



BEAMTEK DLC Series CO₂ Laser Printer

DLC series CO₂ Laser printer adopts a new intelligent vector control algorithm, marking speed greatly improved. All-in-one compact structure, can be integrated onto conveyor lines or pouch packaging machine. Permanent and high contrast printing to ensure products can be tracking, anti-counterfeiting and anti-channelization.

High Stability

- Brand-new intelligent control algorithm, ensures high quality printing;
- Anti-electromagnetic interference design, 24 hours of continuous operation.

Easy Integration

- Compact size, easy integration onto various packaging lines, and suitable for narrow installation space;
- Friendly user interface, more convenient operation.

High Efficiency

- Up to 1200 CPS;
- Can print almost all fonts, barcodes, QR codes, images and graphics;
- Widely used in films, cardboard, paper box, glass, PET bottles, etc.

Cost Effective

- MTBF up to 50,000 hours;
- No consumables to save operation costs;
- Permanent identification to protect brand and make products traceable.



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Technical Parameter

Model		DLC130 (30w 10.6um)	DLC160 (60w 10.6um)
Application		Paper Carton; Glass, PET Bottles, Soft-packaging, etc.	
Scan Mode		X & Y axials simultaneous scan	
Marking Mode	Flying Mark	200 m/min	300 m/min
	Static Mark	Multiple products can be marked simultaneously	
Marking Laser	Type	CO ₂ Laser	
	Wavelength	10.6 μm (Default), 9.3 μm, 10.2 μm optional.	
	Output	30 W	60 W
Guide Laser		Red light positioning	
Marking Area/Focal Distance (mm)		70*70, 90*90/130, 110*110/150, 140*140/200, 175*175/250, 210*210/300, 250*250/355, 300*300/435, etc.	
Scan Speed		4000 mm/s, 12000 mm/s optional.	
Software Controller		Linux system, 10-inch touch screen	
Character Type	Fonts	Single/Double font, Dot-matrix font	
	Bar Code	Code39/Code25/EAN-13/Code128, etc.	
	QR Code	PDF147/QRCODE/DATAMATRIX	
	Graphic	DXF/PLT format vector image input/output	
Marking Condition	Marking Status	Operation, Ready, Error status	
	Character Size	0.8 mm-Max Marking Area	
Input/Output		Two-way input/Three-way Output, can be customized.	
Connection		SD card/USB 2.0/Communication interface	
Installation Direction		Arbitrary direction	
Cooling		Air cooling	
Power & Temp.	Power Supply	110/220 V AC, 50-60 Hz	
	Power	500 W	1000 W
	Temp.	5-40 °C	
	Humidity	10%-90% (non-condensing)	
IP Rate		IP54, IP65 optional	
Dimension (mm)		Laser body: 716×176×177; Controller: 305×207×56;	Control box: 279×115×336; Laser body: 877x180x136; Controller: 305x207x56;



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Details



(DLC150i/160 Appearance)



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