SOLUTIONS
FOR THE PHOTOVOLTAIC INDUSTRY

AMETEK
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CAMECA . EDAX . HAMILTON PRECISION METALS . HCC INDUSTRIES
HDR POWER SYSTEMS . LAND INSTRUMENTS . PRECITECH
PRINCETON APPLIED RESEARCH . PROCESS INSTRUMENTS . PROGRAMMABLE POWER
SOLARTRON ANALYTICAL . SOLIDSTATE CONTROLS
SPECTRO ANALYTICAL INSTRUMENTS . TAYLOR HOBSON
Solutions for the Photovoltaic Industry

AMETEK manufactures a wide variety of products for the photovoltaic industry under many brand names. For R&D applications, Secondary Ion Mass Spectrometry (SIMS) from CAMECA are used for material science and thin film analysis. X-ray spectroscopy (EDS) instruments available from EDAX and Spectro are also used in materials analysis applications. Scanning White Light Interferometry (SWLI) instruments from Taylor Hobson are used for thin film metrology and surface topography.

For electrical property testing, potentiostats are available from our Princeton Applied Research business, while PV array and grid simulators are made by our AMETEK manufactures a wide variety of products for the photovoltaic industry under many brand names. For R&D applications, Secondary Ion Mass Spectrometry (SIMS) from CAMECA are used for material science and thin film analysis. X-ray spectroscopy (EDS) instruments available from EDAX and Spectro are also used in materials analysis applications. Scanning White Light Interferometry (SWLI) instruments from Taylor Hobson are used for thin film metrology and surface topography.

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With so much to offer the PV industry, AMETEK is well positioned to serve your needs, from R&D and material testing to production and installation. Visit www.ametekphotovoltaic.com to learn more about how AMETEK can provide solutions for your PV applications.

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<td><a href="http://www.ametekmetals.com">www.ametekmetals.com</a></td>
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<td>Spark spectrometers for monitoring the compositional contents of solders, wires and other metal components</td>
<td><a href="http://www.spectro.com">www.spectro.com</a></td>
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<td>Handheld XRF instruments for non-destructive analysis of solar glass, material purity, and PV panels that measure relevant elements such as gallium, selenium, indium, cadmium, tellurium, zinc or iron</td>
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<tr>
<td>X-ray spectroscopy (EDS, EDXRF, WDS, and µ-XRF) for the chemical characterization of PV materials</td>
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<td>UHP gas chromatographs for the analysis of H₂, CO, CO₂, and hydrocarbons in ultra high purity gases</td>
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<td>Ultra-precision multi-axis diamond turning, grinding, grooving and milling machines for both rotationally symmetric and freeform applications in single crystal, non-ferrous and ferrous materials</td>
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AMETEK – THE GLOBAL PICTURE

AMETEK is a global leader in electronic instruments and electromechanical devices with 2009 sales of $2.1 billion. It employs approximately 10,000 people at more than 80 manufacturing locations around the world. Supporting those operations are more than 100 sales and service locations in the United States and 37 other countries.

AMETEK consists of two business groups: Electronic Instruments and Electromechanical. Electronic Instruments is a leader in advanced instruments for process, aerospace, power and industrial markets. Electromechanical is a differentiated supplier of electrical interconnects, specialty metals, technical motors and systems, and floor care and specialty motors.

AMETEK has put together a coordinated presence in the photovoltaic industry. The vast experience, technology offerings and products we make for the PV marketplace enable us to offer solutions now and when future advancements are made in photovoltaics.

Please visit ametekphotovoltaic.com to help you better understand how AMETEK can come through for you in PV.