

**Universe of heat treatment.**  
Hardening. Consulting. Contracting.



**Gerster** |

## Our knowledge for your tailor-made solutions.

As a company, Gerster has been active in the hardening and heat treatment sector since 1950. From a small company with only a few processes, the family business has continually grown into an established, medium-sized company with approximately one hundred employees and all current heat treatment processes. We apply our comprehensive knowledge to the heat treatment of your compo-

nents, in consultancy projects for process optimisation or in tailor-made solutions for your in- or outsourcing projects.

We work for our domestic and foreign customers in a wide range of industries such as mechanical engineering, hydraulics, drive technology, automotive industry, medical technology, aerospace, nuclear and food industry.



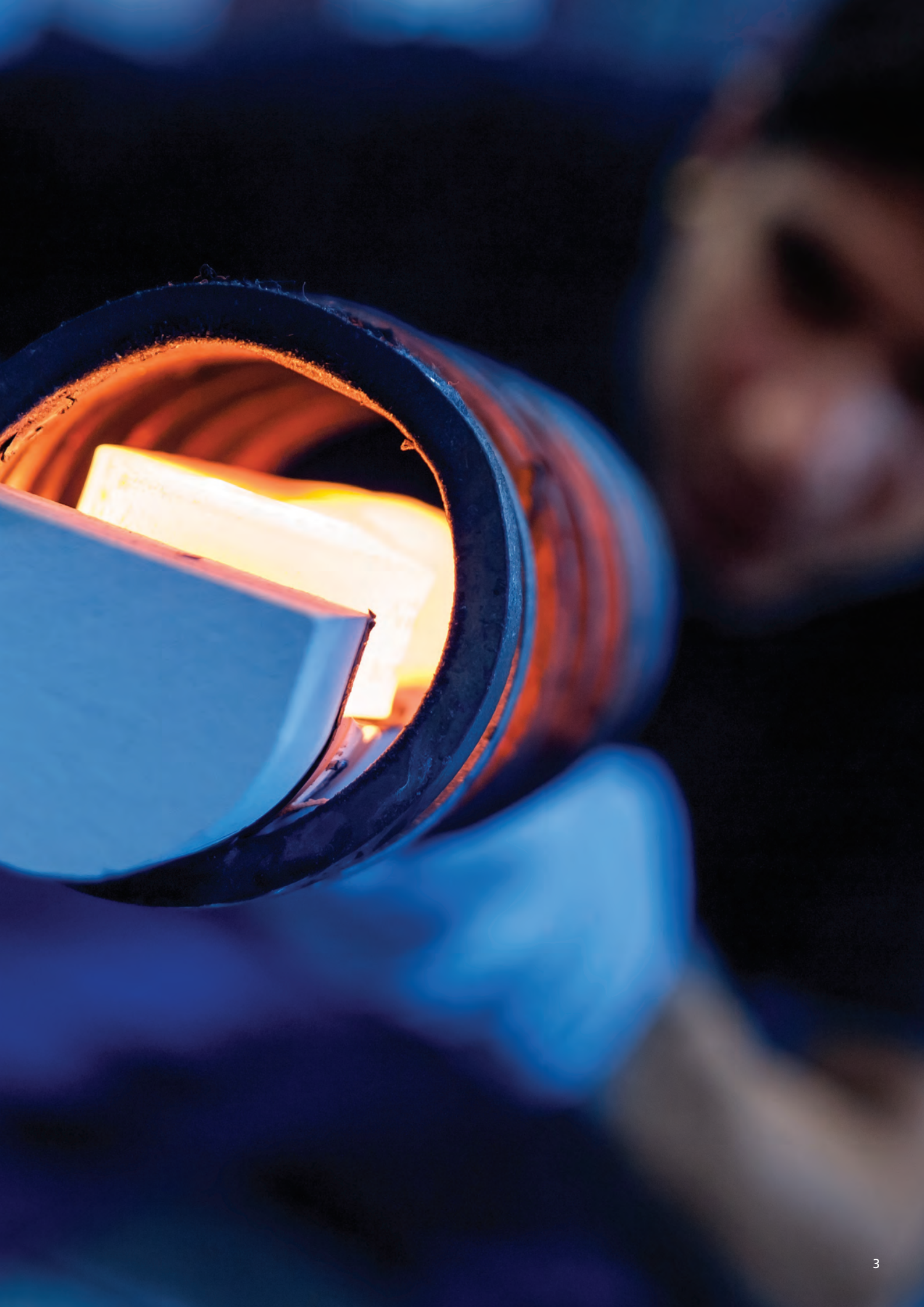
**Hardening.**



**Consulting.**



**Contracting.**

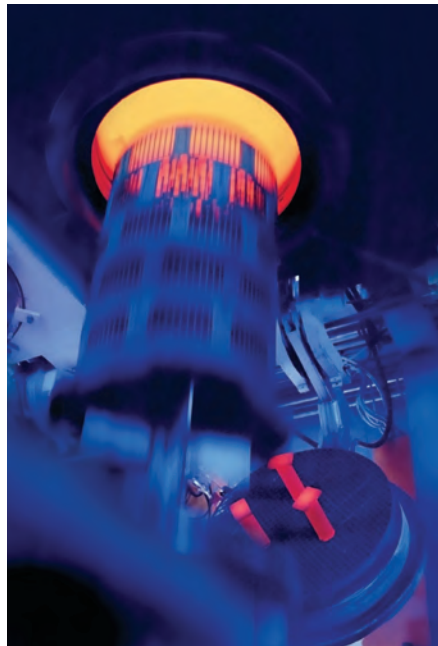
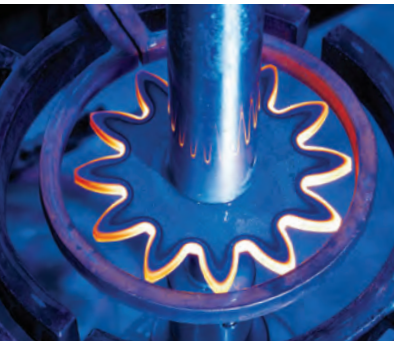


## Hardening.

### Our wide range of services for your needs.

Due to our wide range of services in the field of heat treatment processes, we can treat your parts tailored to their specific purpose to suit your individual needs. Our various certificates demonstrate that we know how to meet the relevant requirements for high quality in a targeted manner. In particular for the auto-

otive industry, medical technology, aerospace, mechanical engineering and other challenging industries. Thanks to over 100 different machines in a production area measuring 25,000 m<sup>2</sup>, both single and heavy parts as well as millions of small parts can be efficiently processed.



