

Heinz Glas Dzialdowo starts operation of new regenerative end-fired furnace

The company Heinz Glas Dzialdowo sp. Z o.o manufactures high-quality cosmetic bottles. Through extensive investments in all areas, the plant was repositioned to meet future requirements. The old recuperative melting plant with a melting capacity of 70 tpd – energetically, environmentally and in terms of efficiency no longer meeting the necessary standard – was replaced by a state-of-the-art SORG® end-fired furnace with a melting capacity of 150 tpd (with use of electricity expandable up to 180 tpd).

The SORG® end-fired furnace with STW working end is connected to six STF production lines, two of which equipped as SORG® coloring forehearths. The equipment for melting end and forehearths with SCADA system, including integrated cooling systems, was designed by SORG and corresponds to the latest technical standards. Regarding safety technology, the highest level according to DIN/EN 746-2 was implemented with redundant SORG® gas supply and safety control for melting end and forehearths. The new SORG® burner holders WSH, modular stirrers as well as the SORG CONTI-DRAIN® are also used.

The conversion of the furnace technology from a recuperative melting plant to a regenerative one meant a technology change. The completely different furnace concept required extensive construction measures as well as an intervention in the existing structure and was challenging for everyone involved. Thanks to the joint efforts of the employees of Heinz Glas Dzialdowo and the company SORG, the project was completed very successfully and on time. With the start of production, the glass quality met the high demands of Heinz Glas and the total energy consumption is lower than specified.

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