ISOHEAT®

Qualität
Made in Germany

High Tech Engineering

High Temperature Radiation Heaters

Mineral insulated heating cables
for solar cell production and process equipment

Our capabilities

Complete Heating Solutions

- Design and 3D modeling
- Engineering
- Production manufacturing for temperature up to 1000°C
- Designed for normal and UHV solutions
- Experience in different materials (stainless steel, different alloy materials, ...)
- From small up to large size heaters



Ex

ISOHEAT®

www.isoheat.de

The brand name for individual heating technology

Applications

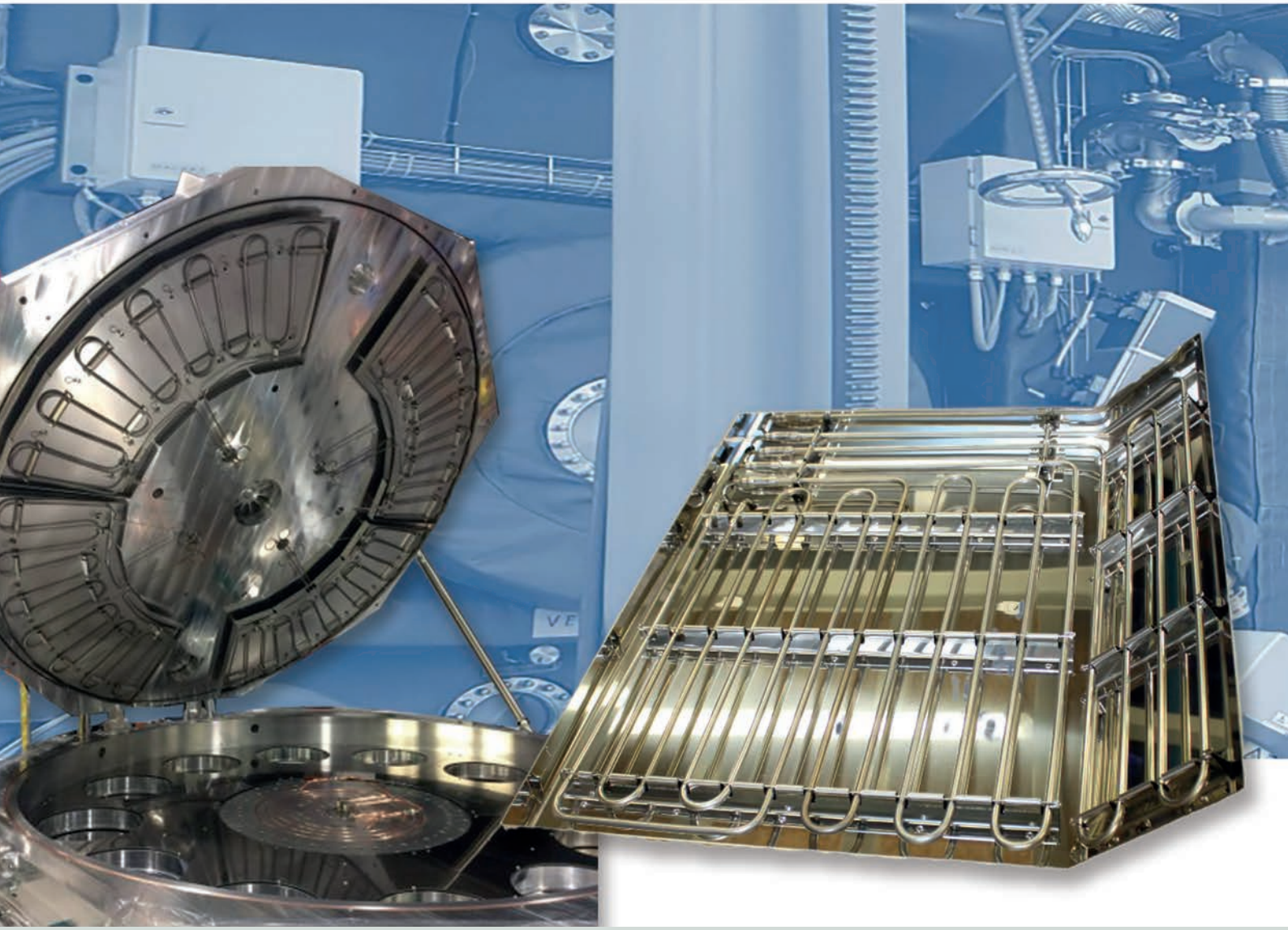
ISOHEAT® Radiation Heater for the production machines of thin-film solar cells

Based on:

