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ROHDE Schutzgasöfen GmbH/Härterei Reese Bochum GmbH.

New furnace builder ROHDE Schutzgasöfen GmbH near Frankfurt, Germany is sharing some details with us of a brand new pit carburizing furnace they are currently installing at Härterei Reese Bochum GmbH in Bochum, Germany.

The furnace is heated by recuperative gas burners with "additional" electrical heating and working dimensions of 5 m (16 feet) in diameter and 5.20 m (17 feet) deep with a maximum load of about 100 metric tons and total heating power of about 2 Megawatt.

The furnace is equipped with retort and batch support tables. The Process is carried out with endogas, 4 gas control devices for redundancy and fast atmosphere alternation.

The process control system was developed by ROHDE. The furnace is equipped with a gas analyzing system which retrieves gas samples at a number of points which are distributed on height and diameter of the furnace for further analysis.

Furthermore the furnace is equipped with two normal oxygen sensors in the cover plate. No circulation fan and no gas leading cylinder are used instead the multiple gassing and exhaust system are used for atmosphere uniformity.

The photo below (courtesy of Härterei Reese Bochum GmbH) shows the installed furnace with Mrs. Natasha Rohde and Mr. Jörn Rohde of ROHDE Schutzgasöfen GmbH standing beside it. Härterei Reese Bochum GmbH delivers heat treated parts around the world. September 29/2011

