Press Release

SNEC 2015: M10 Industries AG presents new development

Record performance in soldering process

Multi-tray stringer solders up to 5000 solar cells per hour

Freiburg, Shanghai, 22nd of April 2015. From the 28th to the 30th of April M10 Industries AG in Freiburg Germany, is presenting "Kubus", its newly developed multi-tray stringer (hall E3, stand 630) at the SNEC 2015 in Shanghai, Asia's biggest international trade fair for photovoltaics. The patent pending, high performance stringer will be presented to the public for the first time by means of a 3D simulation. The benefits will be clearly visible: decoupled processes guarantee uninterrupted production and an output of up to 5000 cells per hour "The enormous performance levels of Kubus enable modules to be produced at 45 second intervals", explains Gregor Reddemann, founder and CEO of M10 Industries AG, who will be present in Shanghai.

Up to 80 modules per hour can be manufactured by means of the new multi-tray stringer – this means at least three times as many as with previous stringers. Günter Schneidereit, founder and majority shareholder of M10 Industries AG, emphasizes that: "This performance is absolutely unique in the module manufacturing sector". "Kubus" can also be flexibly applied. "It was designed for soldering cells with up to five busbar", says Reinhard Willi, likewise founder and majority shareholder.

The new "Kubus" stringer solders up to six solar cells side by side to form a complete cell matrix for photovoltaic modules. For this purpose the cells are transported on tooling plates – referred to as so-called "trays". Up to now only single "strings" have been generated which have to be placed by side by side in a module. This step of the process can be entirely omitted with "Kubus" – and therefore also the risk of cell breakage.

The biggest problem for module manufacturers is a lack of space and manpower – this is precisely where the new multi-tray stringer is able to provide what the industry requires: "Kubus" can be operated by a single staff member and by taking up 90 square meters it

does not require more space than previous stringers, despite its far higher performance. “We are very excited to see what the response is to our new high performance stringer in Asia”, says Reddemann. “Our launch in Europe a few months ago has already aroused considerable interest – currently we are conducting intensive tests with materials from various customers at our facility in Freiburg”. For further information about the group, please see www.m10ag.de.

Characters (incl. spaces): 2,394

About the Group: M10 Industries AG:

The new “Solar Campus” competence center, which includes the companies Si Module and M10 AG, combines development, production and technology: **M10 Industries AG** develops and builds systems for the solar industry that are characterized by innovation, quality and high performance. **SI Module GmbH** produces premium high quality photovoltaic modules. As a subsidiary of M10 Industries the production site also serves as a technology and service center for the new high performance stringer “Kubus”. All the group’s products are manufactured in Germany.

Pictures:
"Kubus" - the most powerful stringer in the world

Ribbons can be exchanged at any time without interrupting ongoing production.


The modular structure of the KUBUS guarantees an optimal access for all the application areas.



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