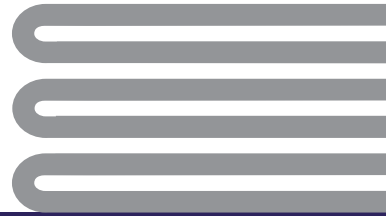




ISOHEAT®



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



ISOHEAT®

www.isoheat.de



The brand name for individual heating technology

Applications

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

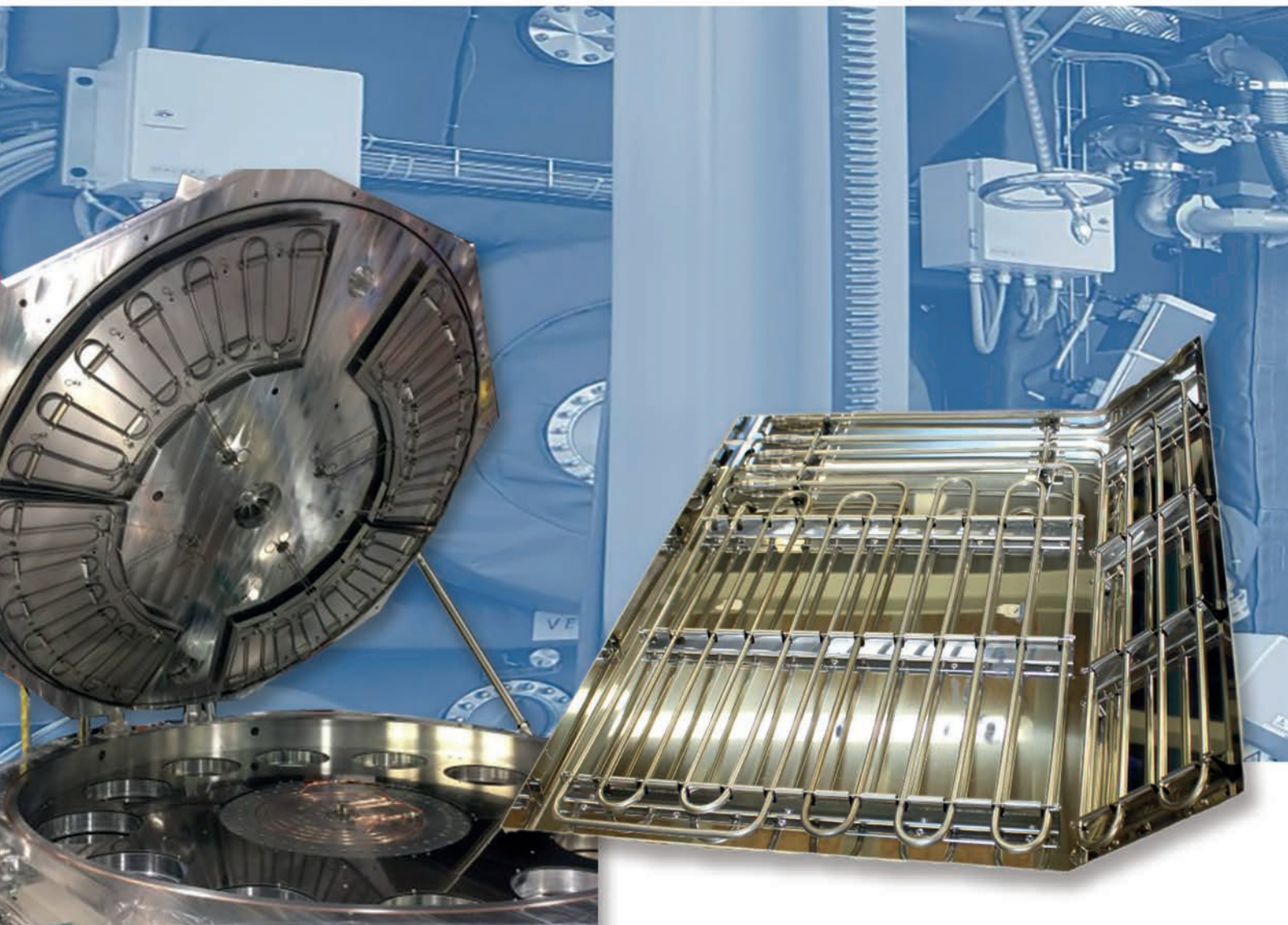
Based on:

