

Single crystal photovoltaic panel string welding machine consultation

Which solar cells can be soldered with ecoprogetti Stringer machines?

Ecoprogetti's stringer machines are designed to work with all the solar cells available on the market (from 166mm to 210 mm), full and half cut. The best soldering output with minimal stress given to the solar cells, realizing high-quality photovoltaic modules with minimized breakages during the transformation process.

What is a solar Tabber Stringer machine?

The best soldering output with minimal stress given to the solar cells, realizing high-quality photovoltaic modules with minimized breakages during the transformation process. The solar tabber stringer machine is used to weld solar cells to strings.

What is a solar Stringer machine?

The solar stringer machine is used to solder solar cells together with the use of bus bars into forming strings. This category of assembly equipment is one of the most sensitive since the soldering of the connections is what enables the photovoltaic module to transmit electricity.

Why should you buy a solar Tabber & Stringer?

By purchasing a solar tabber and stringer, your company will reduce working time and maximise performance of the entire photovoltaic module manufacturing line. Ecoprogetti Srl offers its customers the ET700 3B solar tabber and stringer, a high performance machine with a welding capacity of 720 cells/hour (for strings of 10 cells measuring 156 mm).

How does a photovoltaic module manufacturing line work?

The first phase in a photovoltaic module manufacturing line is joining the solar cells, which is done by a solar tabber and stringer, a totally automatic machine able to optimise the very delicate phase of stringing and tabbing.

What is a high speed MBB cell Stringer?

The Ultra high speed MBB cell stringer is capable of manufacturing up to 7200 pcs/h, with a Yield of string $\geq 97\%$. It is also expandable, allowing for string visual inspection, MES system docking, etc 7200 half-cell/hour and 10000 half-cell/hour, compatible with 156-230mm half-cell, 210-230mm 1/3 or 1/4 cut, 120-200um, 9-20BB cell.

The most critical figure in the entire production line -- tabber and stringer machines attaches and solders ribbons on the photovoltaic cells IBC, MBB, and various busbars, ensuring that the cells are aligned and function properly on ...

An automatic J-box soldering machine is an efficient machine used for rapid and accurate soldering of PV

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junction boxes. Featuring higher precision and stability, the soldering machine can process various types of solar panels with less ...

We enable solar panel manufacturers and laboratories to accurately measure the performance of all types and sizes of PV modules up to 2.6m x 1.4m. The services that are offered to test the quality of the modules are the following: - ...

Solar String Available: Max String Length: Max 12 cell, Max length ≤ 2000 mm (Ribbon length included)
Number of Cell Cassette: 5PCS, 250PCS/cassette: Cell Spacing: 1.5-10mm (depend on the cell size) Cell Positioning Accuracy: ...

Tabber Stringer Solar Cell Tabber Stringer Solar Cell String Welding Machine. Tabber stringer can weld 156-210mm.(Compatible with 1/2 cell soldering, speed is 3200-3600PCS/hour) ...

Improved quality control in cell and string production; Easy integration with the MES system; Autodiagnosis; Ergonomic, easy access to any part of the machine; A smaller machine that is easier to assemble and optimises space; Patented ...

MS40K Stringer Machine MBB cell stringer machine of MS40K is an automatic machine used for serial connection between crystalline silicon solar cells. The soldering machine can be applied to 3BB~12BB solar cells of 156mm, ...

An automatic bussing machine adopts induction welding and can be applied to 5BB-12BB solar cells of 156-210mm. ... The soldering stringer is an indispensable machine for solar string ...

Ultrahigh Speed MBB Cell Stringer with Inline NDC. Compatible with 156-230mm half-cell, 210-230mm 1/3, 1/4cell, 120-200um, 9BB-20BB; Staubli four-axis robot grabber, as well as the dual-sided design of the slide, vertical gripper and tail ...

Shingled solar cell terminal head welding machine is an automatic equipment to do welding at both heads of solar module string cells with the ribbon. - We provide solar panel production ...

PV Cell Stringer Layup Machine with Robot is used to achieve solar string automatic laying on glass EVA, and transporting module to the next process. - We provide solar panel production line, full automatic conveyor with full automatic ...

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