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PRODUITS OU MACHINES

Thyro-Family – Made for glass

Advanced Energy presents the new Thyro-Family featuring the Thyro-S, Thyro-A, Thyro-AX and Thyro-PX digital SCR power controllers. Advanced Energy' SCR power controllers switch or regulate electrical energy in worldwide use in practically every area of industry, starting from simple systems and ranging all the way to complex applications for high-end controllers. By virtue of their precision and reliability, Advanced Energy SCR power controllers offer certainty for all application processes in which melting, heating, drying and molding are required. These also include in particular glass applications (e.g. TFT glass or float glass).

Advanced Energy provides with the Thyro-Family a very comprehensive model range of power controllers with currents up to 2,900A and voltages up to 690V that is completely digital and bus compatible, e.g. EtherCAT, Profinet, EtherNet/IP, Modbus TCP, Profibus or DeviceNet.

Thyro-PX
High-precision digital SCR power controller

The result of over 50 years of power-control expertise across a range of industries worldwide, the Thyro-PX SCR power controller adds new functionality to the precise, reliable performance of the Thyro-Family. Adjust performance parameters via menu. Control and monitor set points and actual process values via analog outputs or a wide range of optional bus systems. The optional Thyro-Touch display unit provides easy, intuitive operation via touchscreen. The series offers rated currents up to 2900 A and voltages up to 690 V. Application-specific solutions are also available with significantly higher currents and voltages.

Thyro-AX
Digital SCR power controllers with touch display

With numerous new performance features, flexible and reliable handling, and an integrated touch display, the Thyro-AX® SCR power controller delivers the superior performance standards of Advanced Energy's Thyro-Family products.

Thyro-A
Digital SCR power controllers

With high-capacity digital technology, the communication-enabled Thyro-A SCR power controller enables precise energy dosing at a high level of availability.

Thyro-S
Thyristor switches

As a connection-ready thyristor switch with secure operational behavior and load monitoring, it switches currents, voltages and power sources.

HISTOIRE DE L´ENTREPRISE

PRECISION I POWER I PERFORMANCE

Advanced Energy® (AE®) has devoted more than three decades to perfecting power—enabling design breakthroughs and driving growth for leading semiconductor and industrial customers. Our precision power and control technologies, along with our applications know-how, inspire close partnerships and perpetual innovation in thin-film and industrial manufacturing.

Founded in 1981, AE has built a diversified and global business, delivering advanced power and control technologies to customers across a broad range of industries. The AE team, deployed throughout North America, Europe, and Asia, provides technical expertise and responsive and agile power solutions for thin-film and industrial manufacturing.

AE thermal management systems offer precision temperature measurement and control, while AE power control modules provide exceptional quality for heating, melting, bending, forming, or drying in a wide variety of industrial applications.

SCR POWER CONTROLLERS

Advanced Energy's Thyro-Family offers reliable and innovative power supply solutions with high quality standards for optimized applications, e.g.

- heating
- melting
- drying
- forming

Whether in traditional areas or in special applications such as direct heated melting, float glass, cooling channels, container glass or glass bending and printed glass drying, our products have been tried and tested for years. Even for newer applications such as TFT Glass, or for future-orientated technologies that are still in the experimental stage, customers trust the solutions and the experience of our Thyro-Family.

ADVANCED ENERGY WORLDWIDE

Our clientele range from traditional power generators and companies in the oil, gas and petrochemical sector all the way to pioneers of power generation from renewable forms of energy. Issues such as quality, know-how, service and reliability are very much a part of our everyday internal discussions. Our longstanding relationships with our customers confirm that the standards we set ourselves are measured against these criteria of outstanding performance. It is for this reason that Advanced Energy is one of the world's leading manufacturers of electronic systems and solutions for industrial power supply and offers one of the most comprehensive portfolios of products and services for power conversion and control.

Through our expertise in renewable energy and our knowledge of the global power supply infrastructure, we are able to intelligently combine electricity supply and consumption. Together with our customers we thus create innovative energy management systems that facilitate ‘intelligent’ control appropriate to demand.

RELY ON THE EXPERTS

Our customers’ requirements are ultimately always very individual. That calls for not only a broad spectrum of products and possible ways to use them, but also requires direct and individual support. In order to be able to react to new market development as flexibly as we can and to support our customers as quickly and continuously as possible, our subsidiaries provide the appropriate service with the required proximity to our customers all around the globe.

The multitude of new ideas, products and possibilities always brings with it new demands. Creative technicians, engineers and scientists work day in, day out for AE on new products that, for instance, provide protection from power cuts and the associated loss of data and costly downtime. With our engineers, technicians and project managers, AE performs pioneering work in R&D and application engineering.

Company Profile of **Advanced Energy Industries GmbH**

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