

DBS 3+

Large Format 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, Class 4 mode option and a metric tooling plate, make this one of the most flexible systems on the market

DBS 3+ is ideal for a range of larger part sizes. Its flexible design means it easily integrates into your work place and coupled with maintenance free operation, it offers long term, reliable performance within industrial environments.

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

Features

- 10 to 100W models available
- Air cooled maintenance free
- Plug & Play / easy integration
- Ideal for marking metal and plastic
- Large twin access doors
- Manual or motorised part loading door
- Metric work table
- Comprehensive 3-year warranty

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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