

**RENA's Inline single side plating tool InCellPlate:
 low COO Ag plating on Ag-paste**

The patented dry backside contacting used in the InCellPlate allows high volume back end production without back side protection of the solar cells. A second advantage of the dry contacts is the high uptime of the InCellPlate. The main application is light induced plating -LIP of Ag on printed Ag contacts. In combination with RENA fine line print screens with 50 µm dimensions efficiency increases of up to 0.5 % compared to cells with standard printed contacts were achieved.

The InCellPlate machine platform allows the combination of different etching, cleaning, plating and rinsing modules, the drying is performed with the cost effective AirChannelDryer technology.

The main benefits are:

- easy Inline operation
- high uptime due to dry contacting
- single side plating
- significant low Total Cost of Ownership

The smallest version has a footprint of 8000 x 3500 mm and achieves a gross throughput of 2400 cells per hour, depending on the process parameters.

Market Introduction: July 2009

Press contact:

RENA GmbH
 Norbert Bürger / Michaela Schätzle
 Phone: +49 7723 9313-19
 Norbert.buerger@rena.de