

# Company Profile

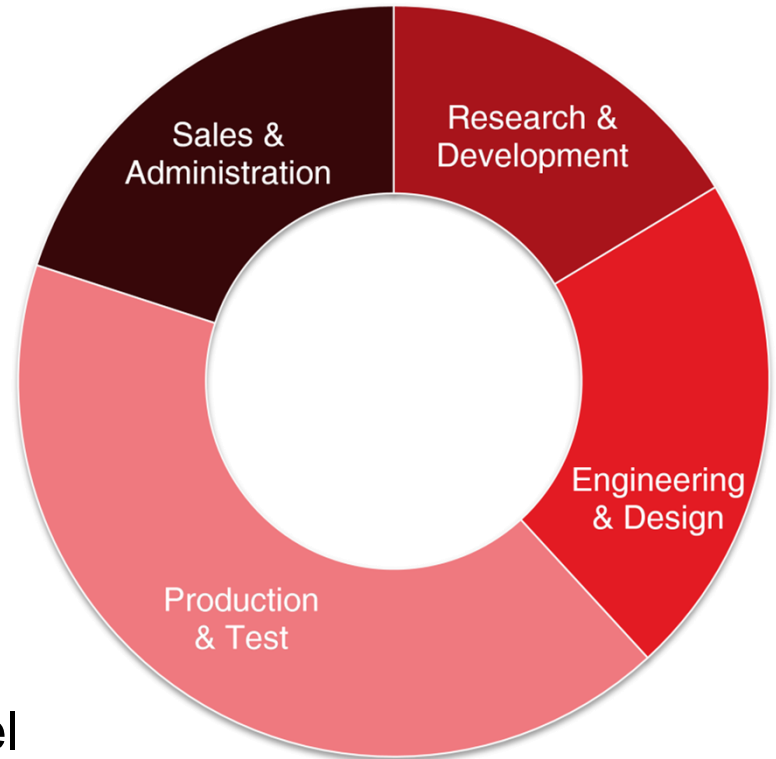
## Company Profile

- Specialist manufacturers of detectors and camera systems
  - Image Intensifiers
  - PMTs
  - Streak Tubes
  - Camera Systems
  - Spectrometer Systems
  - Associated Electronics
- Located in St Leonards-on-Sea – South East England
- Established September 1991
- ISO9001:2008 certified



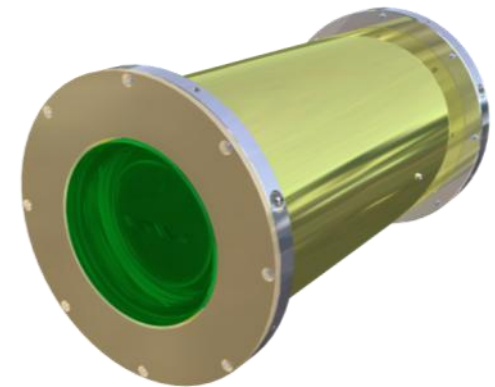
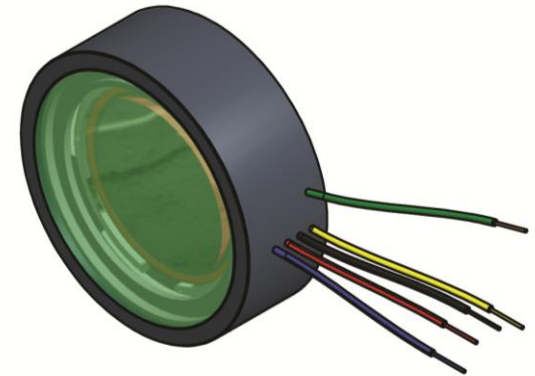
## Company Profile

- 55 Employees
  - 9 Research & Development
  - 12 Engineering & Design
  - 23 Production & Test
  - 11 Sales & Administration
- 6 employees educated to PhD level
- Further 10+ employees educated to degree level



## Detector Products

- Gen II MCP Image Intensifier
- Ultrafast MCP Photomultipliers
- Image Photon Detectors
- Streak Tubes
- Magnetic Focus Image Intensifiers
- Demagnifying Gen I Image Intensifiers
- Ultrahigh Vacuum Detectors



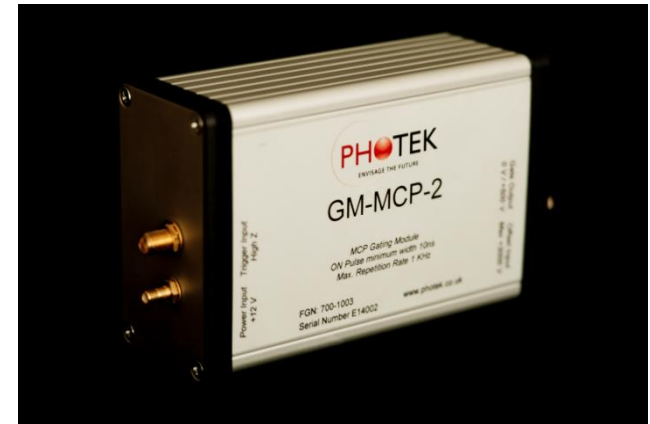
## Camera Products

- Photon Counting
- Particle Imaging
- EMCCD
- Intensified CCD
- Nanosecond Gated ICCD
- X-ray



