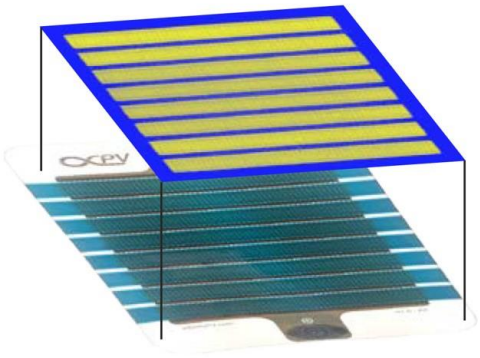
Professional LBIC



infinityPV laser beam induced current (LBIC) systems enable fast high, resolution mapping of the photovoltaic response of solar cells over very large areas from single cells to modules. It is the ideal tool for the measurement of photovoltaic active areas, identification of defects, shunts, inactive regions and coating errors. Ultrafast laser scanning enables device testing in seconds over large area, compared to hours in ordinary XY-stage system.

The low-noise system is immune to external light input and available in single wavelength or multiwavelenth configurations for testing different photovoltaic responses. Roll-to-roll (R2R) compatability and a contactless electrode configuration is optional and allows inline process control.

Key highlights:

The Professional LBIC is unique on several fronts:

- Two configurations: Basic and Advanced
- Laser based solar PV response mapping
  - 3rd gen solar cells (organic, polymer, perovskite, DSSC)
  - Flexible solar cells (concave, convex surfaces)
  - Silicon solar cells, CdTe, CIGS
- Ideal for quality control & identification of
  - Defects and shunts
  - Active area (e.g. for efficiency calculation)
  - Poor or inactive regions
- Large area PV mapping in seconds
- High resolution scan (enhanced details)
- 400 – 1100 nm laser wavelength
- Mapping resolution <100 µm (40 µm spot)
- 250 x 250 mm^2 testing area
- User friendly software
- Multi-wavelength (1-3)
- Light bias
- Electrical bias
- Turn-key system

Service and support:

We offer service using phone or skype on a 24/7 basis and we guarantee shipping of spare parts to Europe, US and RoW within 3 working days using DHL (islands and remote areas excluded).

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For further information don´t hesitate to contact us.

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