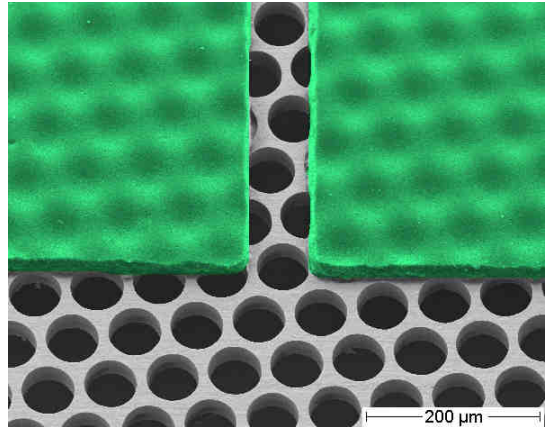




sunstence® uni is the first screen qualified by Applied Materials Baccini Cell Systems for double-printed metal line deposition

sunstence® uni, part of a new generation of high precision screens developed and distributed by **NB Technologies GmbH** and **Hans Frintrup GmbH**, has been qualified in November 2009 for the use on the Baccini Esatto Technology™.


Baccini Esatto Technology™ is an integrated solution for high precision screen printing for the suite of Baccini's back end processing systems. The technology is designed to raise the efficiency of crystalline-silicon (c-Si) solar cells by enabling the fabrication of advanced contact structures.



The first of several applications of the Esatto Technology™ is for double-printed metal line deposition where it has been shown to raise absolute cell efficiency by as much as 0.5%. The double print of silver is confirmed to save 50% to 60% of silver consumption. The double print allows to the manufacturer to apply silver on the finger and the busbar nearly independently at a finger line width of 70µm/60µm to 90µm/80µm and ~ 25µm to 30µm thickness depending on the paste.

sunstence® uni meets the crucial requirements on double-printed metal line deposition and is unmatched by any conventional mesh screen regarding alignment accuracy, image position stability over printing cycles and life time. A life time of more than 20.000 prints up to 30.000 prints is confirmed. sunstence® uni screens provide reduced printing force capability, which provides soft contact print and less breakage risk.

For further information feel free to look on our website www.nb-technologies.de or to contact us.

sunstence® uni and **sunstence® me** are distributed under the **sunstence®** family by Hans Frintrup GmbH. 

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