## Electronic Products

- High Voltage Power Supplies
- Photocathode Gating Control to 3 ns
- MCP Gating Control to 8 ns
- High Resolution TDC
- Laser Pulse Generator
- Preamplifier
- Peltier Controlled Cooling Systems
- Dark Box



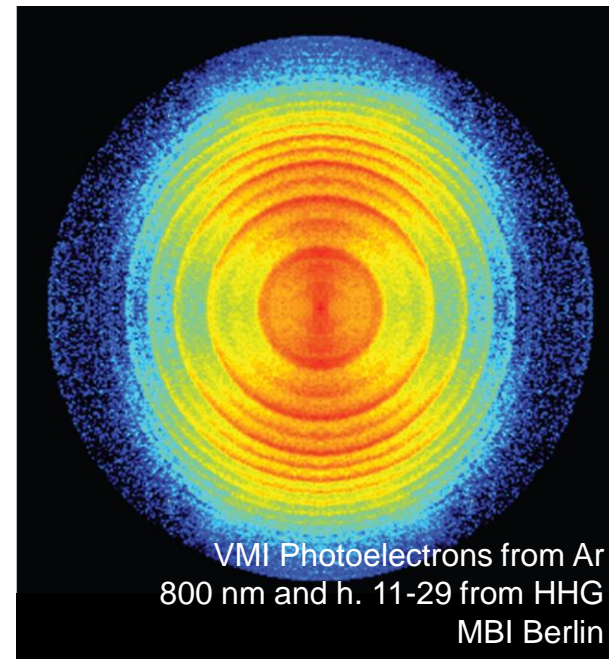
# Spectrometer Instrumentation

- Velocity Map Imaging Spectrometers
- VMI Ion Optics
- Vacuum Imaging Detector
- Camera System
- Pulsed Valve
- Vacuum Chamber and Pumps
- Associated Electronics



# Spectrometer Instrumentation

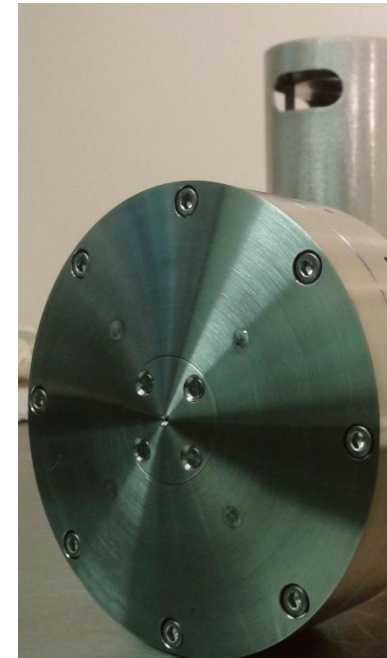
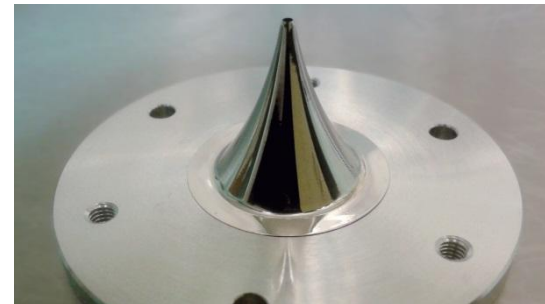
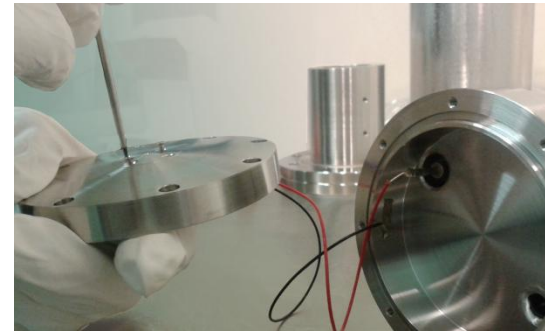
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# Applications

- Threat detection systems
- Silicon wafer inspection
- Attosecond science
- Physical chemistry
- Material science
- Nuclear, particle & high energy physics research
- Astronomy including orbital space science experiments
- Ultra-high speed cameras
- Life-science & biological research
- Security

## Track Record

- CERN
- AWE
- LANL
- LLNL
- Caltech
- CEA
- Fermilab
- Rochester LLE
- MBI Berlin
- Rutherford Appleton Labs
- Imperial College London
- University of Oxford
- University of Cambridge
- University of Bristol
- ESA
- NASA

## Facilities

- 1,500 m<sup>2</sup> factory space
- Class 100 assembly area
- Two class 10,000 clean rooms
- Electro-mechanical vibration table
- Ultra-high vacuum processing equipment
- 50 ps laser pulsing equipment
- Wet and dry hydrogen stoving capability
- Inventor 3D CAD software
- Simion & Masim3D ion optics modelling software



## Facilities – Continued

- Protel Electronic Design Software
- Agilent 18 GHz sampling scope
- LeCroy 6 GHz digital scope
- Spectrometer
- Photometer
- Optical table and dark room facilities
- Environmental test chamber including shock & thermal testing
- Phosphor screen production and inspection
- Optical coating plant



# Thank you for listening

**Photek Limited**

26 Castleham Road, St Leonards on Sea, East Sussex, TN38 9NS, UK

**T** +44 (0)1424 850555

**F** +44 (0)1424 850051

**E** sales@photek.co.uk

**W** www.photek.com