#### **Our range of services:**

##### **Process technologies**

- ▶ Surface hardening
  - ▷ Flame
  - ▷ Induction
  - ▷ Laser
- ▶ Furnace processes
  - ▷ Case hardening
  - ▷ Nitriding
  - ▷ HARD-INOX®
  - ▷ Boronising
  - ▷ Vacuum hardening
  - ▷ Hardening and tempering
  - ▷ Annealing
  - ▷ Precipitation hardening
- ▶ Brazing
  - ▷ Vacuum
  - ▷ Induction

##### **Logistic services**



## Consulting: Our knowledge for your competitive advantage.

Use our concentrated heat treatment and materials science knowledge for your market advantage. In larger product development projects, we assume the task of heat treatment and materials engineering and, with our knowledge, help your products to achieve higher quality.

Do not hesitate to contact us for assistance regarding your personal heat treatment processes including audits and validations. Thanks to our modern and versatile laboratory, the required quality control, analyses and examinations can also be carried out quickly.

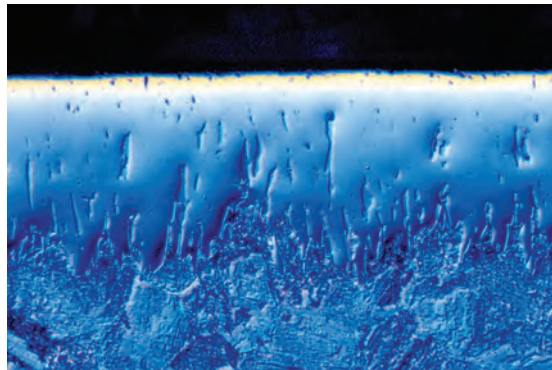


### Consulting services

- ▶ Design consulting
- ▶ Value-added process optimisation
- ▶ Expert opinions
- ▶ Validations
- ▶ Audits
- ▶ Process analyses
- ▶ QM consulting

### Laboratory services

- ▶ Metallographic examinations
- ▶ Damage inspections
- ▶ Hardness and crack detection testing
- ▶ Chemical analyses by spectroscopy
- ▶ Mechanical testing





## Contracting: Our expertise for your in- and outsourcing projects.

With tailor-made service packages, our specialists support you with your insourcing and outsourcing projects, from the assessment of your individual needs and requirements to subsequent tailor-made project management including evaluation of heat treatment equipment.

