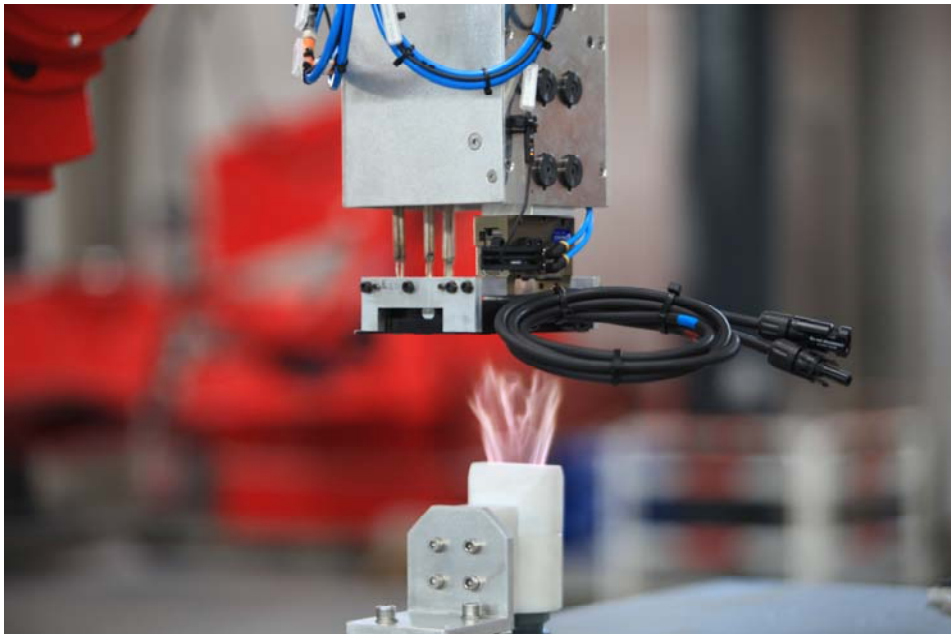


Fully automated assembly of the junction box:

The new system for fully automatic setting of the junction box is mounted on a platform completely ready for operation and thus, can be integrated in any existing production line with minimum expenditure. This new concept has many advantages compared to the conventional method. Due to this new concept, critical work steps before lamination are omitted:

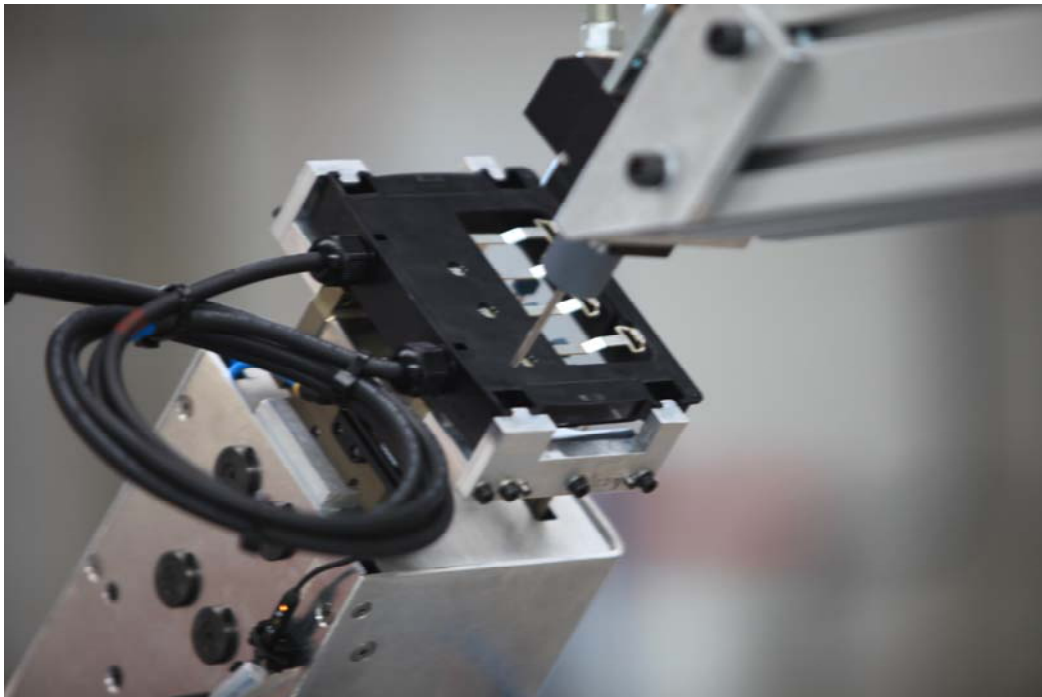
- foil stamping
- unthreading of terminal lugs
- no emerging EVA during lamination
- no soiling of the membrane

