

# Photon

The Solar Power Magazine **International** **com**

## Cell and Module Encapsulation

### KREMPEL-GROUP

Manufacturer of laminates for back or front encapsulation and protection of photovoltaic modules.  
Papierfabrikstrasse 4  
D-71665 Vaihingen/Enz, Germany  
phone +49/7042/915-0  
fax +49/7042/15985  
info@krempe.com  
www.krempe.com

## Consultants

### 3E

3E is an independent global software and consultancy company specialized in due diligence, module assessments, project guidance and PV portfolio monitoring & optimization (SynaptiQ) Kalkkaai 6  
Belgium - 1000 Brussels  
phone: +32-2-217 58 68  
www.3e.eu - www.3esynaptiq.com

## PV Activities in Japan

Osamu Ikki  
RTS Corporation  
2-3-11 Shinkawa  
Chuo-ku, Tokyo 104-0033  
phone +81/3/3551-6345  
fax +81/3/3553-8954  
e-mail: info@rts-pv.com  
www.rts-pv.com

## Crystal Growth Equipment

### ALD Vacuum Techn. GmbH

Worldwide leading supplier of technology and production equipment for metallurgical and solar applications. Crystallization equipment for multi and mono2tm ingot production.  
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D-63450 Hanau, Germany  
+49 6181/307-0, +49 6181/307-3290  
info@ald-vt.de, www.ald-vt.de

### MERSEN (formerly Carbone Lorraine)

Innovative solutions for the solar and semiconductor industries. An extended range of high performance materials large size graphite blocks, C/C composites, thermal insulation materials.  
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phone +33/141854514, fax +33/141854353  
solar-fr@mersen.com, www.mersen.com

### PVA TePla AG

a company of the PVA TePla Group  
Manufacturer of crystal pulling equipment for wafer manufacturers in solar, semiconductor and optoelectronic industry. Products are available for silicon ingots of all diameters, as well compound semiconductor crystals. Available features include computer automation, feeding systems and oxide filtration.  
Im Westpark 10-12, D-35614 Wettenberg, Germany  
phone +49/641/68690-0, fax -800  
info@pvatepla.com, www.pvatepla.com

## Inverters

### Studer Innotec SA

Swiss made inverters and inverter-chargers for off grid systems.  
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e-mail: info@studer-innotec.com  
www.studer-innotec.com

### Tranergy

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No.188, Weiwu Rd. 201802 Shanghai, China  
Phone +86-21-38953908  
info@tranergy.com  
www.tranergy.com

### Victron Energy

True sinewave stand-alone inverters and combined inverter-chargers. Modular systems 200 W + 45 kW. Unique grid and generator parallel operation features. Also battery chargers battery monitoring, and DC/DC converters.  
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www.victronenergie.com

### Voltronic Power Technology

Leading OEM/ODM manufacturer of grid-tied inverters, hybrid inverters off-grid inverters and MPPT charger with user-friendly LCD.  
5F, No. 151, Xinhu 1st road, Neihu dist. Taipei, Taiwan  
phone +886-2-27918296  
sales@voltronic.com.tw  
www.voltronicpower.com

## Manufacturing Equipment

### Meco Equipment Engineers

Plating equipment for semi conductor and solar industry. Turn-key plating lines for thin-film solar cell manufacturing, metallization on silicon solar cells and on flex foil.  
Marconilaan 2  
NL-5151 DR Drunen, Netherlands  
phone +31/416/384384, fax 384300  
meco.sales@besi.com, www.meco.nl

### Mondragon Assembly

Modules: Turnkey production lines. Cell tester, tabber & stringer, interconnection, flash tester, IR control. Cells: Laser scribing & edge isolation automatic cell handling systems, special solutions  
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20550 Aretxabaleta, Spain  
phone +34/943712080, fax 943712210  
info@mondragon-assembly.com  
www.mondragon-assembly.com

### SCHMID Group

Process and automation equipment as well as turnkey solutions for wafer production, cell production and module assembly.  
Robert-Bosch-Str. 32-36  
D-72250 Freudenstadt, Germany  
phone +49/7441/538-0, fax -121  
info@schmid-group.com  
www.schmid-group.com

## Module Connectors

### QC Solar Corporation

Innovative pioneer manufacturer of solar PV connecting products, PV junction boxes, cable connectors, suitable for silicon solar panels and thin-film modules. Top one capacity in China, TUV & UL approved.  
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phone +86/512/62603395, fax 62603396  
market@qc-solar.com.cn  
www.qc-solar.com.cn

## Modules

### Amerisolar-Worldwide Energy

A leading solar manufacturer of USA brand "Amerisolar" with 500MW capacity in 2012. Certified by TÜV, UL, MCS, ISO9001, ISO14001, OHSAS18001, CSTB, Kemco and CEC listed.  
phone +86/21-6211-5260, fax 6211-5205  
sales@weamerisolar.com  
www.weamerisolar.com

