Brite Hellas A.E.
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Request for Quotes

Open: 22-02-2023

Close: 14-03-2023

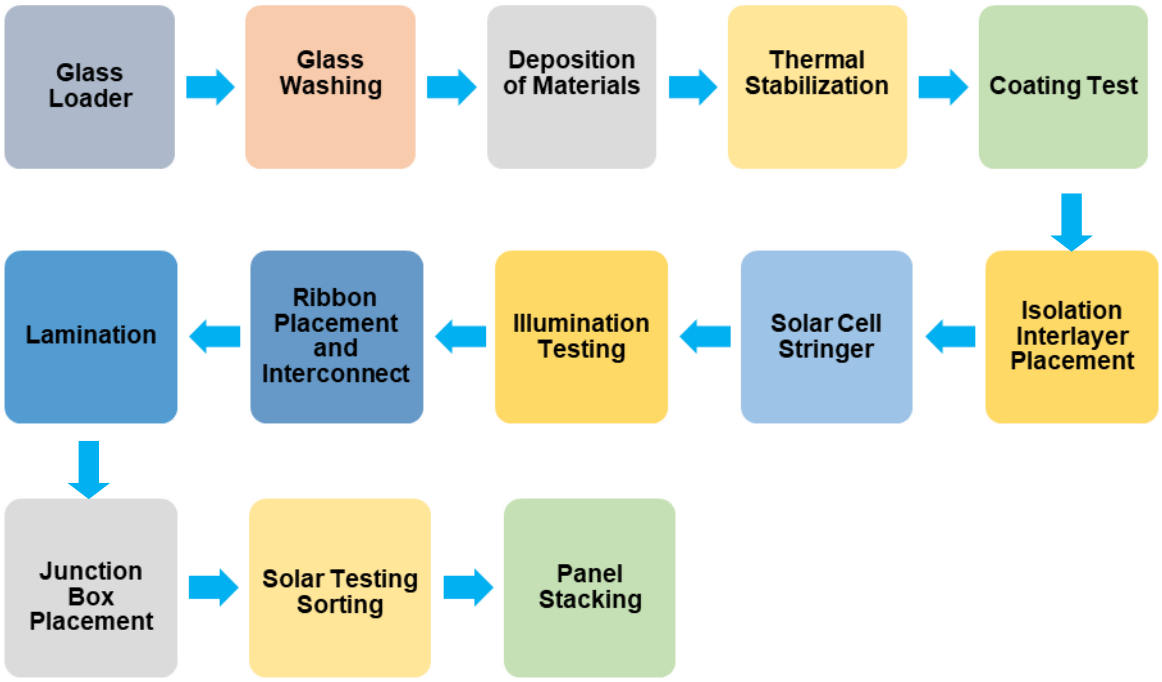
Brite Hellas S.A. is currently working on an investment project partially funded by a grant from Iceland, Liechtenstein and Norway through the EEA Financial Mechanism 2014-2021, in the frame of the Program "Business Innovation Greece", grant reference number ProSol 2021/580905. In the course of this project, Brite will develop a manufacturing line for its nanocoated semi-transparent panel technology. The line will be built in an industrial building space leased by Brite in the Industrial Zone of Patras, Greece.

Required Production Tools

The line equipment should be entirely derived from production tools that are commercially available now. The key material deposition tool is the ink-jet printer.

The flow of the production line

The steps in the production of solar glass are shown in the diagram below:



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Mass production process requirements

The design of the line for mass production of Brite Solar has the following requirements:

1. Achievement of mass production with existing tools on the market.
2. Low cost of the line and hence small cost of depreciation in the value of the final product.
3. The highest possible production throughput of solar glass, which can be augmented with tools or be repeated, to increase the total production. A minimum of 1 million m^2 / year of solar glass should be supported.
4. The production line must fit to an open floor industrial space of no more than 6.000 m^2.
5. The power required to operate the line shall not exceed 1 MWp including support equipment such as electrical lifts etc.
6. The target for the line yield is above 90% and for its availability a minimum of 11 months per year. These parameters should be used to calculate the line throughput at a minimum.
7. The line should support fully automated traceability of stage testing for the produced modules. The test data should be available to both Brite and the customer for the produced panels, and the information should be stored in the panel itself.

The received quotes/proposals will be evaluated within 4 weeks of the closing date. Non-selected proposals can submit an appeal within 3 days from the time of notification of the evaluation result. All quotes should refer to **RFQ: ProSol 1** and be submitted electronically to: info@britesolar.com

All questions or other inquiries concerning this quote should be addressed to the point of contact for this procurement who is:

Dr. Nick Kanopoulos
nkanopoulos@britesolar.com
+30 6943461393

RFQ: ProSol 1