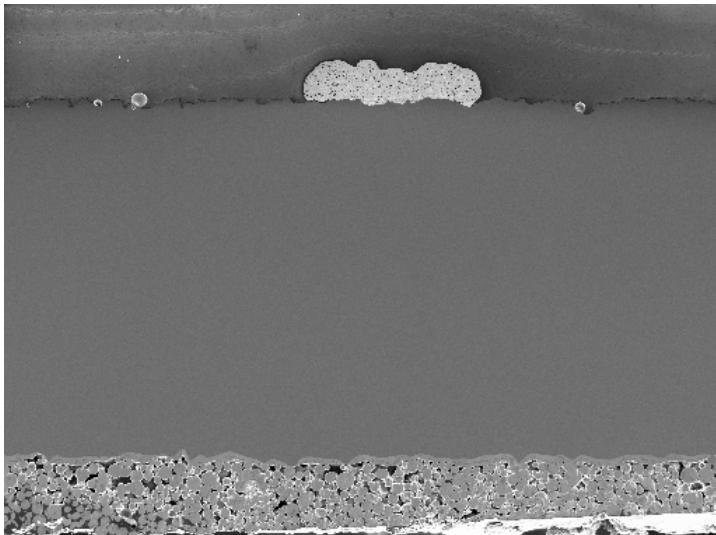
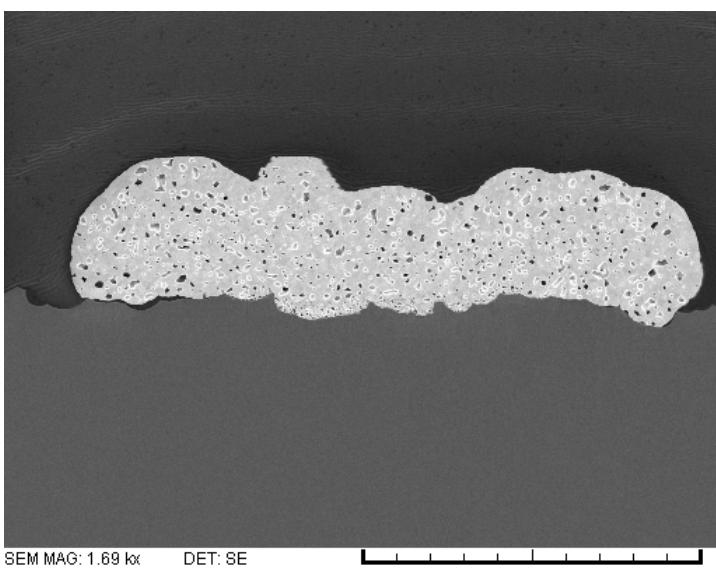


# LSN - Application Note



Cross section of the solar cell consisting of contact finger, cell and metal contact



## Leica EM TIC020 –

Cross Section of Solar Cells

### **Market: Solar energy companies, material research Institutes**

Companies (e.g.): ISC Freiburg, Sun Carrier, ASP, Fronius, Fotovoltaica, Oerlicon Solar, Philips, etc.

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# Leica EM TIC020 Application No. 1/6

## Cross Section of Solar Cells

### Goal:

- Cross section of a complete solar cell

### Process description (benchmark values for this particular sample):

Mechanical pre-preparation: Protection of the solar cell top

Parameter	Step 1
Acceleration voltage	7 kV
Gun current	2.6mA
Milling time	5 h
Cut depth	620 µm
Complete process time	6 h

### Results:

- Perfect cross section of the solar cell
- Information about the metal finger and its interface to the cell

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