### RITEK Solar

An expert manufacturer of PV-Modules from polycrystalline, mono-crystalline, to BIPV certified by TÜV, UL, CEC, and MCS.  
No 42, Kuan-Fu N. Rd., Hsin Chu Industrial Park, 30316, Hsinchu, Taiwan  
phone +886-03-598-7298  
fax +886-03-599-8449  
ritsolar@ritek.com  
www.riteksolar.com

# Your PV world directory

# company directory

photon-picture.com

## Solartron PCL

Producer of a wide range of high quality solar modules and system integrators, with 22 years experience. Production of crystalline Si-cells will start in 2009.  
1000/65-67 PB Tower, Sukhumvit 71 Rd. Bangkok 101110, Thailand  
phone +66/2/3920224, fax 3924538  
support@solartron.co.th

## Mounting Systems

### Sadef nv

Design and manufacturing of steel structures for PV  
B-8830 Gits, Bruggesteeweg 60  
Tel.: +32/51/261211,  
Fax +32/51/261301  
www.sadef.com, sales@sadef.com

## Scorpius Trackers



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Horz and Tilt Single Axis Trackers  
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www.scorpiustrackers.com (info@...)

## R & D, Analysis, Certification

### PI Berlin AG

PV module consulting, testing, research  
IEC 61215, 61646 & 61730 and UL 1703  
ISO 17025, CBTL in IECCE CB scheme.  
Joint ventures with PICON (thin film)  
and PI Systems (systems engineering).  
Wrangelstrasse 100  
D-10997 Berlin, Germany  
phone +49/30/8145264-0  
info@pi-berlin.com, www.pi-berlin.com

## Raw Materials



### SEED STEEL

### Seed Steel Metal Material

Hongzhuang Road, Zhengqi Street, Jinshu  
Zhengzhou, Henan, China  
+8637155031185, +8637160303944  
http://firsteelplate.com

## Screen Printers & Metallization

### JRT Photovoltaics GmbH & Co. KG

JRT is offering an optimal service spectrum in the sector of metallization and handling technologies, and the partial coating of crystalline solar cells.  
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phone +49-7644-92797-0, fax -110  
info@jrt-pv.de, www.jrt-pv.de

### Meco Equipment Engineers

Plating equipment for semi conductor and solar industry. Turn-key plating lines for thin-film solar cell manufacturing, metallization on silicon solar cells and on flex foil.  
Marconilaan 2  
NL-5151 DR Drunen, Netherlands  
phone +31/416/384384, fax 384300  
mecco.sales@besi.com, www.mecco.nl

## Silicon Material

### Elkem Solar

Solar grade silicon  
P.O. Box 8040  
N-4675 Kristiansand, Norway  
phone +47/380/17000  
sales.solar@elkem.no  
www.elkem.no

## Solar Simulators

### BERGER Lichttechnik

Pulsed solar simulators and measuring systems to certify all electr. power and safety requirements of PV modules and cells according DIN, EN, ISO, IEC, UL. Over 30 years experience in int'l terrestrial and space industry.  
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phone +49/89/79355-266, fax -265  
www.bergerlichttechnik.de

### Pasan SA

Pasan sun simulators of outstanding spectral accuracy and light uniformity for standard and large customized dimensions. Applications in crystalline as well as in thin film panels. Advanced cell testers for laboratory and production facilities and high performance cell sorters.  
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phone: +41/32/391-1600, fax -1699  
Info@pasan.ch, www.pasan.ch

### WAVELABS

Copying the sun using LEDs - WAVELABS stands for next-generation solar simulation in production, R+D and certification. LED's COPY THE SUN.  
Markranstädterstr. 1  
04229 Leipzig, Germany  
+49 341 4924 4830, +49 341 4924 4839  
INFO@WAVELABS.DE, WWW.WAVELABS.DE

## System Integrators

### Laplace System Co., Ltd.

Development and sale of PV simulation (Solar Pro) measuring software (Solar link), various kinds technology calculation software.  
1-245 Kyomachi, Fushimi-ku,  
Kyoto, 612-8083, Japan  
phone: +81/75/6044731, fax 6213665  
E-mail: laplace@lapsys.co.jp  
www.lapsys.co.jp

## Thin Film Manufacturing Equipment

### Meco Equipment Engineers

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Marconilaan 2  
NL-5151 DR Drunen, Netherlands  
phone +31/416/384384, fax 384300  
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## Wafers & Ingots

### Hennecke Systems GmbH

Since 1999 we are specialised in innovative measurement technologies and sorting systems for wafers. Achieving excellence is the result of our profound and longtime knowledge in the installation of systems worldwide.  
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## Wire Saws & Consumables

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