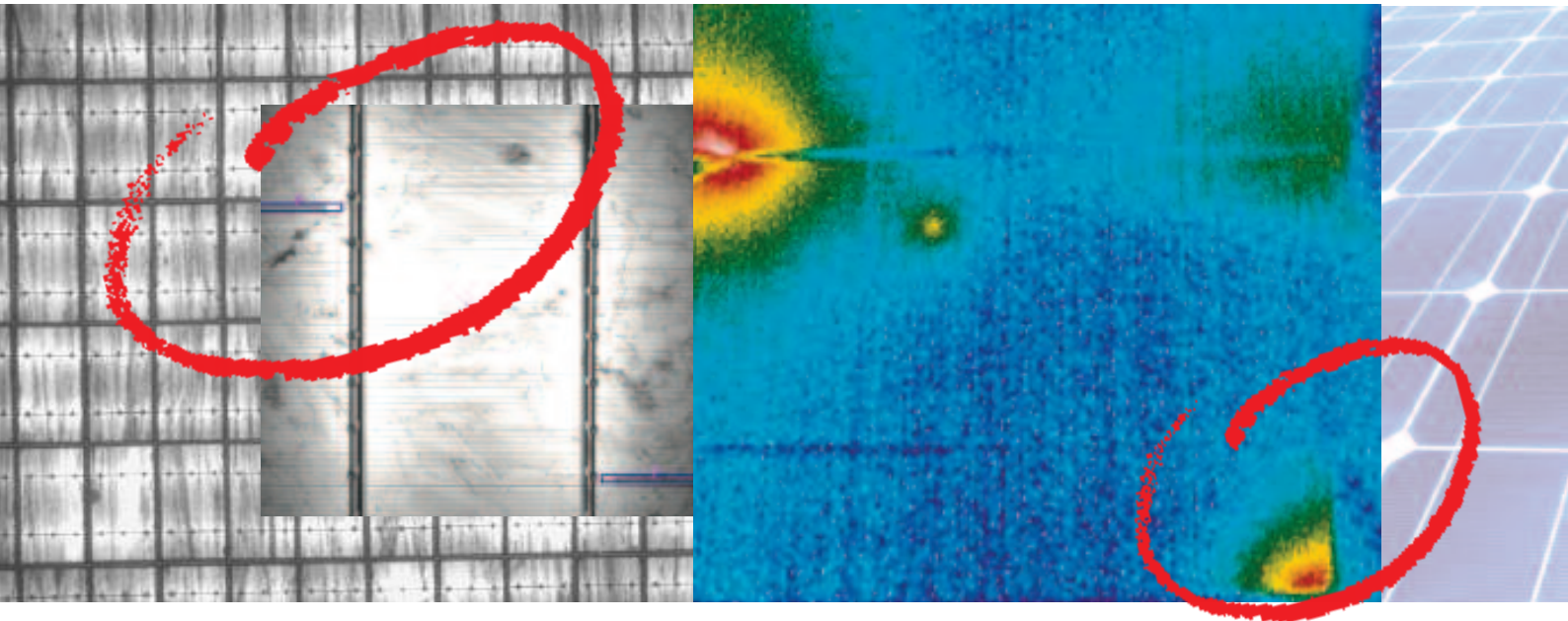


Product Info

SOLARSCAN-EL&Hotspot: Half the space - twice the results! Compact inspection for hot spots and electroluminescence



More clearly identify visually non-detectable defects: The best of two systems combined

Energy yield is an essential quality gauge of solar cells and modules: the higher the better. The nearly invisible, most well hidden defects in material and edge isolation can have a significant effect here. Considerable product risks are connected with the defects. Normally, two separate systems for shunt "Hot Spot" and electroluminescence inspection are implemented for the detection of defects. The result: Higher cell stress due to double contact, as well as higher space requirements for the provision of two stations. The solution: **SOLARSCAN-EL&Hotspot**, the combination of inspection characteristics in one device.

The implementation of **SOLARSCAN-EL&Hotspot** leads to a significant reduction of cell load. At the same time, inspection accuracy increases. Process optimization is carried out more quickly and the return on investment is achieved significantly earlier.

Applications:

- Automatic optical in-line inspection of cells for
 - Hot spots
 - Non-defective luminescence

Advantages:

- Minimization of cell stress by more than 50%
- Quicker "Return on Investment" (ROI)
- Reduction of the footprint by more than 50%
- Higher market value of controlled cells
- Avoidance of B quality and reclamations on the module level
- Reliable removal of cells with hot spots from the production process
- Improvement in product quality
- The easiest integration in production lines



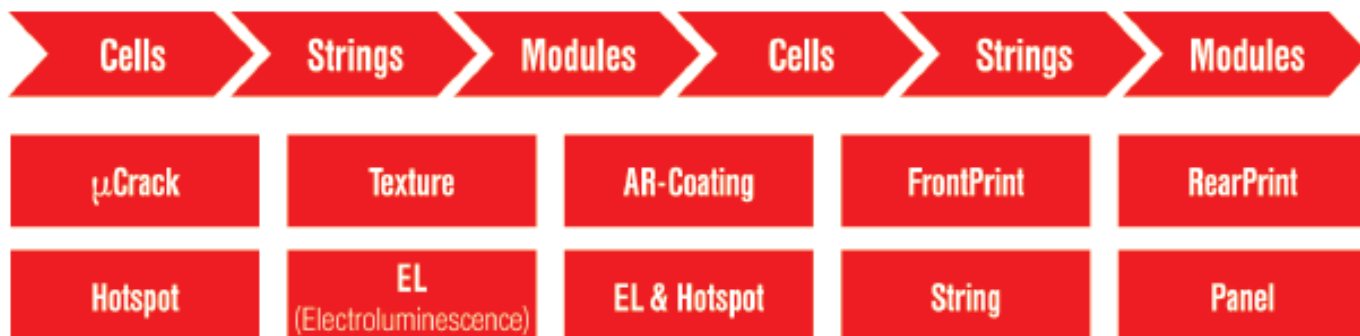
Superior detection, classification and analysis

All SOLARSCAN systems offer precision control of specific processes: Flexible configuration, easy to operate. Just a simple set-up is needed to deliver reliable classification in real-time – fast and extremely efficient. Central storage of all inspection results offers a sustainable basis for process improvements. Increased transparency and process knowledge enable shorter ramp-ups and higher productivity. Advanced technology for silicon solar quality improvement. Just discover the details – favourably in reality.

General features

- Advanced, intelligent and configurable classification
- Calibrated inspection equipment
- Central management server for recipes and results
- Flexible statistical tools for analysis and reporting
- Integrated self diagnostics
- Remote maintenance

SOLARSCAN: „Best Practice“ product line for the complete process chain



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