

After Sales Service

Quality and continuous improvement is at the heart of everything we do at Photonic Science to ensure we deliver on-spec cameras and systems, every time.

Photonic Science is an ISO9001:2015 qualified company and as standard we provide a 12 month warranty on all our products, with warranty extensions available on request.

Photonic Science also provide after sales support for the lifetime of our products and we can provide repairs for all Photonic Science cameras and systems.



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LAUE Solutions 20190700 DB Iss1



BLAUE Solutions 20190700 DB Iss1



Laue Single Crystal Orientation System

Compact | Motorised | Real-time | Accurate



Industrial & Scientific Configurations

Crystal Orientation System

Photonic Science back reflection Laue system allows real-time crystal orientation down to 0.1 degrees accuracy.

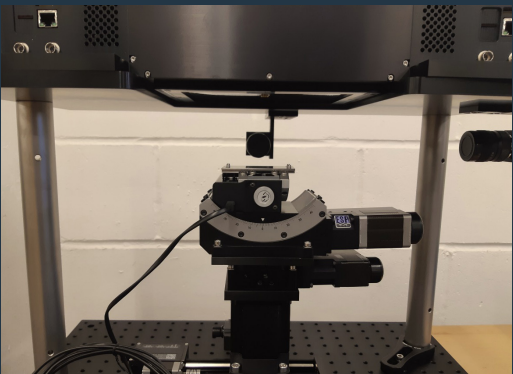
With PSEL software mis-orientation measurement down to 0.05 degrees.

Two dimensional orientation mapping of polycrystalline silicon wafers.

High-throughput sample screening & heavy duty sample orientation up to 20Kg for production environments.



Horizontal Laue system



Vertical Laue system

Photonic Science CCD back reflection Laue X-ray Detector:

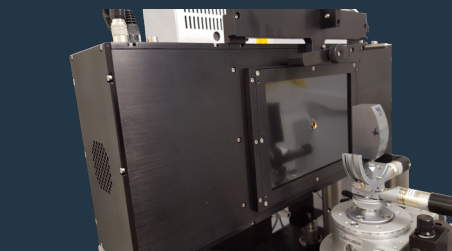
Features

Active input area of approx. 155 (h) x 105 (v) mm (approx.)imaged on the sensor

Minimum input pixel size of 83µ square, 1,867 x 1,265 pixels

Selectable exposure from 1ms to minutes

Pixel addition all owing



increased sensitivity at the expense of resolution

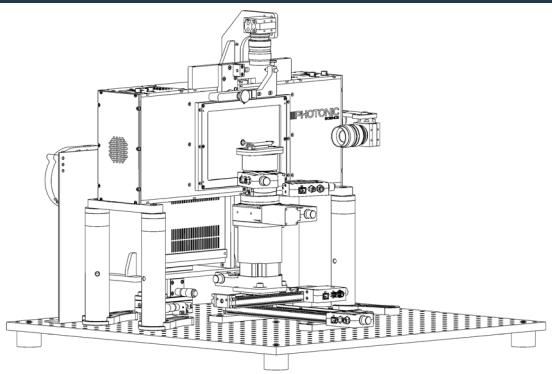
Automatic background subtraction mode

16-bit high precision acquisition mode

12-bit fast preview mode

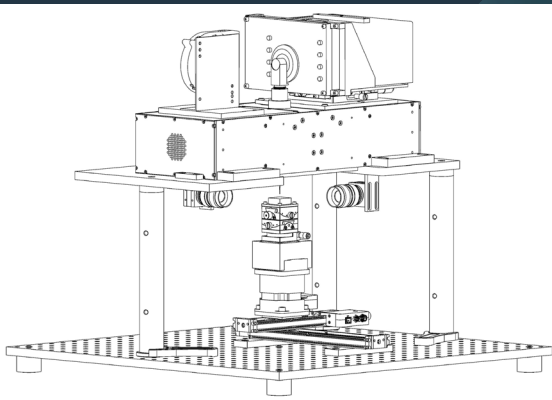
Models

Horizontal



Features	Benefits
<200µm beamsize	For small crystals
Mototised stages	Allows scanning along the growth axis
Motorised gonios	Direct compatibility with synchrotron /Neutron facilities set up
Manual gonios	Direct compatibility with cutting tools

Vertical



Features	Benefits
<200µm beamsize	Works with small grain polycrystalline structures
Large scanning linear stages	Allows automatic wafer or multiple sample mapping
Motorised Z stage	Allows compatibility with large rod / samples
Manual gonio	Allows seed orientation down to +/- 0.02 degree accuracy

Accesories

- | Laue X-ray Detector
- | Laue alignment software
- | High brilliance X-ray generator
- | Motorised/Manual goniometer & high precision stages
- | Video sample positioning/viewing camera
- | Laser distance sensor /joystick