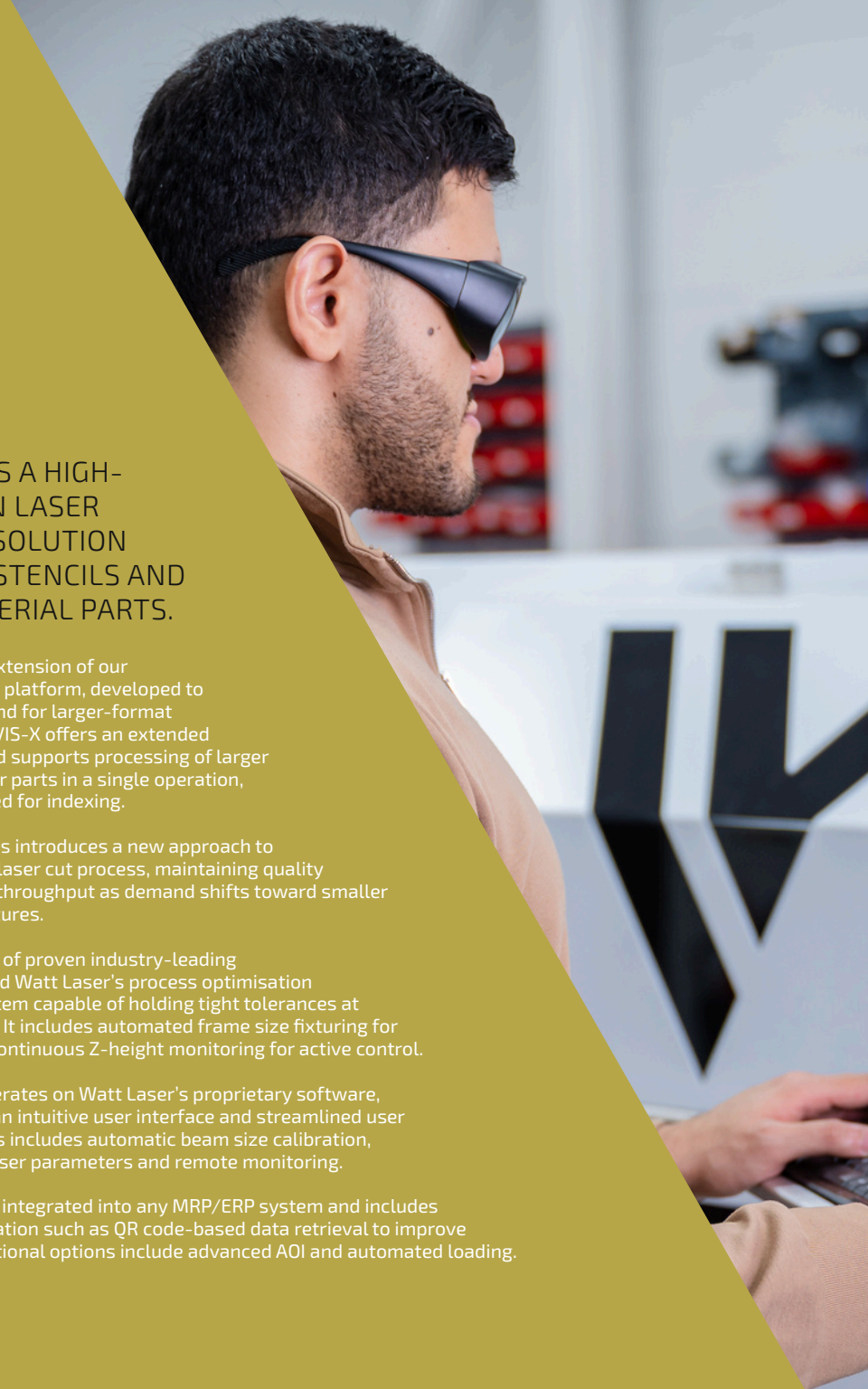
NEVIS-X EXTENDED LASER CUTTING SYSTEM



NEVIS-X IS A HIGH-PRECISION LASER CUTTING SOLUTION FOR SMT STENCILS AND THIN MATERIAL PARTS.

NEVIS-X is an extension of our standard NEVIS platform, developed to meet the demand for larger-format processing. NEVIS-X offers an extended cutting area and supports processing of larger stencils or other parts in a single operation, without the need for indexing.

