

INTERSOLAR 2010



Business Meetings at the Bayern Innovativ Joint Fair Stand

New Munich Trade Fair Centre
9 - 11 June 2010



Company Profile:

CONTACT DETAILS:	
Company:	Opto Sonderbedarf GmbH
Street:	Lochhamer Schlag 14
ZIP Code / City:	82166 Gräfelfing
Country:	Germany
Website:	www.opto.de www.solino.com
Responsible:	Marco Flachmann
Position :	Product Manager

COMPANY DESCRIPTION:
<p>(Please do not use more than 1000 characters)</p> <p><i>Opto develops and manufactures client driven optomechatronic Modules, Components and Systems in quantities ranging from one-off prototypes to full scale production. Our vision is to be a leading supplier of the most innovative vision solutions to the most demanding applications.</i></p> <p><i>For over 3 decades, we have established ourselves as a leading developer of innovative optical modules and systems to our diverse international customer base. Specialising in microscopy and machine vision, we take pride in developing market leading solutions for the most advanced inspection applications.</i></p> <p><i>Our standard solutions are concentrated under our sales channel "solino", offering special systems like our SectorInspector, which enables flexible, high resolution variable magnification inspection of microscopic features on large, planar samples such as photovoltaic, LCD & plasma panels.</i></p>

Collaboration Profile

TITLE
Optical inspection of large flat surfaces like solar panels

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WHAT WE OFFER:

(Please use between 200 and 800 characters)

We have developed and sold several optical inspection systems to check large samples like PV-Panels. Especially for this tasks we recently expanded its high resolution inspection to near infrared (900-1700 nm), allowing a fast macroscopic prescreening in conjunction with electroluminescence to address interesting areas microscopic afterwards. The aim is to deliver a consistent quality control in the manufacturing process of photovoltaic modules. Next to the large area microscopic measurement and analysis of thin film modules this allows now even the inspection of material defects, so called "micro cracks".

Using a motorized InGaAS camera unit and electroluminescence to activate the solar module, faulty cells can be identified without moving the solar module.

WHAT WE ARE LOOKING FOR:

(Please use between 200 and 800 characters)

Manufacturers of PV-Modules who need a solution to inspect their panels. We also provide our optical knowledge to create a solution exact to your needs.

THEMATIC FOCUS:

Optical inspection PV-Panels

COOPERATION INTEREST:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Technical cooperation | <input type="checkbox"/> Joint venture |
| <input checked="" type="checkbox"/> Engineering and construction services | <input type="checkbox"/> Purchase |
| <input checked="" type="checkbox"/> Manufacturing | <input type="checkbox"/> Sales and service partner |
| <input type="checkbox"/> License agreement | <input type="checkbox"/> EU research projects |
| <input type="checkbox"/> Private research | <input type="checkbox"/> Other (please specify): |

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