



Fireside chat: Oxford Instruments Advanced Technologies

20 May 2026

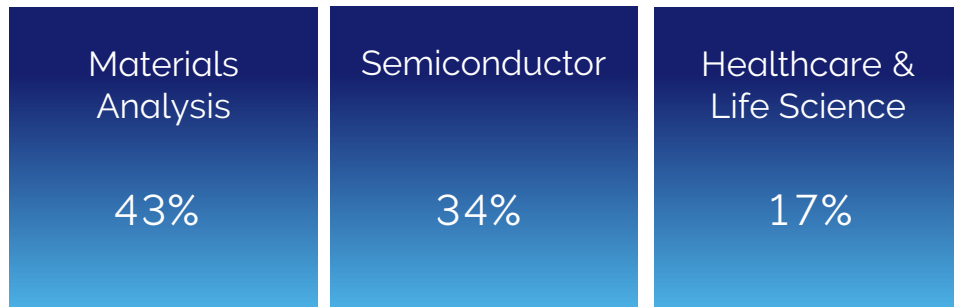
Richard Paige, Analyst, Deutsche Numis
Richard Tyson, CEO, Oxford Instruments plc
Matt Kelly, President, Advanced Technologies division

Oxford Instruments at a glance

£443.4m FY25 revenue*

17.9% FY25 adjusted operating profit margin*

Serving **three** core structural growth markets**



In two divisions



Imaging & Analysis

Microscopy, cameras, analytical instruments and software



Advanced Technologies

Compound semiconductor fabrication equipment and X-ray tubes

8 well-invested manufacturing sites in the UK, Europe and the US, including a brand-new purpose-built compound semiconductor facility at Severn Beach, near Bristol



c. 2,000 employees in **23** countries

20%+ employees PhD scientists or engineers

Structured in two divisions

Imaging & Analysis

Capabilities

Leading range of microscopy, scientific cameras, spectroscopy and associated analytical tools and software

24/25 pro-forma results and mid-term target

Revenue
£330.5m

Margin
22.4%*

Mid-term margin target
23-25%

Strategic priorities

Excellent business and good track record

- Share best practice across businesses and regions
- Standardise processes
- Improve operating efficiency
- Increase exposure to commercial markets

Advanced Technologies

Compound semiconductor fabrication equipment; X-ray consumables

Revenue
£112.9m

Margin
5.0%*

Mid-term margin target
10-12%

Focus business on critical actions

- Extract full growth and margin potential from compound semi market and new facility
- Increase exposure to commercial markets
- Improve operational performance and efficiency

Compound semiconductors: what's the difference?

The efficiency and flexibility of compound materials enables applications not possible with silicon

- Higher energy efficiency
- Higher power
- Wider temperature range
- Greater optoelectronic properties

Higher growth market with 10% - 20% CAGR



Indium phosphide & gallium arsenide

Increased optical fibre data bandwidth for next gen lasers and receivers



Gallium arsenide

3D sensing arrays and short-range fibre connections in datacentres



Gallium nitride

5G/6G base stations, power-efficient consumer electronics and micro-LED display



Silicon carbide

More efficient power conversion in electric vehicles & renewable energy

Plasma Technology: our strategic evolution

Origins: high-end pure research

- Founded in **1980** to address the high-end plasma physics research market
- Acquired by Oxford Instruments in **1990**
- **Broad compound capability** with no area of focus: focus on broad technology seed investments



1980-mid-2010s



Transition to serve academic and commercial markets

- **Establishes position** with **academic** and low volume manufacturing **commercial** customers
- **Global installed base reaches** more than **3,500 systems**

mid-2010s-early 2020s

Investment and strategic focus on volume manufacturing



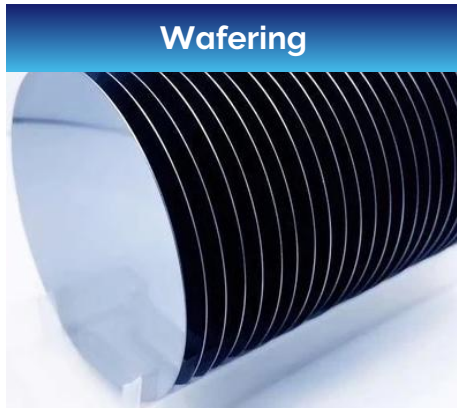
- **£70m+ investment** in world-class Severn Beach facility, opened in 2024
- Strategic focus on applications for **datacomms**, **augmented reality**, **uLED** and **power electronics** deploying indium phosphide, gallium nitride, gallium arsenide and silicon carbide
- **Pivot to high volume manufacturing** customers
- **Improved sales & service capability** inc 'white glove' offering for volume production

2024-2026 and beyond

Playing a critical part in the compound semiconductor value chain



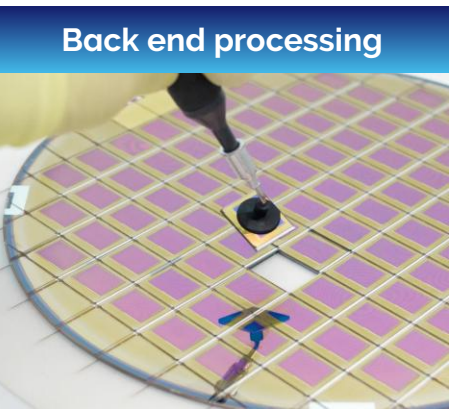
Boule growth



Wafering



Front end processing



Back end processing



Packaging

Boules are grown...

