

CFE

A COMPANY OF **ceba**



HEAT TREATMENT SOLUTIONS
FOR STEEL INDUSTRY



Mission: to be a world leader in combustion, offering the market innovative, customized and reliable solutions, focusing on energy saving and sustaining our development from a financial, social and environmental perspective.



COMPANY PROFILE

CEBA has been created more than 30 years ago with the aim to serve all the industries where the heating technology is the most important part of the process. Thanks to the strict cooperation with the worldwide main players in engineering and manufacturing CEBA is now one of the main well-known supplier of technological equipment for several applications. CEBA is structured to offer a complete service to the Customers, starting from the engineering and design of the technical solutions (also with the use of three dimensional software) to the commissioning and start-up of the machinery and equipment supplied. Specialized mechanical and electrical engineers plan and develop complete turnkey systems. SAMIA COMBUSTION was founded in 2006 as a spin-off of Samia a well-known company in Oil & Gas industry for the supply of process burners since more than 50 years.

In 2012 CEBA became the owner of SAMIA COMBUSTION, which is nowadays the sole company entitled to produce and sell burners and original spare parts with trademark and know-how Samia. In 2017, CEBA joined together with ESPATHERM, a French company involved in design and manufacture of furnaces for steel industry since more than 20 years, creating CEBA FRANCE ESPATHERM (CFE) and providing to all its Customer world-wide a trustable and reliable partner for heat treatment equipment.



RESEARCH AND DEVELOPMENT

Innovation, research and development play a key role in CEBA's policy, with the aim to keep the innovation continuously alive and supply every time the best technology to its Customers. The investment on the research concerns not only the design and manufacturing but also the testing area included in its facilities. CEBA boasts a test rig area where two test heaters are installed for test of burners and development of new combustion solutions.

CERTIFICATIONS AND STANDARDS

CEBA is certified ISO 9001: 2015, the latest issue of the international standard for Quality Management Systems, for providing assurance about the ability to satisfy quality requirements and to enhance Customer satisfaction in supplier-Customer relationships. The highly qualified staff and the control of the goods in all the phases of the production, grants CEBA to face the market only with very high quality products. CEBA is also qualified among the world's most distinguished Engineering and Contractor companies and the whole design of each

project is realized from basic to detailed engineering according to Customers' specification and international standards and directives.

CUSTOMER CARE

CEBA's services are extended also to after sales and spare parts. Actually CEBA assists the Customer during installation, commissioning, start-up, start-in production, maintenance. Moreover CEBA is always available to supply any spare parts either finding it on the market or producing it.

ENVIRONMENT AND ENERGY EFFICIENCY

One of the main goal of CEBA's production is the achievement of environmentally friendly solutions in order to minimize emissions and wastes. In this way, CEBA can assure a low impact on the environment and economical operation by offering products that comply with current environmental regulations. This view is also reflected on its workshop, where CEBA has adopted photovoltaic systems.

HEAT TREATMENT SOLUTIONS FOR STEEL INDUSTRY

Ceba France Espatherm (CFE) designs and produces in cooperation with CEBA a large variety of heat treatment furnaces for steel industry.

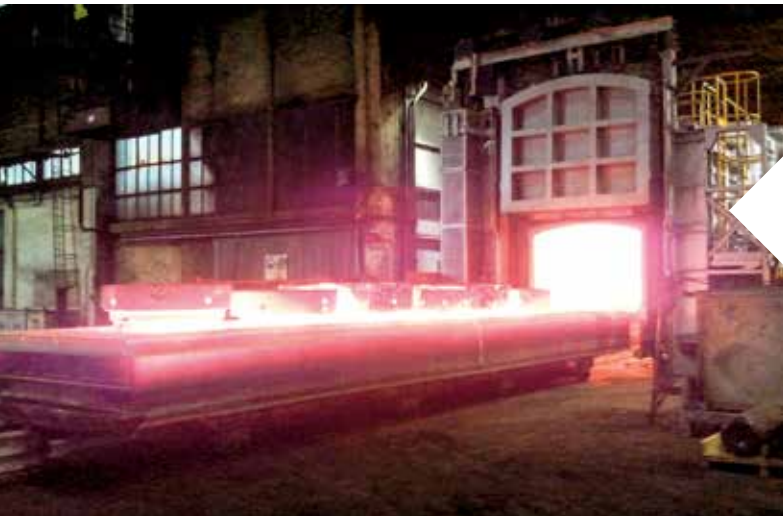
Thanks to their experience in the combustion field and metallurgical process, this partnership led to an improvement



of the existing products and to the development of new solutions in compliance with the latest requirements in terms of technology, efficiency and environmental impact.

