

Product Info

## **SOLARSCAN-RearPrint: Stop waste - Stop loss!** Improve quality, save on materials, optimize processes.



### **Rear print in focus: Resource saving, process improvement.**

One of the stages in the print process is the printing of the rear side. Here as well, flawless production and optical impression are in the foreground. Defects such as print offset, paste marks or even missing paste dare not occur. Here the optical standard inspection system **SOLARSCAN-RearPrint** can help.

The system is optimized for the inspection of the cell rear side screen print. Defects such as print offset, paste marks or missing paste are detected. Additionally, geometric deviation, damage, particle defects and bumps are checked. According to quality demands and tasks, the system is available with various options. Its implementation improves quality while simultaneously optimizing processes and reducing material input.

### **Applications:**

- In-line Inspection of the rear side after screen print, as well at cell sorting for
  - Quality improvement
  - Best optical impression
  - Optimization of production processes

### **Advantages:**

- Reduction of production costs, saving resources
- Performance increase and process optimization
- Robust, reliable detection of all relevant defects
- Early identification of serial defects and process deviations
- Modular concept
- Easy 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.

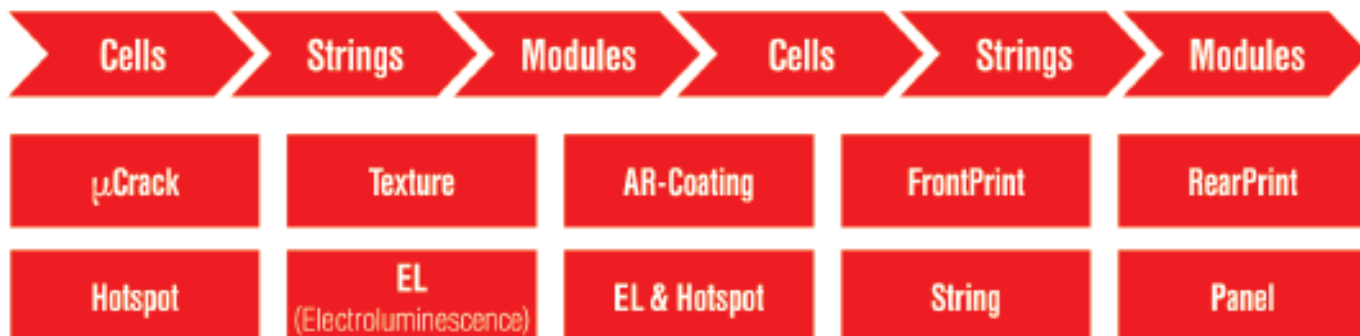
## General features

- 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

## Inspection features

- Screen print rear side:  
Print offset, deformation, missing paste, paste marks
- Geometry measurement:  
Measurement, bevels
- Damage:  
Contour defects, visible cracks, gaps, holes
- Particles:  
Debris

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



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