CIS **CdTe** **CIGS**

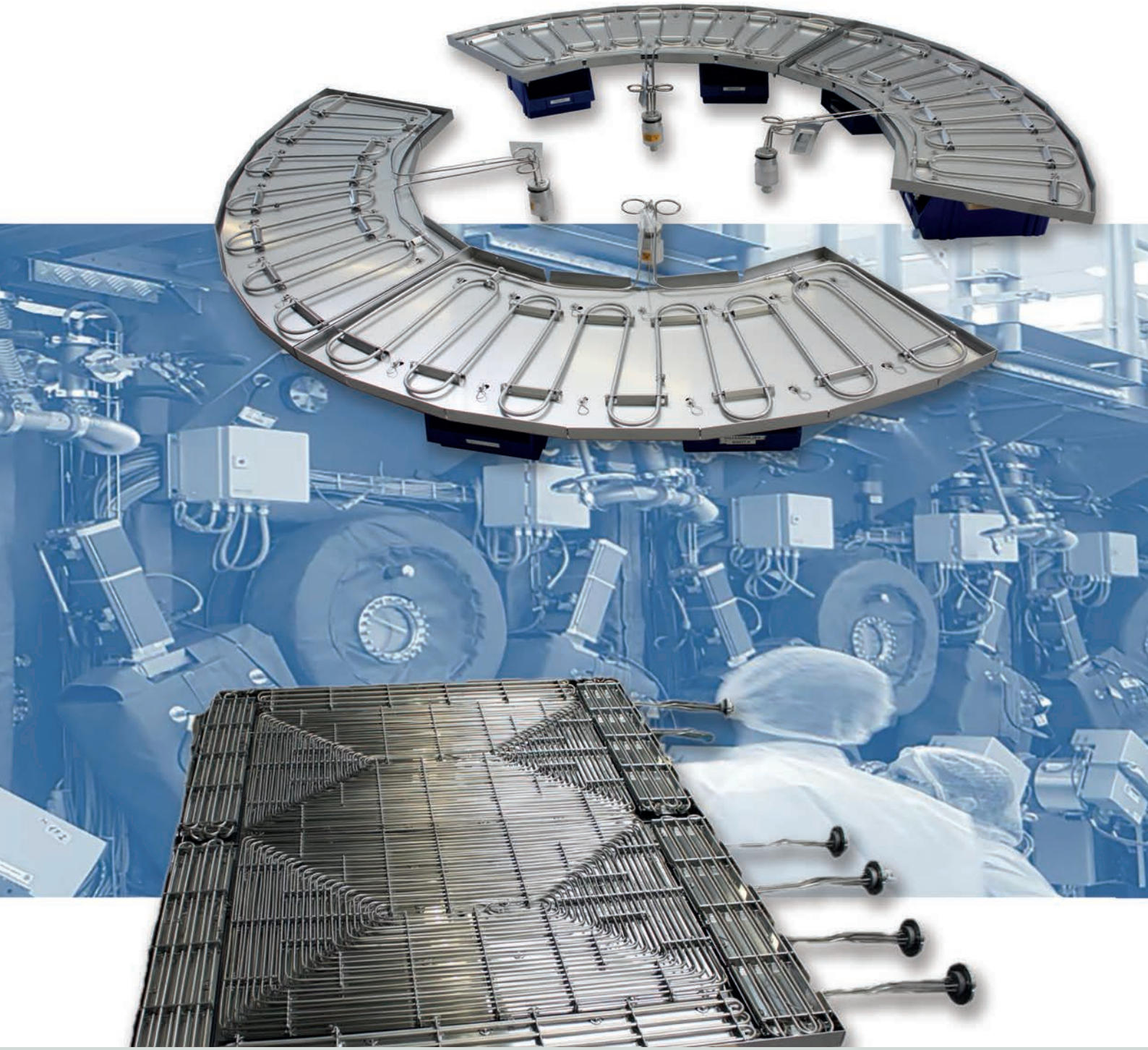
Copper indium gallium selenide (CIGS) is suitable for the production of lightweight, flexible, semi-transparent, and custom-shaped solar products. These can be deployed in an incredibly wide range of solar products





Key parameters

- Working temperature up to 1000°C
- Power up to 25 KW/m²
- Independently controlled heating zones
- Custom sizes from small to large
- Vacuum tight flanges for electrical connection
- Semiconductor cleanness standard
- Reflective shields made from polished stainless steel



Aluminium Heating Plates with mineral insulated heating cable for c-Si and thin-film modules Vacuum Laminators

Key parameters

- Working temperature up to 240°C
- Flatness <0,2mm
- Independently controlled heating zones
- Customized solution
- Vacuum tight flanges for electrical connection
- Semiconductor cleanness standard
- Material: Milled from cast aluminum





Evaporation and source heaters with Mineral Insulated Heating Cables





further examples of radiant vacuum heaters with mineral-insulated heating cables



ISOHEAT®

High Tech Engineering



ISOHEAT®

Your partner for electrical heating systems for many years

We develop and produce customer-specific electrical heating systems for industry and research.

The name ISOHEAT® stands for quality and competence.

Thanks to our decades of technical knowledge in electrical heating technology and more than 60 employees who specialise in solutions for industrial heating technology, we are convinced that we're the right partner for you.

Our customers' satisfaction and trust is based on the fact that we provide our services on time and to the agreed quality.

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