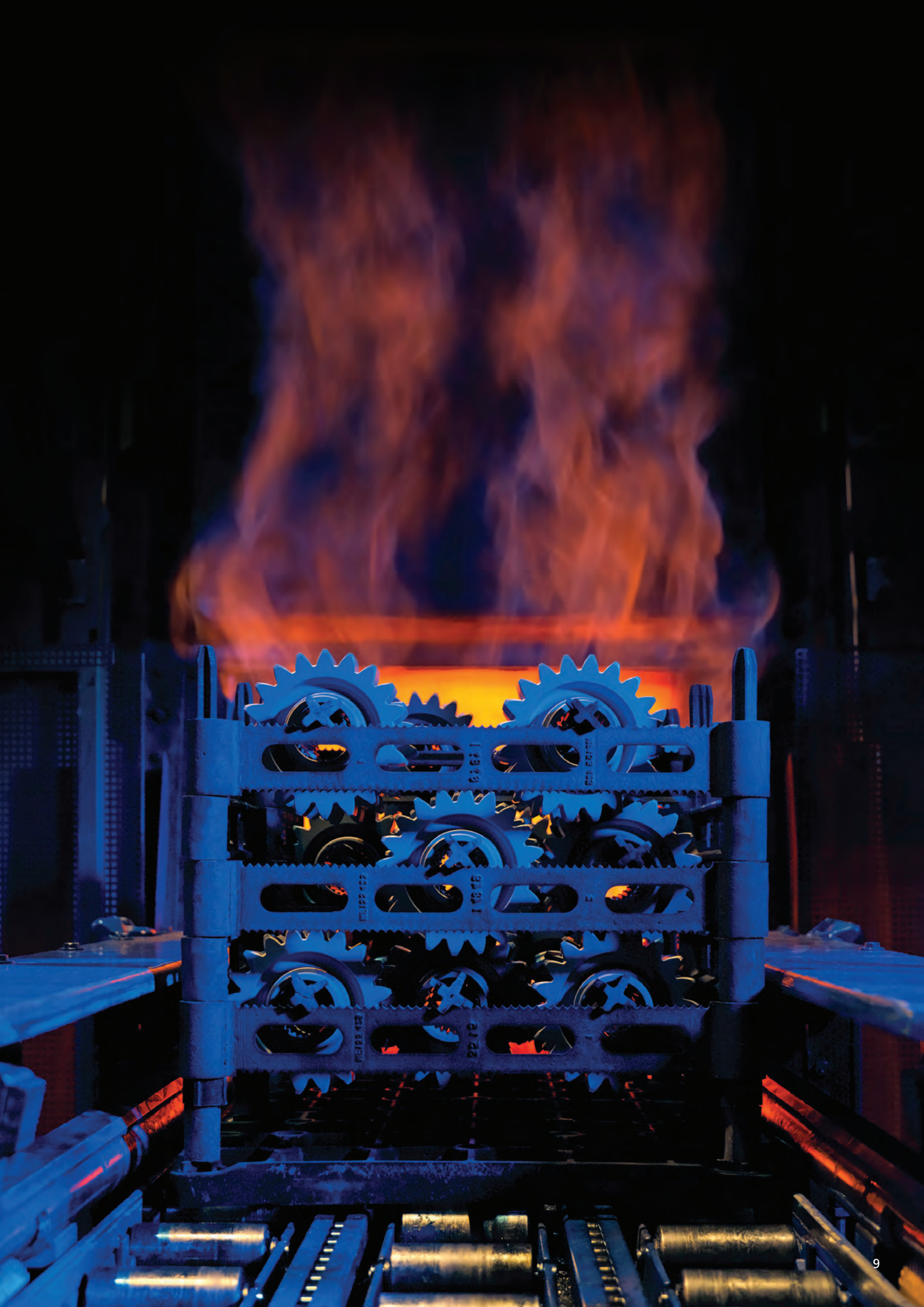
Furthermore, we will provide you with expert assistance and support during commissioning as well as process development. In addition, we provide services such as remote maintenance, support, emergency back-up and equipment operation.

### Service packages

- ▶ Evaluation and assessment
- ▶ Project management and engineering
- ▶ System specifications
- ▶ Supplier evaluation
- ▶ Factory and site acceptance testing
- ▶ Commissioning
- ▶ Training
- ▶ Support







## “Alpenblick” seminar centre: All our knowledge for you.

At our seminar centre «Alpenblick», we offer workshops and training sessions on heat treatment and materials science topics in rooms of various sizes.

For instance: The principles of heat treatment, design for heat treatment, use of stainless steels, fluctuations in raw material quality and their impact upon heat treatment. Furthermore, “Swiss Association for Heat Treatment (SVW)” course modules as well as mandatory apprenticeship training courses are held here.

Our premises are also available to our customers as well as interested professional associations and organisations.





[www.gerster.ch](http://www.gerster.ch)



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Quality management systems  
ISO 9001:2008  
ISO 14001:2004 Environment  
ISO/TS 16949:2009 Automotive  
ISO 13485:2003 Medical