...then sliced into wafers

Layers are etched and deposited on the wafer using process gases. Plasma Technology operates in this part of the value chain

Wafers are diced into individual chips...

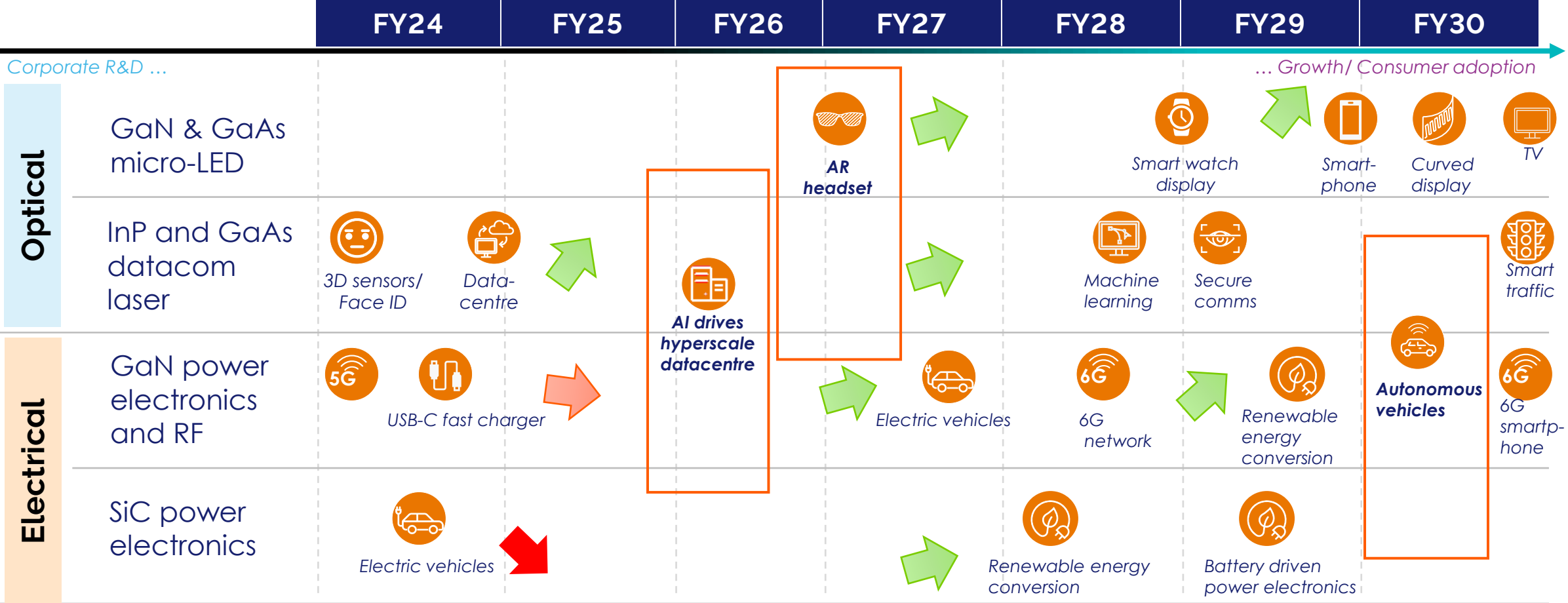
... and incorporated into the final packaged device

Broad range of processes in 'Front End' - Epi Growth, Etch, Deposition, ALD, Ion Beam. Players include:



Front end of line processing represents c. 65% of capital expenditure in compound semiconductor market

Increasing volume of applications for Compound Semiconductors




 Capex market inflections / significant changes

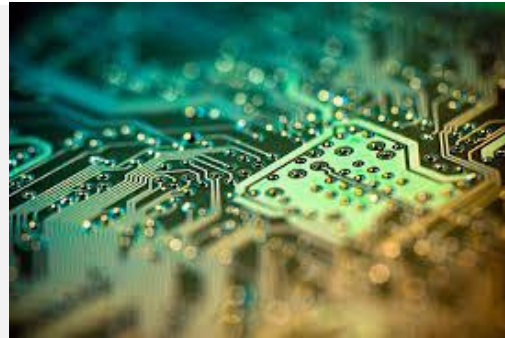
Focus in an expanding landscape of compound semiconductor applications



Current lifecycle stage:
Production ramp

Laser transceivers

- Fabrication of datacom lasers using InP, GaAs
- Etch and deposition applications
- Driven by data centre scaling to support AI



Current lifecycle stage:
Placement systems

Gallium nitride (GaN) power

- Fabrication of power devices
- High efficiency, low thermal load
- Automotive on-board chargers (OBC), consumer devices & AI servers

Micro LED (uLED)

- Fabrication of uLED
- Etch and atomic layer deposition to improve sidewall quality and maximise quantum efficiency
- High brightness display applications – augmented reality glasses



Current lifecycle stage:
Corporate research

The compound semiconductor ecosystem

#1 supplier to major semiconductor universities

Increasing installed base for next generation compound semi production applications

Enabling semiconductor manufacturing yields and cost reductions to support scaling

Academic R&D:
40% Plasma Technology revenue

Corporate R&D:
10% Plasma Technology revenue

Compound semiconductor production:
50% Plasma Technology revenue



Note: Graphic does not necessarily represent OI customers.

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Thank you

