

## LPC Series

# UV Laser Cutter

LPC-DT250 laser cutting system was designed for FPCB cutting, glass marking, Sapphire scribing and so on.

This system consists of a UV laser, a scanner, a X-Y stage and a vision.

The PLT file made in AutoCad can be applied to L&P code which is the processing software.



Model LPC-DT250

Laser & Physics Co., Ltd .



Laser & Physics

## ▲ Typical Application

- FPCB cutting, Glass marking, Si, Sapphire Wafer scribing

## ▲ Specifications

Laser type	DPSS Nd:YAG	
Wavelength	355nm	
Pulse repetition rate	Single ~ 100 kHz	
Stabilized average energy	7 W (1~10W option)	
Output stability	< 5%	
Warm-up time	30 min.	
Beam diameter	Φ3mm	
Cutting accuracy	100 μm	
Cooling	Water + Air	
Dimension	1500mm(W) x 1648mm(H) x 1200mm(D)	
Electricity	220V, 3PH	
Weight	< 500kg	
PC	Pentium 4	
Monitor	12" LCD	
OS	Windows 2000	
Vision	FOV : 3x4mm vision system,	
S/W	L&P code	
X-Y Stage	Stroke	400mm x 400mm
	Accuracy	±10 μm
	Repeatability	±5 μm
Scan Head	Marking speed	1 m/s with f=160mm F-theta lens
	Positioning speed	7 m/s
	Typical scan angle	0.7 rad
	Gain error	< 5 mrad