CIS

CdTe

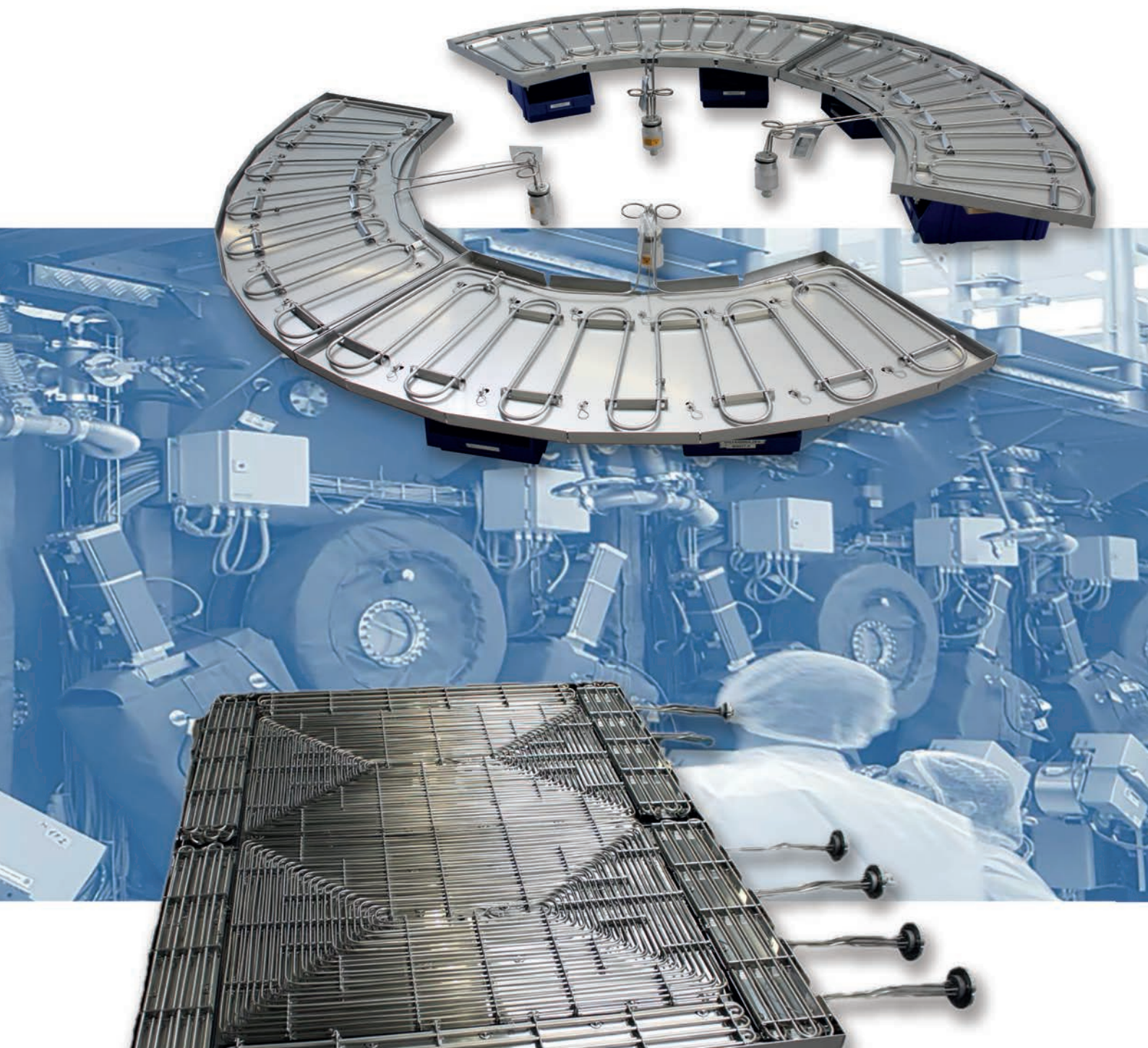
CIGS

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 cleanliness 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 cleanliness standard
- ➔ Material: Milled from cast aluminum



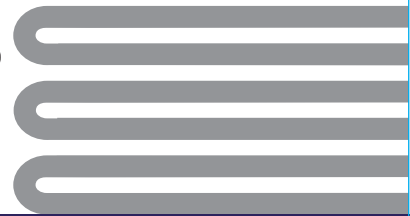
Evaporation and source heaters with Mineral Insulated Heating Cables



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



ISOHEAT®



High Tech Engineering

Contact us –
before every decision
information is available



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.



ISOHEAT GmbH
Großer Sand 4
D-76698 Ubstadt-Weiher

Tel.: +49 (0) 72 51 - 93247-0
Fax +49 (0) 72 51 - 93247-29
info@isoheat.de

www.isoheat.de