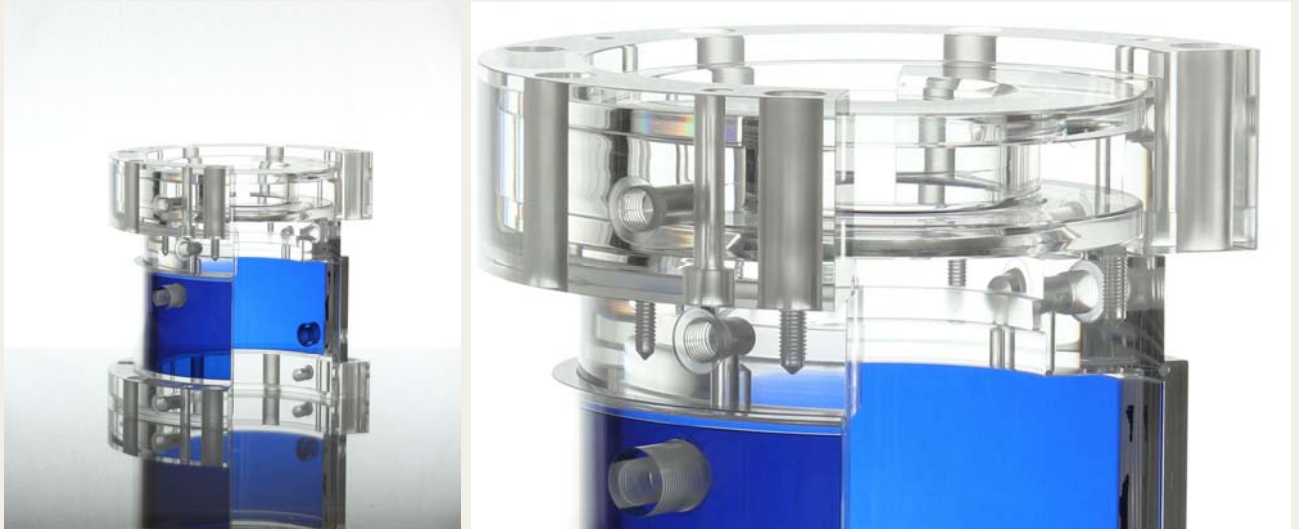


Reference

PLEXIGLAS®

Model of a technical component



Market segment

Industry and safety

Products

PLEXIGLAS® GS Block, thickness 200 mm

Fabricator

Schäfer Kunststofftechnik GmbH
www.schaefer-vollendet.de

Customer

Ekato ESD GmbH

Selection criteria

The challenge for this component was the high precision with which the model was to be produced, at the customer's request, to correspond as closely as possible to the original (metal) component used. During processing, the prevention of stress cracking, which could arise from the processing method used or the component geometry, is critically important.

Description of the application

Model of a technical component of Ekato ESD GmbH used in industrial plants.

This is a model of a water jacket that sheaths a large shaft in industrial plants, thus sealing and simultaneously cooling the shaft.

The product is made mainly of PLEXIGLAS® GS Block with a thickness of 200 mm. The use of PLEXIGLAS® allows the customer to view the functioning of the component due to the transparency of the material.

Various CNC turning and machining techniques were used in combination here and a number of individual components were then bonded together in high optical quality. All surfaces of the model had to be polished to a high gloss.

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