



G Series

Dual Beam Laser Micro-machining System



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Very versatile advanced R&D and production system

Independent dual beamlines

Wide range of laser/wavelength combinations

Granite frame for excellent process stability

Powerful, user friendly, Cimita software



Applications

- Micro-hole drilling
- Fine cutting
- Micro-milling
- Ablation
- Engraving and Marking

Features

- Access to dual wavelengths
- Dual Beam Line system
- Turn-key
- Class 1 laser safe
- Granite Construction
- Vibration Isolated
- Solid state laser
- Single screen software control
- Advanced CNC controller
- Linear motor, linear encoder XY stages
- 300 x 300mm travel XY
- Motorised Z axis 50mm travel
- On-axis vision system with cross hair
- Motorised optical attenuator

Options

- Up to 500mm travel XY
- Air-bearing XY
- 2D and 2.5D CAD/CAM
- Trepanning Systems
- Taper Control Systems
- Galvo scanner
- Auto-focus
- Auto-alignment
- High resolution off-axis camera
- Height/depth sensor options
- 4th and 5th axes (rotation)
- Vacuum and mechanical chuck options
- Fume extraction system

Laser Wavelength Options

- 1064nm and 532nm
- 1064nm and 355nm
- 532nm and 355nm
- 532nm and 266nm
- 355nm and 266nm

Dimensions

- 3100(W) x 1560(D) x 2050(H) mm
- Integrated workstation, support frame and electrical system (3150kg)
- Single phase electrical installation

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