

ING. ERHARD FISCHER GMBH

# Precise thermal solutions for the semiconductor industry


ONE-PAGER

We develop and manufacture customized heating solutions for a variety of critical processes - from the initial idea to series production. Our expertise in integrating heating elements, sensor technology, and diverse fastening enables us to realize even highly complex requirements efficiently and with clarity.

We are your technical sparring partner.



// ADDRESS

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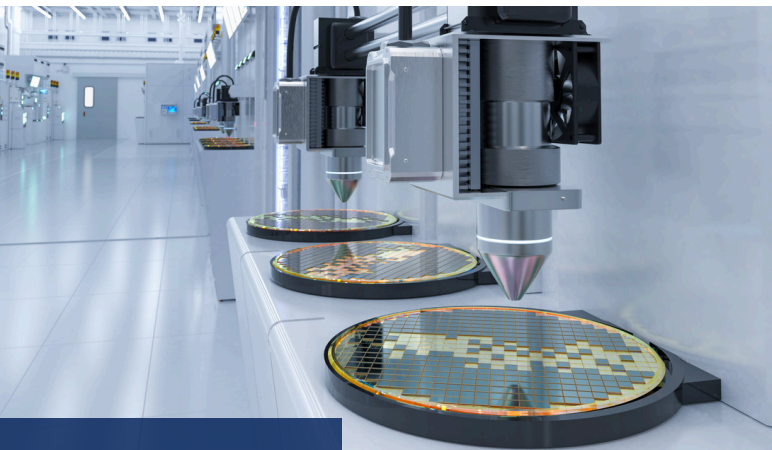
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FLEXIBLE HEATERS

# Key Applications

- **Precious gas delivery:** uniform heating of gas lines for ultra-pure gases, crucial for semiconductor production.
- **Chemical Etching:** consistent thermal control for precision and efficiency in etching.
- **Heated Paddles:** uniform heat for controlled temperature transfer to wafers, essential for lithography.
- **Burn-In Testing:** fast heat-up and precise temperature control for defect detection
- **Packaging:** precise thermal management for e.g. wire bonding and flip chip bonding.



// PROVEN KNOWLEDGE



1.000+ APPLICATIONS



ISO9001 CERTIFIED & MORE



QUICK PROTOTYPING



Valve heater cover:  
factory laminated  
Kapton heater



Wafer chuck heater



Polyimide flex circuit  
for cryogenic chamber



MICA heater for chucks  
in wafer production

## // The Possibilities

- Provide even heat distribution for consistent performance
- Design high watt density circuits up to 23.25W / cm<sup>2</sup> in for rapid heat-up and close control using sensors close to the work surface
- Achieve very low out-gassing for cleanroom environments
- Develop custom, multi-layer circuits to maximize heating area

## // Your Advantages

Your advantage with us as your sparring partner: We turn your project inquiry into structured, transparent and technically sound solutions - fast, precise and application-optimized.

- ✓ Professional coordination of your project inquiry
- ✓ Thinking ahead technically: We ask the relevant questions, from the idea to prototyping and series production
- ✓ Faster time-to-quote: through targeted briefing and a clear quotation phase
- ✓ Application-specific expertise: Benefit from 1,000+ successful implementations in various industry sectors

## // Industry Segments

- IC Manufacturing
- Semicond. Fabrication Plants
- Testing & Burn-in Facilities
- Research & Development Labs
- Stress Test Systems