

Elabo.
Systematical success



Solutions. For today and the future



Industry solutions for new energy

22 July 2011
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Renewable energy

Safety testing

Functional testing

Solar panels, inverters, switch units ...

... generators, capacitors, cables ...

Industry solutions for new energy



Wind energy



Generators

Solar energy



Solar panels

Cables



Converters



Switches

Capacitors

High-voltage test, insulation resistance measurement, PE conductor resistance measurement

Flexible components for test workstations and test systems

- HV: 0 .. 6,000 VDC; 0 .. 2/5/10 mA
- IS: 0 .. 6,000 VDC; 0 .. 5 GOhm
- PE: 0 .. 500 mOhm; 12 VAC; 10 A
- Switch units
- Software solutions



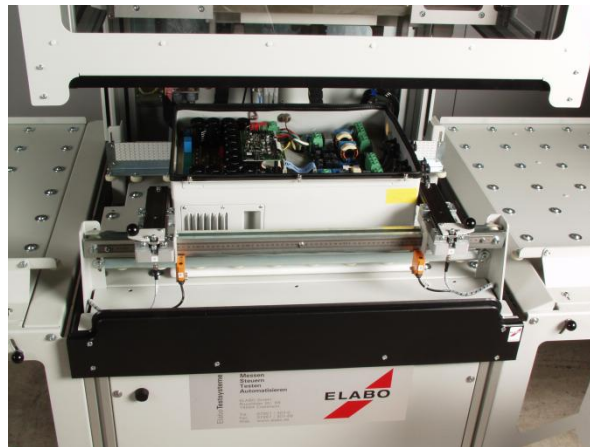
Test system for solar inverters

- High-voltage test 0 .. 5,000 VAC
- PE conductor resistance measurement 6 VAC / 25 A
- Insulation resistance measurement 0 .. 35 MOhm
- 8 Programmable test points
- Equipment self-test
- Flexible adaptation



Test system for solar inverters

- High-voltage test 0 .. 5,000 VAC
- PE conductor resistance measurement 6 VAC / 25 A
- Insulation resistance measurement 0 .. 35 MOhm
- 15 Programmable test points
- Fan current measurement
- Changeable adaptation



Test system for solar inverters

- High-voltage test 0 .. 5,000 VAC
- PE conductor resistance measurement 6 VAC / 25 A
- Insulation resistance measurement 0 .. 35 MOhm
- 15 Programmable test points
- Fan current measurement
- Changeable adaptation
- Equipment self-test



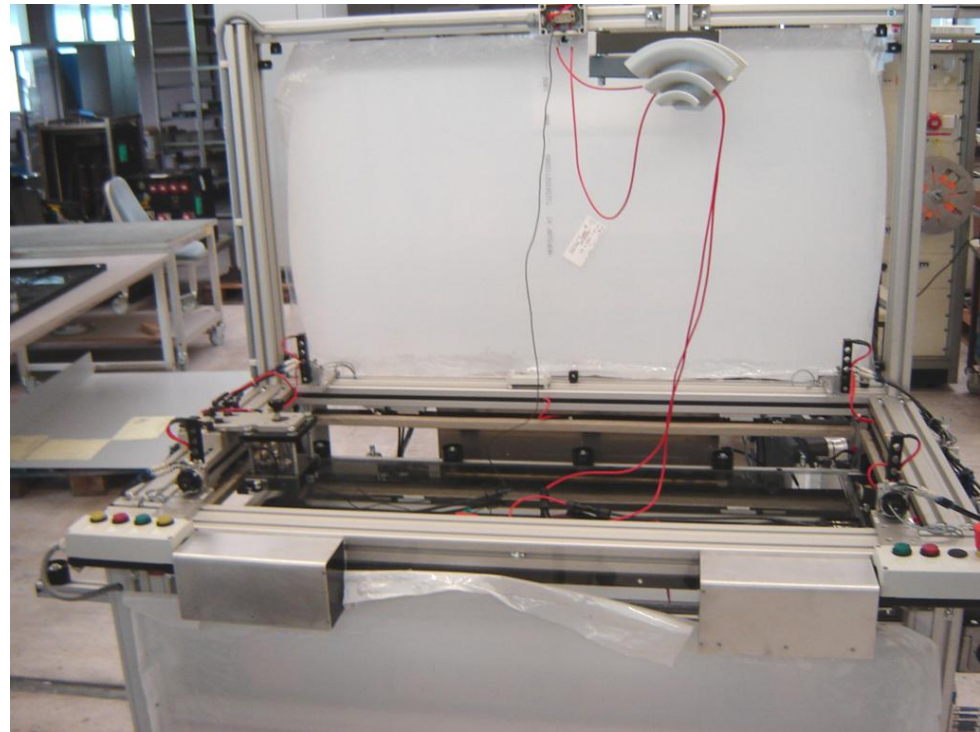
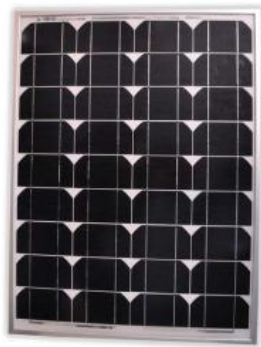
Test system for solar breakers

