

Our compact and powerful six-axis robot, the IRB 1600, combines high acceleration with a large work area, enabling even the most arduous production routines to be achieved with the highest quality and ...

In photovoltaic cell manufacturing, ROKAE's robots handle crucial processes like diffusion, thermal oxidation, back passivation, and positive glue PECVD. They excel in tasks such as ...

Therefore, this research is aimed at automating both monitoring and cleaning of the PV panel's surfaces through the design, manufacture, and operation and evaluating a dry-cleaning robot ...

We offer the right robots for handling of all types and formats of solar cells, either in batch for the classic PERC cells, or in pieces for inline process of the latest N-type (HJT/TOPCon) cells.

Thanks to our long experience, we are able to offer a wide range of services, not limited to the manufacturing of photovoltaic modules or production lines, but including a series of activities to ...

Here, we propose the integration of OPVs into a smart material that acts as a functional composite capable of harvesting energy and generating actuation within one single element. This ...

The TX2-90 robot series is the ideal choice for handling batches of cells for PECVD (Plasma-Enhanced Chemical Vapor Deposition) process in solar cell manufacturing.

With intelligent sensor fusion, AI-powered vision systems, real-time production data, and edge computing, the most advanced construction autonomy is now available for piling on solar farms.

SUNPURE is a high-tech innovative company specializing in R& D, manufacturing, sales and service of renewable energy intelligent robots. Its core product portfolio includes full-scenario PV cleaning ...

St&#228;ubli has designed a full range of four and six-axis robotic solutions for solar and photovoltaic production. Our specialized robotic arms combine high reliability, precision and dexterity to manage ...

Web: <https://www.idsolar.co.za>