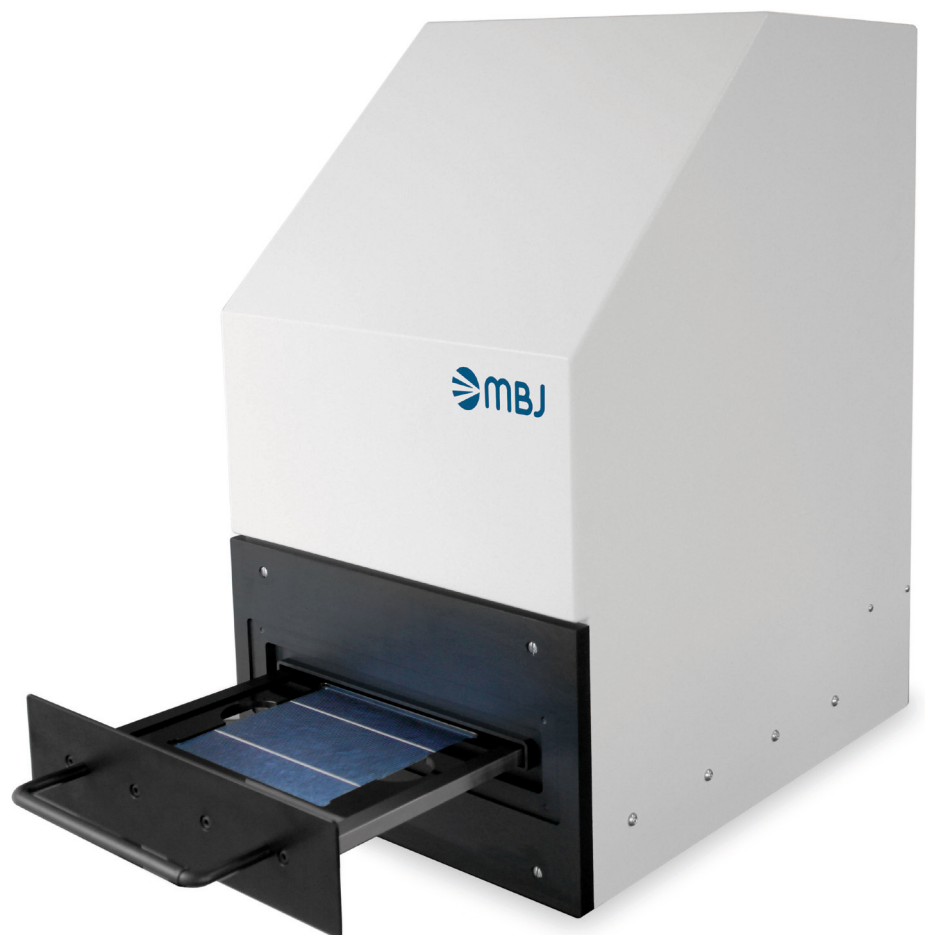
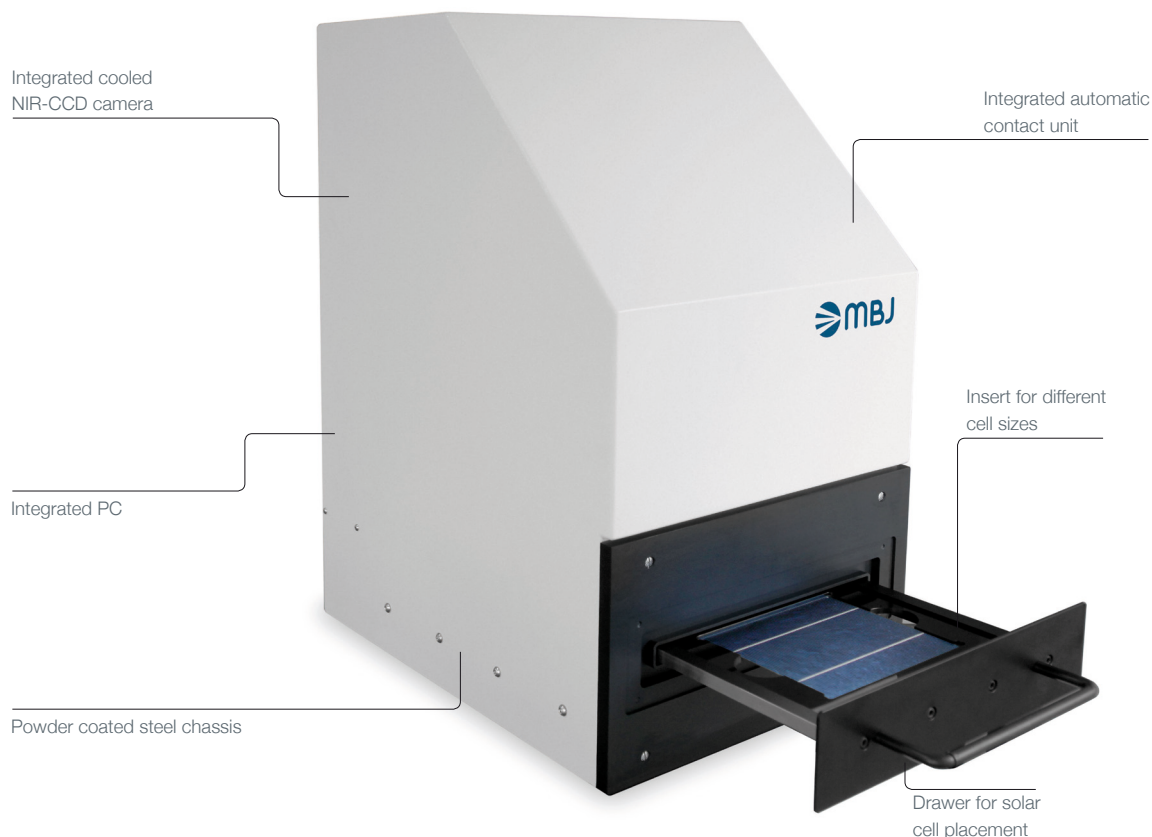


Electroluminescence Cell Inspection

Stand-alone high resolution inspection system for
electroluminescence imaging

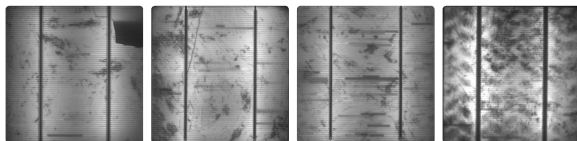


...see the hidden defects



Field of Application

The SolarCell EL-lab is a stand-alone electroluminescence imaging system. It is the perfect tool for laboratory and production environment to assure the quality of the solar cells. Electroluminescence imaging makes invisible defects clearly visible, such as micro cracks, finger interruptions and inactive areas. The system also supports reverse current measurement to identify short cuts in the solar cell that might cause hot spots in a solar module during operation.



Typical defects: inactive areas, micro cracks, finger defects, firing defects

Unique Concept

The unique design makes electroluminescence solar cell inspection simple: open the drawer, place the solar cell inside the drawer and close the drawer. The system automatically contacts the solar cell to apply power to the cell and acquires a high resolution electroluminescence image.

Customer Benefits

- Easy to use
- Cost effective
- Compact design

Resolution	170µm/pixel
Cell type	5", 6" (others on request)
Bus bars	2 or 3 busbars
Dimensions (WxHxL)	360mm x 675mm x 515mm
Camera	Cooled NIR-CCD camera



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