CFE and CEBA can provide a complete turn-key system, following the process from the design to the after sales services and spare parts supply.

The accurate attention to Customer's need, the modular construction and the high specialization of engineers make CFE a reliable partner for heat treatment equipments.



BOGIE HEARTH FURNACE

Temperature: 600 ÷ 1250°C

Class 4 +/- 10°C according to AMS 2750

Thermal power: 4.500 kW

Internal dimensions: 11.000 x 2.000 x 1.500 mm

Maximum load: 50T

BOGIE HEARTH FURNACE

Temperature: 700 ÷ 1280°C

Class 2, +/- 6°C according to AMS 2750

Thermal power: 10.800 kW

Internal dimensions: 12.000 x 3.500 x 1.600 mm

Load: 200T

Burners type: regenerative with flox feature





BOGIE HEARTH FURNACES

Temperature: 350 ÷ 1.280°C
Class 4, +/- 10°C according to AMS 2750
Thermal power: 6.000 kW
Internal dimensions: 6.400 x 3.000 x 1.500 mm
Load: 90T
Burners type: regenerative with flox feature

FORGING FURNACE

Temperature: 1.050 ÷ 1.280°C
Class 5, +/- 14°C according to AMS 2750
Thermal power: 3.900 kW
Internal dimensions: 3.400 x 4.000 x 1.050 mm
Load: 30T



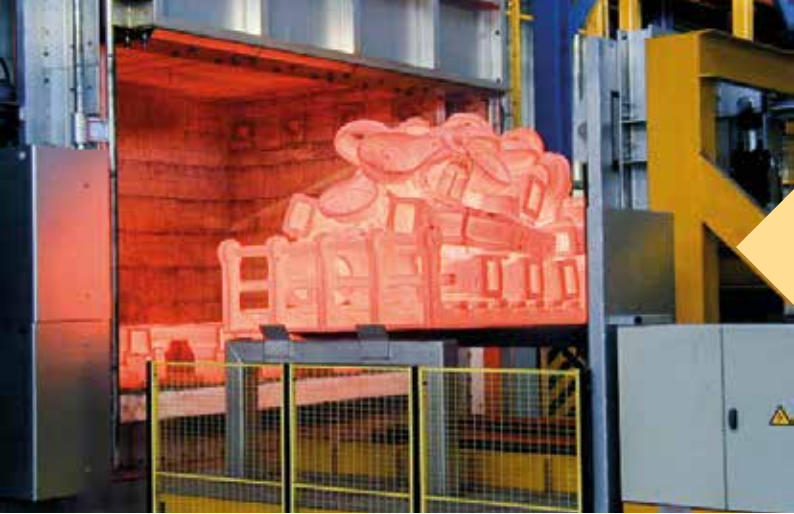
WALKING BEAM FURNACE WITH AUTOMATIC LOADING SYSTEM

Temperature: max 1.050°C
Thermal power: 4.680 kW
Useful internal volume: 9.010 x 7.200 x 400 mm
Internal dimensions: 50T
Burners type: autorecuperative with flox feature



ROTARY HEARTH FURNACE

Temperature: 500 ÷ 1.280°C
Class 4, +/- 10°C according to AMS 2750
Thermal Power: 1.500 kW
Internal dimensions: ø3.240 x 700 mm
Maximum load: 5T



FURNACE WITH SEMI-AUTOMATIC LOADING UNIT

Temperature: 200 ÷ 1.100°C
Class 2, +/- 6°C according to AMS 2750
Thermal Power: 1.160 kW
Internal dimensions: 2.350 x 3.310 x 2.430 mm



HEAT TREATMENT FURNACE WITH QUENCHING LINE (WATER AND OIL)

Temperature: 800 ÷ 1.120°C
Class 4, +/- 10°C according to AMS 2750
Thermal power: 2.300 kW
Internal dimensions: 8.000 x 1.250 x 900 mm
Maximum Load: 8T

ELECTRICAL HEAT TREATMENT FURNACE

Temperature: 880°C
Class 2, +/- 5°C according to AMS 2750
Thermal power: 300 kW
Internal dimensions: 1.300 x 1.400 x 8.500
Load: 1.250kg
Features: - electric resistances
- controlled atmosphere with nitrogen



ELECTRICAL HEAT TREATMENT FURNACE

Temperature: 600 ÷ 860°C
Class 2, +/- 5°C according to AMS 2750
Thermal power: 250 kW
Loading type: INOX and Nickel alloyed
Feature: electric resistances





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