This new method also avoids the risk of damaging the membrane during lamination due to protruding lugs. Here also an optimum of cost saving can be seen, since various manual and automatic work steps can be omitted and in addition also material savings are possible. Also the possible break rate is reduced, since no manual actions are required any more.



Cleaning of the J-Box

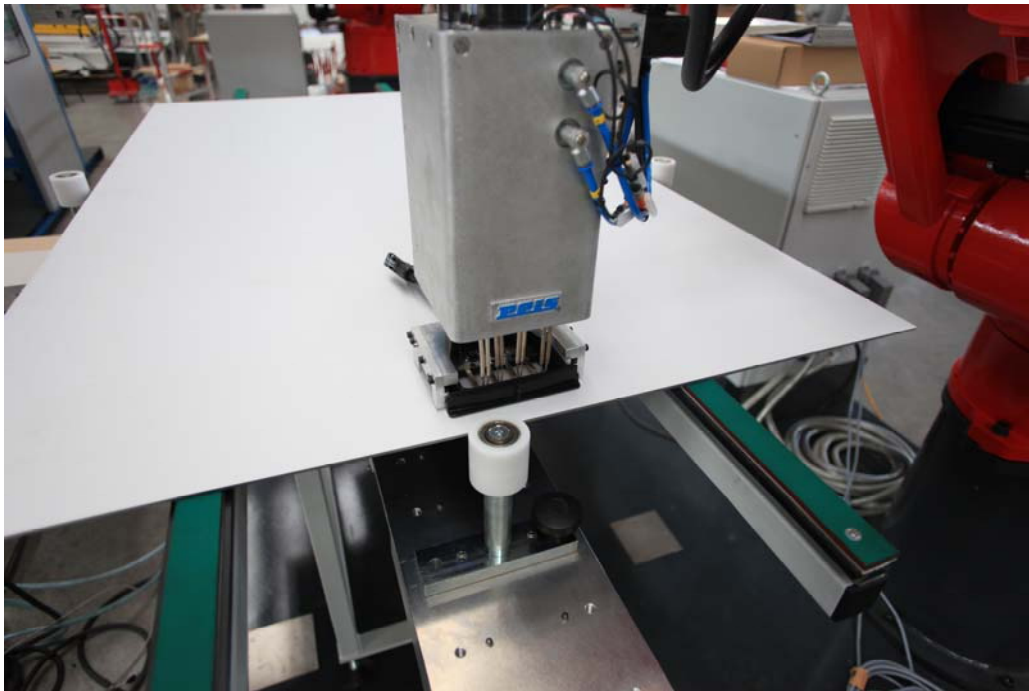
Press release



Dispensing of the Glue to the J-Box



Placing of the J-Box



Soldering of the contacts to the J-Box

Efficient production of solar modules

In recent years, Reis Robotics designed the most versified assembly systems for the module production and furnished many renowned solar module manufacturers with them. The more than 80 systems put into practice so far achieve an annual production capacity of approx. 3,5 GW. Reis Robotics offers a performance range from technology development, development of new production methods, planning and putting into practice individual production cells, as well as delivery and commissioning of complete production lines. The degrees of automation range from manual, semi-automatic up to fully automatic production lines in the ranges thin film, silicon and solar thermal.