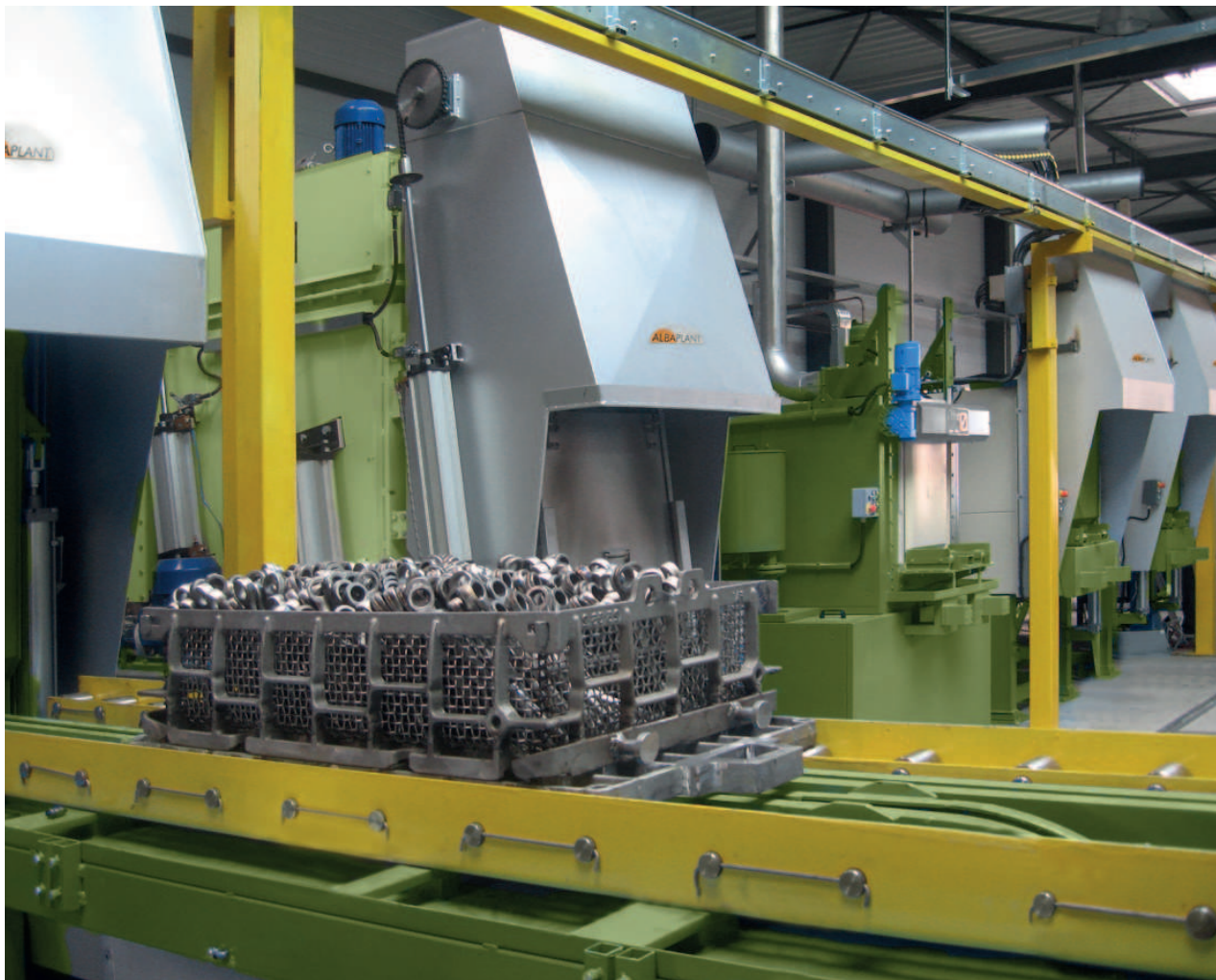




**INDUSTRIAL FURNACES & HEAT TREATMENT TECHNOLOGIES**



## **CASE HARDENING FURNACES**

THE SOLUTION OF QUALITY AND CONVENIENCE OF HARDENING WITH OVER 35 YEARS OF EXPERIENCE

ALBAPLANT produces case hardening furnaces with atmosphere control with high quality standards in a wide range of geometries and sizes for small to large volume applications.

#### TYPICAL APPLICATIONS INCLUDE:

- Case hardening and Austenitization
- Carbonitriding
- Quenching in oil
- Quenching in water and polymers
- Quenching in salt
- Electric heating and / or combustion

#### FEATURES:

- Engineering tests the result of decades of experience
- High reliability of the heating elements
- Atmosphere analysis system with automatic control
- Extinguishing in oil / polymers / salt or in a protective atmosphere
- Standard compliant emissions
- Remote assistance and remote surveillance

#### WHAT YOU GET:

- Repeatability and reliability of the process
- Immediacy in reading information
- Low and easy maintenance
- Possibility of customizing "in house" cycles

#### WITH OUR SUPPLY YOU WILL HAVE...

- Uniformity inside the chamber of  $\pm 6^\circ \text{C}$  or better.
- Process security.
- Traceability of parameters all recorded on PC.
- High level diagnostics.
- Our know-how for Case gardening, austenitization and carbonitriding processes, the result of experience gained in decades of activity in the sector made available to all our customers.
- Exclusive process regulation and control system, both for horizontal loading and top-loading pit furnaces.
- High level of construction and safety of the control panels.



#### THE CHOICE OF CONSTRUCTION GEOMETRY

The chamber furnace was born from the need to treat loads horizontally as an alternative to traditional pit furnaces, it is suitable for single installations but also in series for automatic lines that can be case hardening, austenitizing and carbonitriding, but also tempering and distension, with automated loading and unloading by shuttle.

The automatic treatment lines are also set up with preheating, washing and tempering units.

#### PLANT WITH TURNKEY SYSTEM

ALBAPLANT designs and manufactures plants and automatic lines with the turnkey system.

Our turnkey nitriding system is much more than a standard furnace with controls. It is an integrated system that starts from the evaluation with the customer of the best application in accordance with its production needs.

He then continues with on-site installation and commissioning, staff training, process tests and development of personalized recipes.

This integrated turnkey method offers superior quality and reliability year after year, while optimizing application performance and efficiency costs. To which are added our after sales services.

