

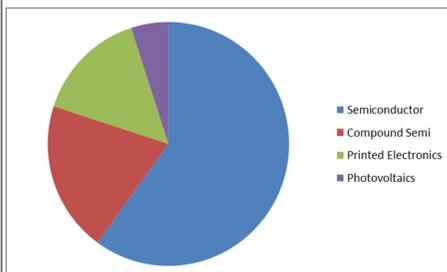


High-Tech Distribution and Consulting

merconics is a competent and experienced partner for the distribution of advanced capital equipment and process materials for the European semiconductor, photovoltaic industry, printed electronics and related markets. The systems of our principals can be used in a variety of segments of the above-mentioned markets, such as advanced chip or solar components manufacturing and respective R&D activities. We focus our efforts on providing solutions that enable our customers to meet today's challenging technology and manufacturing requirements.

merconics fact sheet

merconics a Bergkirchen (Munich), Germany based company was founded in 2008 by Harald Moder a semiconductor industry veteran with some 25 years of experience in semiconductor processing. Over the past eight years merconics also developed a profound knowledge of the photovoltaic (PV) market not only in Europe but on a worldwide scale. Since its incarnation merconics could demonstrate strong continuous revenue growth.



Technologies in merconics portfolio by market

merconics established a Thin Film related portfolio and represents principals with products ranging from materials, process equipment and process control to offer its customers a comprehensive solution for Thin Film Applications in the semiconductor industry.

Over the years continuously new principals were added to compliment the portfolio and establish merconics as the Thin Film Experts for equipment distribution in Europe. Access to those different technologies enable merconics to offer customers the best solutions for their research & development or manufacturing challenges.

The markets served are Semiconductor, Photovoltaics, MEMS, Compound Semi and Printed Electronics. Beside sales support flexible service concepts can be offered including installation, warranty support, on-call or on-site services.

High-Tech Distribution

Currently merconics is representing twelve principals. Several start-up principals were promoted in the PV and other industries and first revenue for them could be generated within the first year of representation.

Materials

NovaCentrix develops Nanoinks eg. Cu, Ag which can be used in various applications eg. for PE.

Process Equipment

Ceradrop from Limoges, France is an inkjet and aerosoljet printer equipment manufacturer for high-accuracy 2D and 3D multi-material deposition.

Mustang Solar a Sarasota, Florida based company designs and manufactures sputter and evaporation process equipment for thin film photovoltaic.

Nines Photovoltaics a Dublin, Ireland based company designs equipment for a novel dry etching process that works at atmospheric pressure.

NovaCentrix an Austin, Texas based company develops and manufactures equipment for photonic curing incl. drying, annealing and sintering of films for printed electronic.

Ultratech (former Cambridge NanoTech), Waltham (Mass.) supplies equipment for R&D Atomic Layer Deposition (ALD) for ultra thin and conformal films.

Veeco: Etching & Deposition equipment incl. IBE, IBD, PVD, CVD, ALD, MOCVD, MBE equipment for MEMS, Compound Semi and power IC application.

Process Control & Characterization

Atonometrics, Austin (Texas) develops and manufactures Continuous Solar Simulator, Light Soaking and UV-Chamber equipment for PV module testing.

Bruker's, Santa Barbara, CA (USA) industry-leading automated Atomic Force Microscopes provide the highest levels of performance, flexibility and productivity, and incorporate the very latest advances in atomic force microscopy techniques. These advancements include the proprietary Peak Force Tapping[®] technology.



The InSight[®] 3DAFM was designed specifically to address CD, depth, sidewall angle and CMP metrology in a production environment.

Bruker also offers fully automated X-ray metrology tool for the semiconductor industry, with applications in the front - and back end of the process line and packaging for thickness, density and roughness determination of thin-multi-layers.

Inspectrology, Sudbury (Mass.) provides high precision optical CD and Overlay control measurement equipment.

Partners deliver success

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