

Large insulated glass panes for the Pforzheim Jewellery Museum



The manufacturer of large insulated glass panes (www.herzeglas.de) from Hörden in the Harz region of Germany ensured that the Pforzheim Jewellery Museum opened on time.

The Reuchlin house in the municipal garden was built between 1957 and 1961. It has been home to the Jewellery Museum, the Art and Art Industry Association of Pforzheim and the Reuchlin Research Centre since 1994. It is one of the noteworthy national achievements of the post-war modern age. In the 1950s, the architect, Manfred Lembruck, won the competitive tender for the construction of this house that was named after the humanist Johannes Reuchlin (1455-1522) who is considered one of the most important people to be born in Pforzheim.



One of the panes was broken by having a stone thrown at it, and was to be replaced with several smaller panes. The pioneer of large glass pane specialists, Dietmar Henze, was able to convince the mayor of Pforzheim, Alexander Uhlig, to choose to keep the original appearance and not to go for a break up of the glass surface. The slight change regarding the replacement of the glass concerns the use of an insulated glass pane, in keeping with the times.



In 2005, the year of the company anniversary, Dietmar Henze exhibited his symbol in a huge production hall to demonstrate that a new era had been entered in the manufacture of insulated glass panes.

Two 9 x 3 m large insulated panes were set up there to demonstrate the size at close quarters.



Henze Glas was responsible for the construction and installation of this large pane of insulated glass, measuring 8.91 x 2.95 m with double 10 mm float glass and weighing 1300 kg.

The large panes were cut by Henze Glas in their workshop in Hörden and put together as insulated glass on the Lenhardt insulated glass line. The safe handling of the large pane took place in the company with a unique, special large pane vacuum machine by the Lübeck based company, specialising in vacuum machines, Pannkoke Flachglastechnik GmbH (www.pannkoke.de), especially developed for such an application in accordance with EU safety standard EN 13155.



Henze Glas had already invested early on in the manufacture and handling of such large format panes, transformed its ideas for transportation into a suitable specially adapted vehicle, and presented the requirements to the supplier for the vacuum machine. The very high safety standards for Henze Glas always take the top priority. There was therefore no compromise so an investment was made in a two circuit vacuum machine straight away in accordance with safety standard EN 13155. Pannkoke is making its **Kombi 7201-CeDe** according to the individual wishes of the Henze Company.



With the Henze Glas special transport vehicle, the enormous insulated glass pane was transported to Pforzheim where it was guided precisely by remote control with an automatic crane and thanks to the Pannkoke special vacuum machine **Kombi 7201 CeDe** to the inner courtyard of the building where it was secured into place in the open building structure.



After 2 hours, the heavy assembly work had been completed with the help of 15 employees.

Despite driving snow and cold, the Henze Glas specialist managed to execute this task on time with a large press and public attendance.

The owner Dietmar Henze could therefore notch up another milestone in the large glass pane business.

Data and facts:

Glass supplier:

Float glass by Guardian raw glass measurement 9 x 3.21 m 10 mm thick

Processors:

Henze Glas GmbH

www.henzeglas.de

Herzberg/Hörden:

- Glass cut to 8.91 x 2.95 m - 10mm in thickness
- Production of the insulated glass pane on a Lenhardt production line.
- Handling in the company using large glass pane vacuum machines by Pannkoke Flachglastechnik GmbH www.pannkoke.de
- Transport with special vehicle from the Henze vehicle fleet
- Construction glazing with 2 circuit vacuum machine by Pannkoke Flachglastechnik GmbH www.pannkoke.de



Mr. Henze would like to point out clearly that he only works with equipment from reliable partners, such as Pannkoke Flachglastechnik GmbH when dealing with any work requiring high safety standards.