

Nagitta

Compact DPSS Laser Marker



DeBe Lasers' Nagitta is a compact Q-switched laser using the latest DPSS laser technology, delivering industry leading peak power and excellent beam quality, allowing for fast processing times on a range of industrial applications.

Nagitta is compatible with DeBe's marking system, enabling easy integration and

maintenance free operation, for long term, reliable performance within industrial environments.

Nagitta 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

- High peak power with short pulse width
- Excellent beam quality
- Air cooled maintenance free
- Plug & Play / easy integration
- Ideal for marking metal and plastic
- Comprehensive 2-year warranty

Laser Specification

Wavelength	1064nm
Power	3–10W
Beam quality M ²	TEM ₀₀ (M ² <1.1)
Peak power	Up to 20kW
Energy	Up to 0.4mJ
Pulse duration	Pulsed 20ns/CW
Pulse frequency	CW, 0 to 100kHz
Power requirement	0.3 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	106	20
160	100 x 100	184	30
254	165 x 165	323	50
350	200 x 200	432	70
410	280 x 280	512	85
Max. marking speed	>10000 mm.s ⁻¹		

DeBe Lasers Ltd, Appley Court, Appley Wood Corner,
Haynes, Bedfordshire. MK45 3QQ. UK.
+44 (0) 1234 381107
sales@debe.co.uk
www.debe.co.uk

