Ferrostal Łabędy, Gliwice

20t/h steel reheating furnace, walking beam type

Customer: Piecoserwis, Gliwice, Poland
Main contractor: Piecoserwis, Gliwice, Poland
End user: Ferrostal Łabędy, Gliwice, Poland
ICS contribution: Main technology supplier based on HRS burners and HiTAC combustion technology
ICS reference: ICS001
Capacity: 20 t/h, 9.25 MW
Commissioning: March / April 2008

Description
Ferrostal is a steel reinforcement bar manufacturer belonging to Złomrex Group and located in South of Poland. Project covered revamping the reheating, walking beam furnace with a new combustion system. Revamped furnace is a part of bars production line where carbon steel is rolled. Investor’s expectations of lowering fuel consumption, improving product quality and boosting furnace throughput were met by HRS burner system.

Advantages
- capacity increase by 33% up to 20 t/h,
- fuel consumption reduction by 27%,
- product quality improvement,
- combustion process improvement.

Installation
The installation consists of five pairs of regenerative burners and three conventional burners used for cold start furnace heat up. All burners are natural gas fired. Designed furnace temperature is 1250°C.

ICS scope of supply
- 6 x HRS-DL4S – 1550 kW,
- 4 x HRS-DL5 – 2300 kW,
- burner fittings,
- pre-engineered combustion system,
- control system functionality description,
- detailed documentation of burner piping,
- detailed documentation of zone piping,
- engineering support at erection and commissioning.
ICS Sp. z o.o. is a license holder of HTB (High Temperature Burners) and HRS (High-cycle Regenerative Systems) technologies developed by Nippon Furnace Kogyo Ltd, Yokohama, 230-8666, Japan, website: www.furnace.co.jp

ICS应用报告

公司简介

ICS Industrial Combustion Systems mission is delivering proven, reliable, innovative combustion solutions to heavy industry customers throughout the Europe.

ICS’s offer includes:
- combustion systems for metallurgy as well as heat treatment for steel and non-ferrous metals industry,
- combustion systems for ceramic industry,
- combustion systems for petrochemical industry,
- waste gas incineration systems.

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