

KUKA



KUKA Systems

Energy Solutions



KUKA Systems Overview

The KUKA Systems Group is one of the world's leading providers of engineering services and manufacturers of flexible automatic production systems. Our customers are companies from the industrial, automotive, aerospace, energy industries among others. KUKA's expertise encompasses products and services for almost all applications in the industrial processing of metallic or non-metallic materials. With some 3,600 employees in over 15 countries each of the companies works for the production solutions of the future.

With our experience in international projects and the knowledge of our employees in our subsidiaries all over the world we know and understand the national requirements, standards and safety guidelines.

Our customers should see our products and services as offering high quality while still being competitive and innovative. We want long-term success – for our customers and ourselves. KUKA Systems offers solutions for joining, assembly and handling. Our solutions are based on process technologies that we are constantly improving and optimizing. This is why we place great emphasis on the health and safety of our employees, customers and sustainable management of the natural resources from the world around us.

Additionally to industrial manufacturing equipment for standard modules we offer as well production lines for the next generation of modules such as building integrated modules including the process development.



Simulation

With the ability to simulate material flow, as well as, robot reach and cycle time KUKA guarantees custommade equipment with maximum availability and throughput rate.

General Contractor

KUKA is not only a line builder but also offers green field site construction for installation anywhere in the world.

Automated PV Module Assembly Systems



01 KUKA Robo Load

Automatic glass loading or foil layup

02 KUKA String TMP

Automatic string testing, measuring and layup on the module

03 KUKA Robo X

Automatic cross tie soldering incorporating cutting and loading of cross tie, as well as customized clamping tool and robotic induction soldering

04 KUKA Robo Trim

Automatic hot trimming of excessive material after the lamination process

05 KUKA Robo Tape

Automatic taping including application, cut to length and liner removal

06 KUKA Robo Frame

Automatic assembly of all frame parts thru a combination of robot movements and clamping devices within the customized robot gripper

07 KUKA Sol Box

Automatic J-Box application including automatic tape, sealing or pad apply

08 KUKA Robo Stack

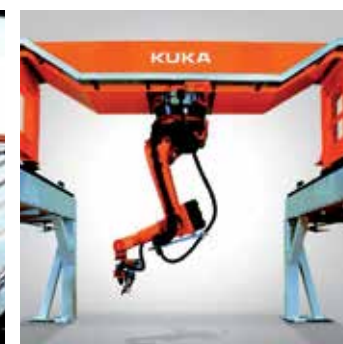
Automatic packaging station for sorting the modules according to power classification

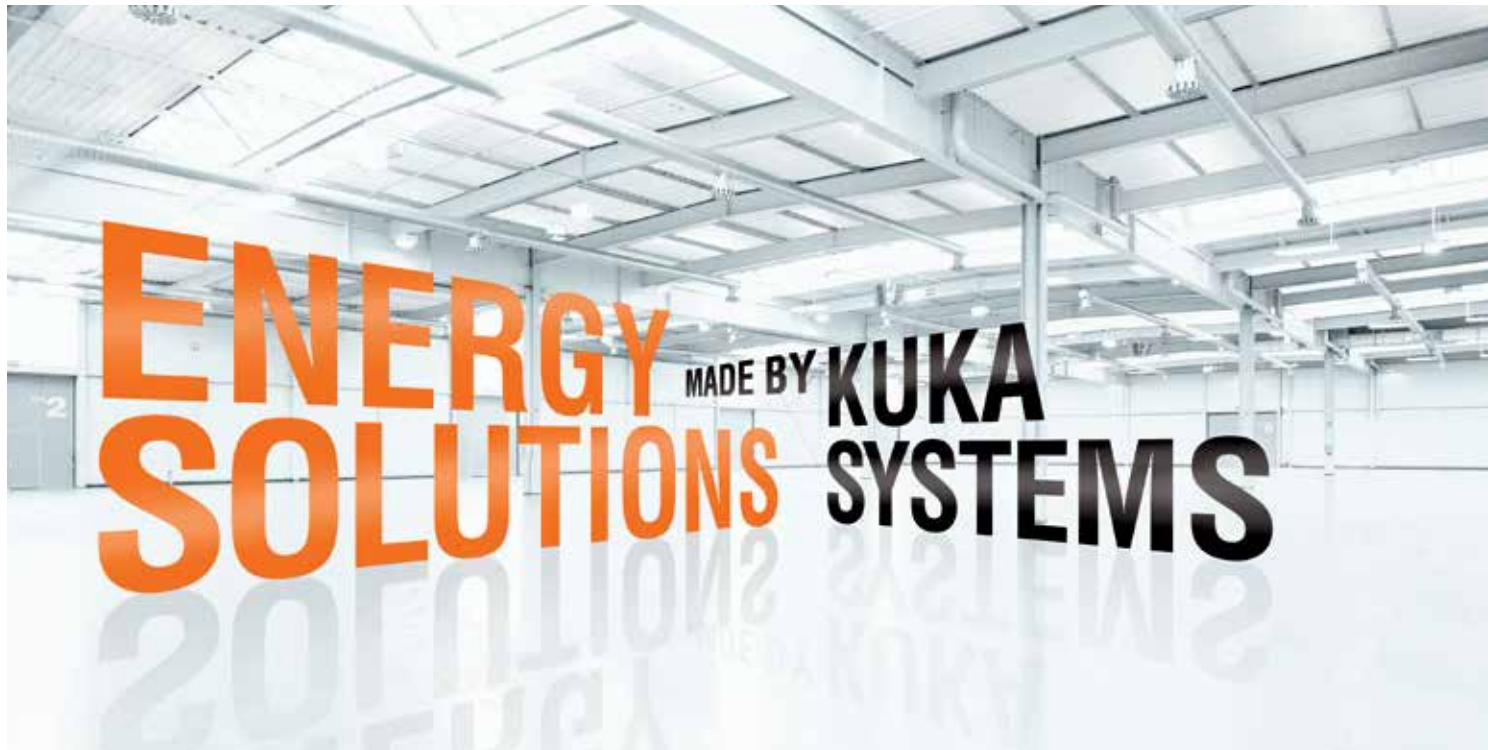
Thermal collector production

KUKA's solutions for the production of thermal collectors include laser welding the serpentine tubing onto absorber plates, handling glass, framing and welding or gluing.

Wind energy

KUKA as an automation specialist offers standardized and customized solutions for the following manufacturing tasks: Rotor blade finishing, bolt hole circle drilling and foundations for offshore parks.





For further information, please contact us at info@kuka-systems.cn

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