- High-voltage test 0 .. 5,000 VAC
- PE conductor resistance measurement 6 VAC/25 A
- Insulation resistance measurement 0 .. 35 MOhm
- Continuity test 0 .. 20 ADC
- Dial switch actuation
- Contact resistance measurement
- Changeable adaptation
- Equipment self-test



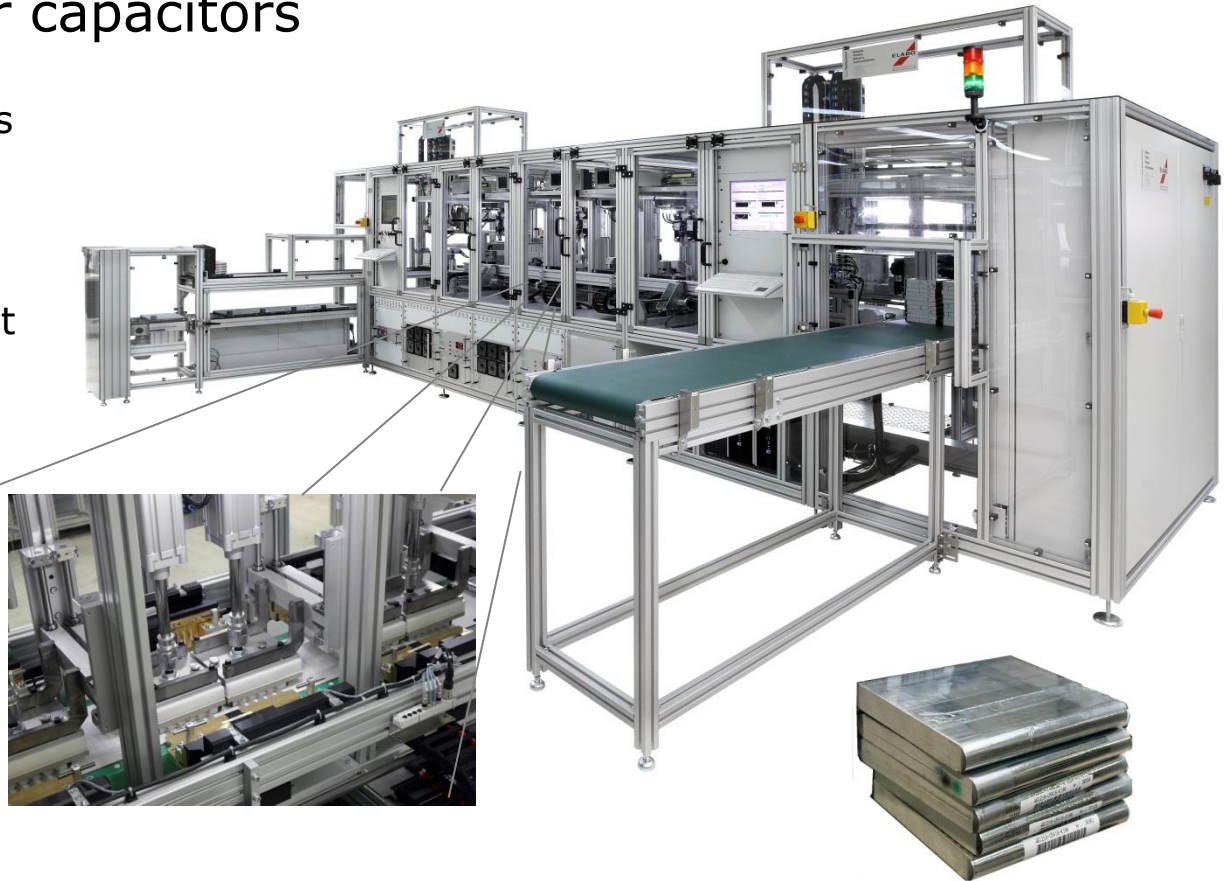
Test system for solar panels

- Fully automatic test process
 - High-voltage testing
 - PE conductor testing
 - Insulation resistance measurement
- Contact monitoring



Test system for rectifier capacitors

- Fully automatic test process
 - High-voltage testing
 - Pre- and post-burnout
 - Capacity measurement
 - Surge current testing
- Labelling
- Rejection of defective parts
- ERP-connection





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