

DBS 3

Desktop Laser Marking System



DeBe Lasers' DBS 3 Class 1 (eye-safe) workstation integrates the latest fibre laser technology with a programmable Z axis, focus finder, rotary ready, auto start and a metric tooling plate.

It can be fitted with a range of options which combine to make this one of the most affordable systems on the market.

Features

- 10 to 100W models available
- Air cooled maintenance free
- Plug & Play / easy integration
- Ideal for marking metal and plastic
- Metric work table
- Comprehensive 3-year warranty

DBS 3 is designed to be a compact ergonomic workstation, ideal for small to medium part sizes, enabling easy integration into your work place and maintenance free operation, for long term, reliable performance within industrial environments.

DBS 3 is easily programmed through a simple USB connection to a computer.

Laser Specification

Wavelength	1060nm – 1080nm
Power	1–100W
Beam quality M ²	1.5 standard (1.2 & 3 options)
Peak power	Up to 10kW
Energy	0.8, 1.0 & 1.2mJ models
Pulse duration	CW or Pulsed, 3-500ns
Pulse frequency	CW, 0 to 1000kHz
Power requirement	0.3 kVA
Cooling	Air

Marking Area Parameters

Lens focal length mm	Max marking Area mm	Working Distance mm	Approximate Spot size μ m
100	60 x 60	106	30
160	100 x 100	184	60
254	165 x 165	323	90
350	200 x 200	432	110
410	280 x 280	512	130
Max. marking speed	>10000 mm.s ⁻¹		

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