

Firebrand

Compact CO₂ Laser Marker



DeBe Lasers' Firebrand uses the latest CO₂ laser technology; Firebrand delivers the wavelength you need, allowing for fast processing times on a range of applications, including paper and card, glass, wood, PVC and PET.

Firebrand is designed to be a compact laser marker, enabling easy integration and maintenance free operation, for long term,

reliable performance within industrial environments.

Firebrand is easily programmed through a simple USB connection to a computer. Other features, including dedicated I/O, axis control, marking On-The-Fly, Through-The-Lens (TTL) vision, and bespoke customer interfaces.

Features

- 10 to 100W models available
- Excellent beam quality
- Exceptional reliability
- Air cooled maintenance free
- Plug & Play / easy integration
- Comprehensive 2-year warranty

Laser Specification

Wavelength	10.6µm
Power	30 to 100W
Operating mode	CW modulated
Modulation frequency	Up to 20kHz
Power requirement	Up to 1.5 kVA
Cooling	Air

Marking Area Parameters

Lens focal length mm	Max marking Area mm	Working Distance mm	Approximate Spot size µm
100	60 x 60	72	125
150	100 x 100	125	200
250	165 x 165	229	320
300	200 x 200	275	375
500	280 x 280	473	625
Max. marking speed	5000 mm.s ⁻¹		

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