Brite Hellas A.E.
9th klm Thessalonikis - Thermis, Building THERMI no. 2
P.O. Box: D8129, Post Code: 57001, Thessaloniki Greece
+302310321342 | info@britesolar.com.

Request for Quotes

Open: 22-02-2023

Close: 14-03-2023

Brite Hellas S.A. is engaged in the development, production and distribution of coated semi-transparent solar panels suitable for applications in Agri-PV. The nanocoated materials developed by Brite are applied to the panel using inkjet printing. Brite's coatings are hydrophobic, anti-reflective and luminescence shifting coatings. 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. In order to achieve this goal, Brite is seeking quotes for a printing system capable of handling industrial size glass substrates and volume production printing speeds (i.e. < 1 min / m^2).

The printing system configuration shall include:

1. Glass washer
2. Inkjet printer
3. Glass dryer
4. Clean room

The printer features shall meet the following requirements:

1. Maximum glass size 1.600 x 3.500 mm, reference glass size 2.089 x 1.033 mm.
2. Printer with at least 18 double printheads in line , and the possibility in the future to add another second printing bar of 18 double print-heads on the back.
3. In the main printing bar (18 double print-heads) it should be possible to use up to 2 inks (2 colour channels).

4. Machine should be able to make a single pass of any glass under 1.200 mm width.
5. Complete transport system by SERVO BELTS.
6. Scanner should be included in the inlet of the printer: the scanner shall avoid any type of mechanical positioning of the glass, and shall detect the glass shape and rotation angle. Once glass is scanned, carriage should come to make a thickness detection and start to print.
7. The scanner should also act like a buffer, so that when the machine is printing a glass, another glass shall be awaiting right back to the scanner to go through, once the on-going printing glass is fully printed and start to be conveyed to the dryer.
8. The machine shall print in different printing modes, depending on the number of passes required by the inks printed.
9. For the glass in the reference size provided (2.089 x 1.033 mm), the printing times should be:

   In one pass: < 17 seconds

   In two passes: < 24 seconds

Brite requests a quote for the **supply, installation and demonstration** of the printing system with the features described above. The location of installation will be Patras, Greece and the transport cost should be quoted 30 days prior to shipping the equipment.

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 4** 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

RFQ: ProSol 4

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