



30kV X75

100µm 000426

E Series

Advanced R&D Laser Micro-machining System



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Advanced R&D Laser Micro-machining System

Highly capable system for all R&D work

Very stable granite frame with vibration isolation

Wide range of lasers

Easily configured with a large number of options

Powerful, user friendly Cimita software



Applications

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

Features

- 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
- 150 x 150mm travel XY
- Motorised Z axis 50mm travel
- On-axis vision system with cross-hair
- Integrated in-chuck power meter
- Industrial PC
- Motorized optical attenuator

Options

- Up to 450mm travel XY
- Up to 150mm travel Z
- Air-bearing XY
- 2D and 2.5D CAD/CAM
- Trepanning Systems
- Taper Control Systems
- Galvo scanner
- 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
- 532nm
- 355nm
- 266nm

Dimensions

- 2800(W) x 1560(D) x 2050(H) mm
- Integrated workstation, support frame and electrical system (2300kg)
- Single phase electrical installation

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