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HIGHER QUALITY AND IMPROVED ECONOMICS IN THE GLASS INDUSTRY

Kosta-Boda is famous throughout the world for the artistic excellence and technical quality of its crystal glass and crystal artware. Kosta-Boda traces its history back to the 18th century. An electrically heated feeder with Kanthal® Super molybdenum disilicide (MoSi₂) heating elements has been playing its part in maintaining the superb quality of Boda products.

THE CHALLENGE

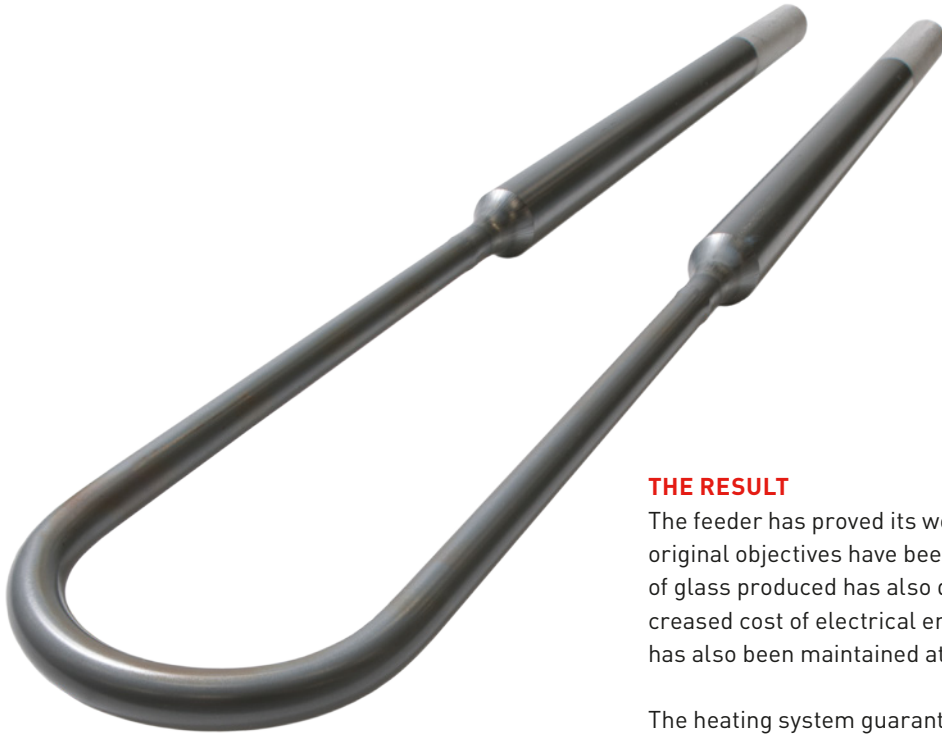
Kosta-Boda wanted to install a new feeder to be able to reduce energy costs, boost the yield and improve the working conditions.

THE SOLUTION

A feeder and forebays was installed and were heated by 111 Kanthal® Super elements. The total power is 350 kW, and the production capacity is three tonnes per day.

Kanthal Super MoSi₂ heating elements are monitored automatically by a computer that measures and records the temperature in several parts of the feeder and in the forebays.

Melting is carried out in an oil-heated tank furnace. The tank is connected to a feeder forehearth which has forebays.



THE RESULT

The feeder has proved its worth over the years. All of the original objectives have been met, and the cost per unit of glass produced has also dropped, in spite of the increased cost of electrical energy. The quality of the glass has also been maintained at a consistently high level.

The heating system guarantees temperature control that is as precise as it is simple. No stoppages in production, no combustion by-products to spoil the brilliance of the glass, and nothing to impair the efficiency and economy of production. The molten glass is maintained at uniform temperature and a consistent viscosity throughout.

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