Depanelizer Machine,Printed Circuit Board Laser PC...



[\(/index.php/product/index/id/431.html\)](/index.php/product/index/id/431.html)

V-cut PCB Depaneling [\(/index.php/product/index/id/431.html\)](/index.php/product/index/id/431.html)

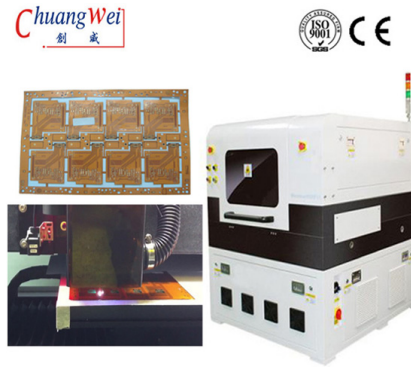
V-cut PCB Depaneling Machine(CE) V-cut FPC Depanelizer Manuf...



[\(/index.php/product/index/id/432.html\)](/index.php/product/index/id/432.html)

[Inline Laser PCB Dep \(/index.php/product/index/id/432.html\)](/index.php/product/index/id/432.html)

Fabrication PCB Laser Depaneling Machine,Inline Laser PCB De...



[\(/index.php/product/index/id/433.html\)](/index.php/product/index/id/433.html)

[Manufacturing Flexib \(/index.php/product/index/id/433.html\)](/index.php/product/index/id/433.html)

Printed Circuit Board Manufacturing Process Flexible Circuit...

CATEGORIES

[Laser Depanel Machine \(/index.php/list/index/id/89.html\)](/index.php/list/index/id/89.html)

[PCB Router Machine \(/index.php/list/index/id/90.html\)](/index.php/list/index/id/90.html)

[PCB/FPC Punching \(/index.php/list/index/id/97.html\)](/index.php/list/index/id/97.html)

[V-cut PCB Separator \(/index.php/list/index/id/91.html\)](/index.php/list/index/id/91.html)

LATEST NEWS

[Basic Maintenance Requirements for Aluminum PCB Separators \(/index.php/new/index/id/70.html\)](/index.php/new/index/id/70.html)

[Chuangwei PCB Separator is complete,directly hit the custome \(/index.php/new/index/id/69.html\)](/index.php/new/index/id/69.html)

[Strong Chuangwei Online PCB Board Router Machine-PCB Routing \(/index.php/new/index/id/68.html\)](/index.php/new/index/id/68.html)

[High-quality SMT PCB Separator Machine conquer customers fro \(/index.php/new/index/id/67.html\)](/index.php/new/index/id/67.html)

[Talking about the important basis of the rapid and sustainab \(/index.php/new/index/id/66.html\)](/index.php/new/index/id/66.html)

CONTACT US

Contact: Bunny

Phone: +86 136 8490 4990

Tel: 86-0769-82784046

Email: s5@smtfly.com

Add: Shenzhen, China 518103

Sitemap (</sitemap.html>)

Add: Shenzhen, China 518103 Tel: 86-0769-82784046 Fax: