

Top-quality thermal processing plants,  
system solutions and services

**Industrial furnace construction - MADE IN GERMANY**

**PURE HEAT TREATMENT**

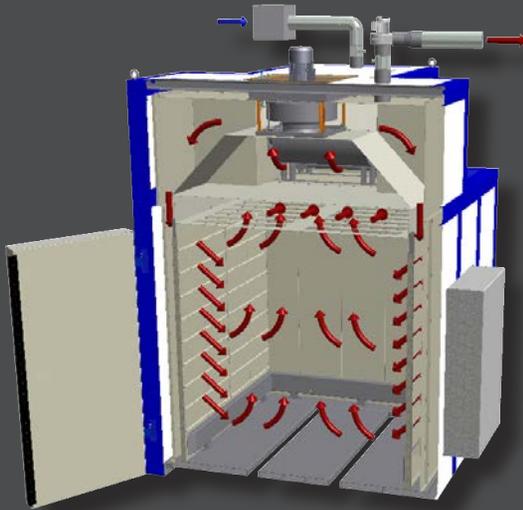
# PURE HEAT TREATMENT

## Airtec Thermoprocess GmbH

Passion for the essential: Your product in the thermal process!

Focus of our daily activities is the targeted thermal processing and **top-quality process** mapping of your **products - tailor made** to your demand.

Our **flexible air guidance systems** allow us to generate efficient thermal plants, perfectly fitting your specific needs. Result is **excellent temperature homogeneity** that grants **reproducible product features** and high productivity of your manufacturing process.



Example for the convection principle

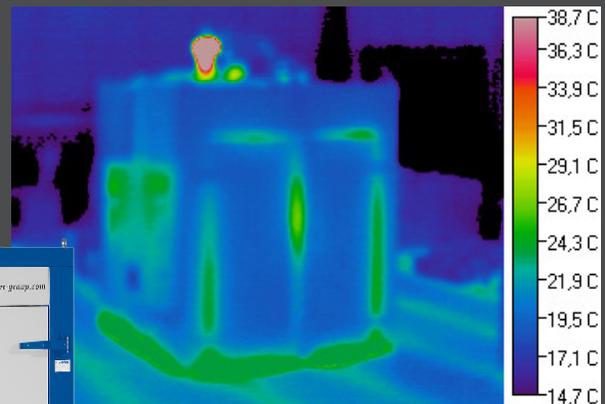
Adjacent schematic diagram shows a principle of convection. In the furnace chamber, a concurrent vertically and horizontally directed air flow is generated by individually adjustable air baffles, producing high intensity air circulation. The convection can be perfectly adapted to each customer product and ensures ideal heat input and short process duration.

### Energy efficiency

By using high-quality insulating systems an excellent thermal insulation is achieved. This guarantees **low energy costs** for years and ensures **constant cost savings**. The result of our **future-orientated technology** is a shorter payback period of your investment.

Adjacent thermal image shows a chamber furnace heated up to 200°C. The highest temperature on the outside is approx. 26°C at an ambient temperature of approx. 18°C.

Our concept of eliminating thermal bridges significantly **minimises thermal losses**.

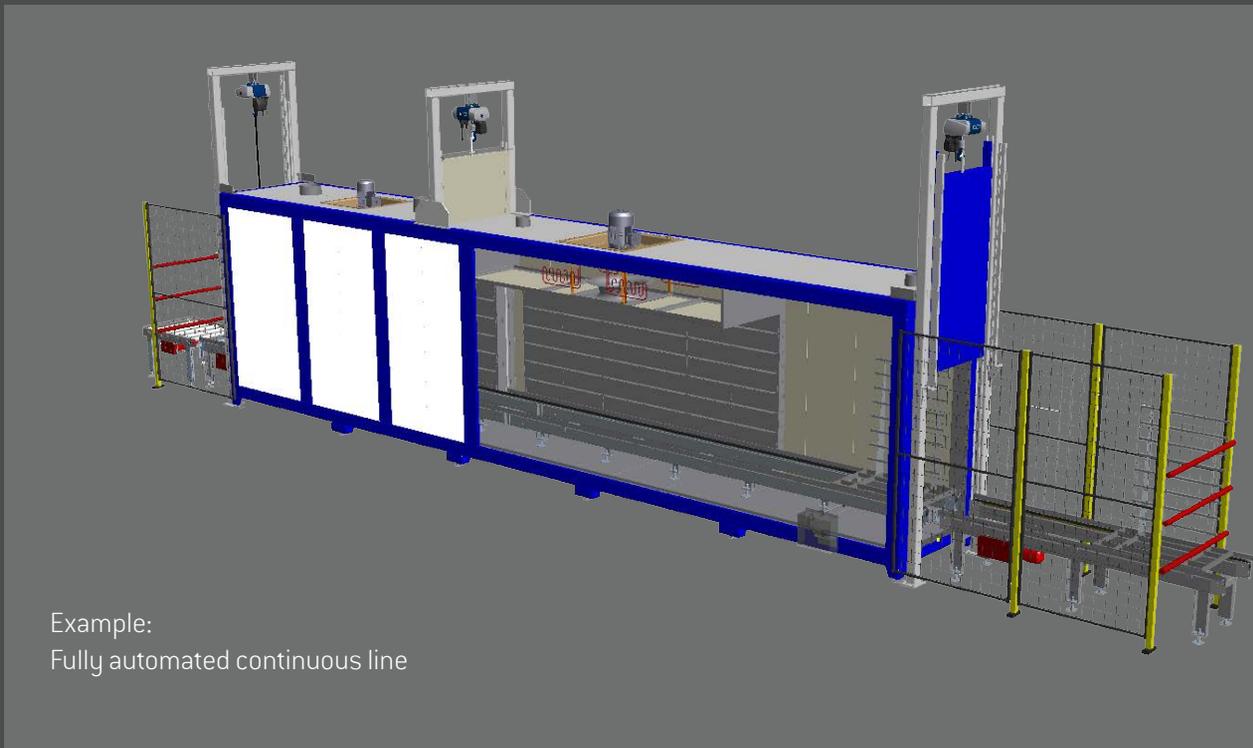


## Technologies for tailor-made solutions

For you and with you, we develop **comprehensive, tailor-made concepts and systems** for the thermal treatment of your sensitive parts and materials of various resources, including the necessary plant periphery such as heat recirculation or exhaust gas treatment.

Considering all important facts like economic efficiency, product quality, process and work safety, environmental protection and customer specific standards, we develop, manufacture and install state-of-the-art **industrial plants for all applications and industrial fields**.

Individually adapted to your specific needs, our plants are „**tailor made**“.



From planning to maintenance, you receive **full service** from a single source, all with outstanding **price-service ratio**.

Our comprehensive, modern machinery and experienced workers guarantee **excellent quality** of our plants. Our service oriented and flexible team manufactures every plant at our factory in Rhede, from the first design sketch to the last bolt.

We would be glad to advise and support you with your current thermal plant technology and bring your existing industrial furnaces up to date with the latest technology.

Airtec - your partner in intelligent thermal process technology.



[www.airtec-gmbh.com](http://www.airtec-gmbh.com)

**Airtec Thermoprocess GmbH**

Heinrich-Hertz-Str. 2  
46414 Rhede - Germany  
[info@airtec-gmbh.com](mailto:info@airtec-gmbh.com)

Tel.: +49(0)2872 94899-0  
Fax: +49(0)2872 94899-999  
[www.airtec-gmbh.com](http://www.airtec-gmbh.com)