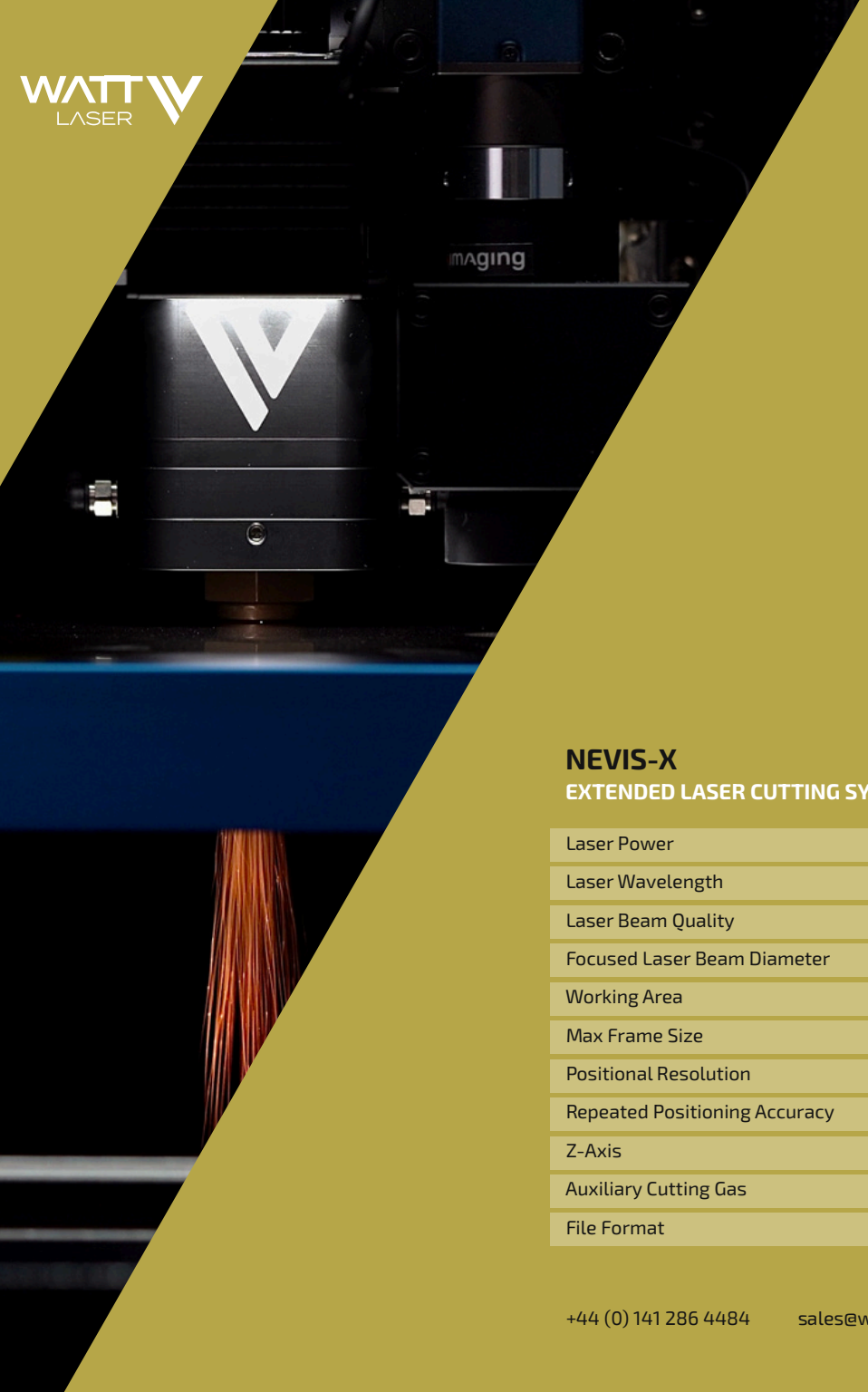
The NEVIS series introduces a new approach to controlling the laser cut process, maintaining quality and increasing throughput as demand shifts toward smaller and denser features.

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-X 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.

WATT LASER



NEVIS-X

EXTENDED LASER CUTTING SYSTEM

Laser Power	100 - 200W
Laser Wavelength	1064nm
Laser Beam Quality	M^2<1.1
Focused Laser Beam Diameter	18µm (±3µm)
Working Area	650 x 1200mm
Max Frame Size	900 x 1500mm
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

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