

EPIC Online Technology Meeting on Laser Micromachining

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Oxford Lasers Group: Who we are



Laser Micromachining Solutions Provider

- Privately-owned SME, spinout Oxford University (1977)
- Industrial Laser Micromachining & High-Speed Imaging
- Advanced Laser Technology Products & Services
- 65 employees (>30% PhD level)
- Locations: **Didcot**, Oxfordshire, UK & **Boston**, MA, USA
- Installed >1000 lasers & systems in 27 countries
- **Key markets:** Semicon, Microelectronics, Automotive, Aerospace, Pharma/Biomedical, Micro-Engineering, Agrochemical, Academic/Research RTOs
- Growth via continuous innovation



“What can you do for them? ”



1. Laser micromachining solutions provider
 - a) Feasibility/proof-of-concept trials
 - b) Low/mid volume part production
 - c) Customised laser micromachining systems
2. Can laser process (virtually) any material
3. Oxford Lasers, partner for collaborative development (EU, UK, transnational)

Oxford Lasers: What we do



Laser Micromachining Systems & Services for

- MicroDrilling
- MicroCutting
- MicroMilling
- Thin-film Patterning
- MicroWelding
- Surface Texturing

Oxford Lasers Micromachining Products



A SERIES

Compact Laser Micromachining Tool



C SERIES

Production Laser Micromachining Tool



E SERIES

Research Laser Micromachining System



G SERIES

Dual Laser Micromachining Tool System



J SERIES

High Power/ Multiwavelength Laser Micromachining System



PROBEDRILL

Vertical Guide Plate Production Tool



SAMPLEPREP

Sample Preparation Tool



Z SERIES

Bespoke Laser Micromachining Tool and Automation



“What can they do for you?”



1. New DPSS Lasers (better dynamic performance, deep UV lasers, lower cost)
2. Tailored beam delivery (spatial/temporal shaping, precession)
3. High laser power utilisation for laser micromachining
4. AI in laser micromachining
5. Marcomms (market research/intelligence, promotion)
6. Skills/Knowledge
7. Global partners for collaborative development (EU, UK, transnational)

Further contact



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