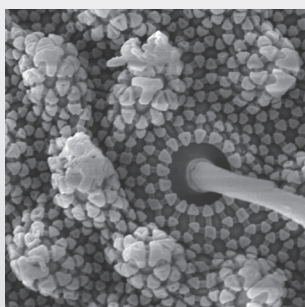
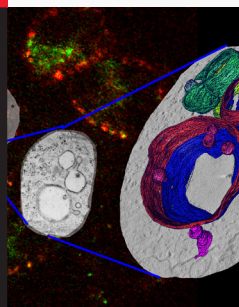


Living up to Life

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MICROSYSTEMS

Material
Research



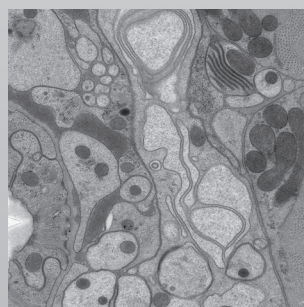
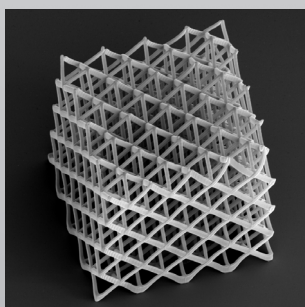
Life Science
Research

Application Note

Cross Section of Solar Cells

related instrument Leica EM TIC020, Leica EM TIC3X

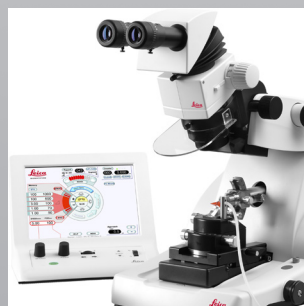
Medical
Research



Industrial
Manufacturing



Natural
Resources



Cross Section of Solar Cells

Market: Solar energy companies, material research Institutes

GOAL

Cross section of a complete solar cell.

Process description (benchmark values for this particular sample):

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

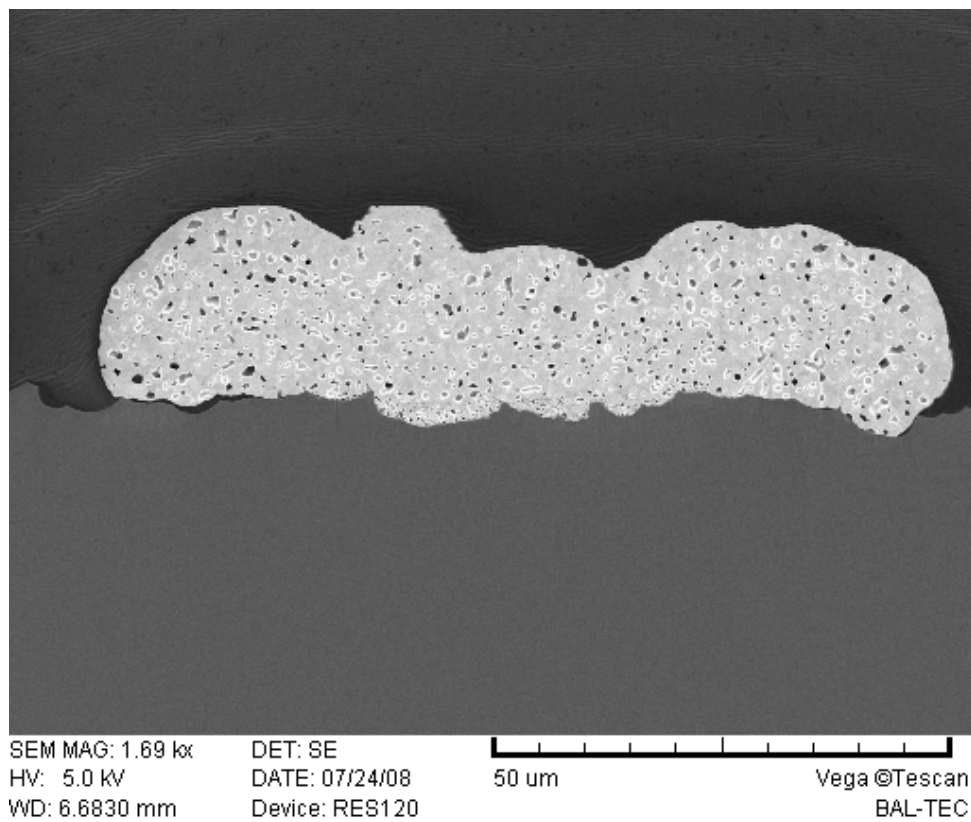
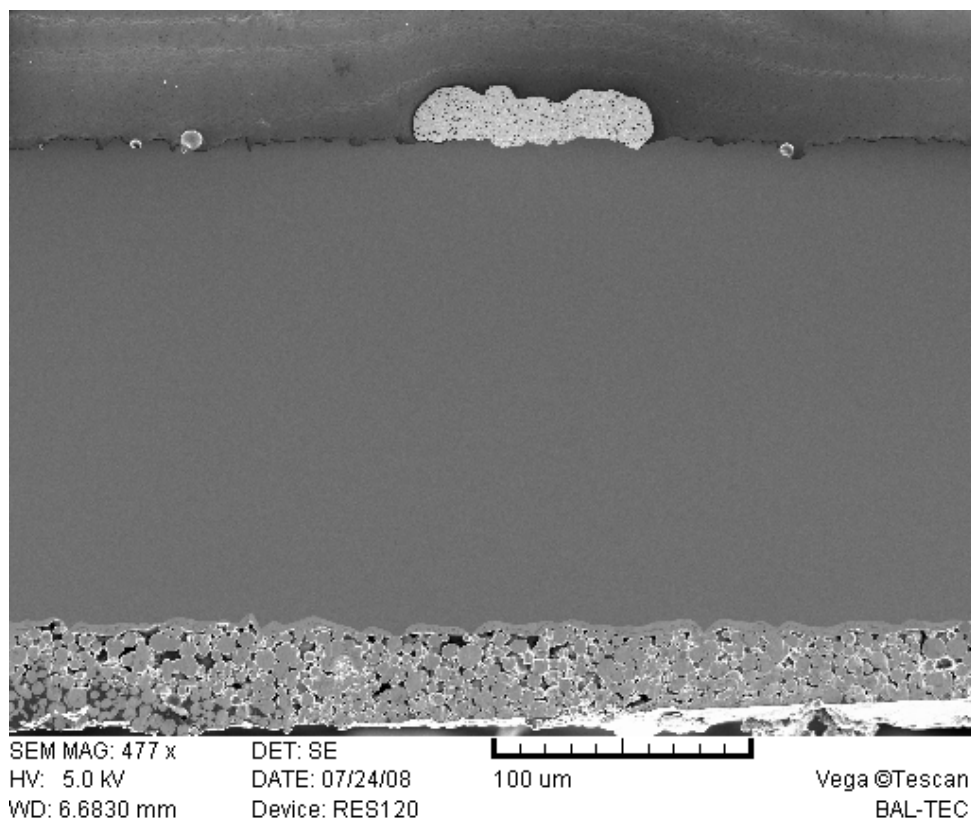
RESULTS

Perfect cross section of the solar cell.

Information about the metal finger and its interface to the cell.

Wolfgang Grünewald, Leica Microsystems

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

RELATED PRODUCTS



Leica EM TIC020



Leica EM TIC3X

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