

Oxford Instruments Plasma Technology

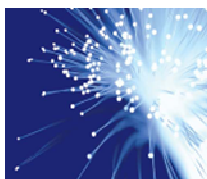
Company Profile

About Oxford Instruments Plasma Technology

Oxford Instruments Plasma Technology offers flexible, configurable process tools and leading-edge processes for the precise, controllable and repeatable engineering of micro- and nano-structures. Our systems provide process solutions for nanometre layer epitaxial growth of compound semiconductor material, etching of nanometre sized features and the controlled growth of nanostructures. These solutions are based on core technologies in plasma-enhanced deposition and etch, ion-beam deposition and etch, atomic layer deposition and hydride vapour phase epitaxy. Products range from compact stand-alone systems for R&D, through batch tools and up to clustered cassette-to-cassette platforms for high-throughput production processing.

Markets:

- Display and Lighting
- Semiconductor Electronics
- Energy
- Information and Communication Technology
- Niche and Emerging markets



Technologies:

- **Plasma Etch and Deposition**
Plasma product family capable of ICP, RIE, PECVD, ICP-CVD and sputtering in a wide range of etch and deposition processes.
- **Atomic Layer Deposition (ALD)**
Versatile product family of ALD systems offering both thermal and plasma atomic layer deposition
- **Ion Beam Etch and Deposition**
Ionfab[®] product family offering a versatile etch and deposition platform for a wide range of materials
- **Nanoscale Growth Systems**
High performance growth of Nanowires and Nanotubes with in-situ catalyst activation and rigorous process control
- **Hydride Vapour Phase Epitaxy**
Tools and processes for the production of novel compound semiconductors such as GaN, AlN, AlGaIn, InN and InGaIn

Customer Support

Oxford Instruments Plasma Technology is committed to supporting our customers' success. We recognise that this requires world-class products, complemented by world-class service and support. Our global service team is backed by regional offices, offering rapid worldwide support.

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For worldwide offices please visit our website.

Website:

www.oxford-instruments.com

Plasma Technology Home Page:

www.oxford-instruments.com/businesses/plasma-technology/Pages/plasma-technology.aspx



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