J Series
Ultra-fast Laser Micro-machining System
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For use with the latest ultra short pulse lasers
Option of multiple wavelengths on a single system
Practical R&D or leading edge production
Granite frame for process stability
Easily configured with a large number of options
Powerful, user friendly, Cimita software

Applications
∙ Materials Processing
∙ Thin Film Scribing
∙ Microelectronics
∙ Optoelectronics

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
∙ 150x150mm 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 CADCAM
∙ Trepnaning 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
∙ Multiple wavelengths on the same system
∙ Fume extraction system

Laser Wavelength Options
∙ IR
∙ Visible
∙ UV

Pulse Duration Options
∙ Pico second and Femto second available

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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