

NEVIS

NEVIS LASER CUTTING SYSTEM

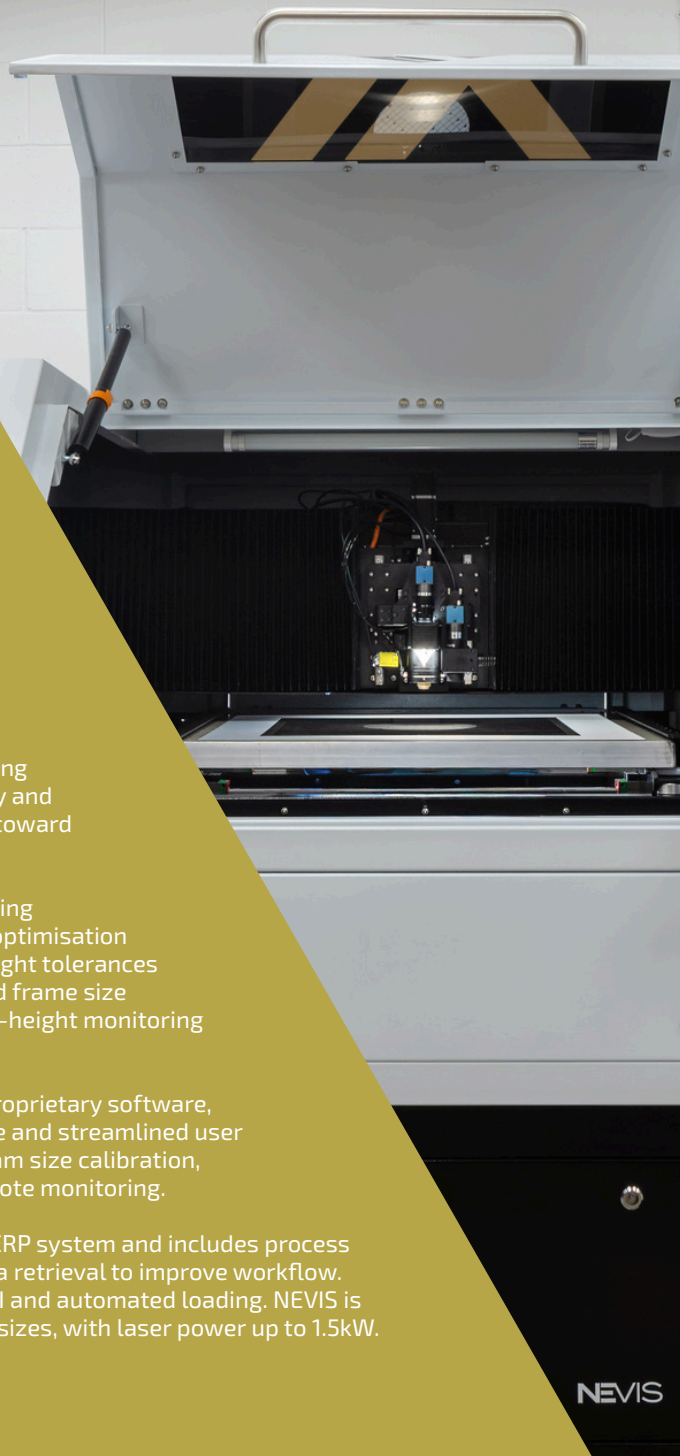
NEVIS IS A HIGH-PRECISION LASER CUTTING SOLUTION FOR ULTRA-THIN MATERIAL PROCESSING.

NEVIS introduces a new way of controlling the laser cut process to maintain quality and increase throughput, as demand shifts toward smaller and denser features.

The integration of proven industry-leading components and Watt Laser's process optimisation produces a system capable of holding tight tolerances at extreme speed. It includes automated frame size fixturing for flexibility and continuous Z-height monitoring for active control.

The system operates on Watt Laser's proprietary software, designed with an intuitive user interface and streamlined user experience. This includes automatic beam size calibration, programmed laser parameters and remote monitoring.

NEVIS can be integrated into any MRP/ERP system and includes process automation such as QR code-based data retrieval to improve workflow. Additional options include advanced AOI and automated loading. NEVIS is available in standard and large-format sizes, with laser power up to 1.5kW.



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Laser Power	100 - 200W
Laser Wavelength	1064nm
Laser Beam Quality	M ² <1.1
Focused Laser Beam Diameter	16µm (±3µm)
Working Area	650 x 650mm
Max Frame Size	800 x 1000mm
Positional Resolution	±0.1µm
Repeated Positioning Accuracy	±2µm
Z-Axis	Closed Loop Servo Control
Auxiliary Cutting Gas	Oxygen, Compressed Air, Nitrogen
File Format	Gerber, LMD, DXF