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Robotics
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Return answer
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**Stäubli – Your innovative partner
in Photovoltaics**

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**Boost your production with
Stäubli robots**

**Complete robotics solutions
for Solar Industry**

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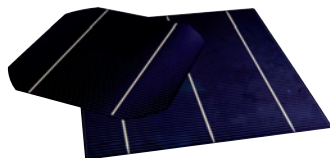
STÄUBLI

Stäubli solutions for all photovoltaics manufacturing automation requirements

C-SI TECHNOLOGY



Brick



Solar cell



Module

Ingots and brick production:

- Handling for cutting
- Measuring
- Grinding
- Chamfrening
- Glueing

Wafers & solar cells production:

- Wafer quality control
- Wet bench loading
- Anti reflection coating loading
- Screen printing loading
- Cell sorting and packaging

C-Si module production:

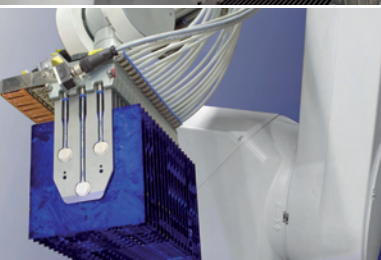
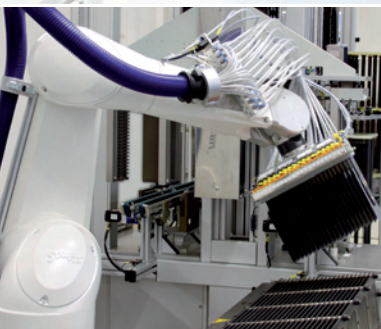
- Glass handling for washing machine
- Tabber and stringer application
- String positioning
- Junction box assembly and positioning
- Flasher and tester for Module

THIN FILM TECHNOLOGY



Thin film production line:

- Glass handling for washing machine
- Glass loading unloading for TCO, laser scribing, PEVCD deposit
- Flasher and tester for module



Technical characteristics:

- Closed robot arm with rigid structure
- Clean robot for all applications
- High speed
- High accuracy
- Smooth robot motion, best in its class

Advantages:

- 25+ years experience in cleanroom & semiconductor fields
- Partnership with system integrators and OEMs worldwide
- Synergy between Multi Contact and Robotics activities provide a global solution to PV module producers
- Dedicated range of robots for PV markets

