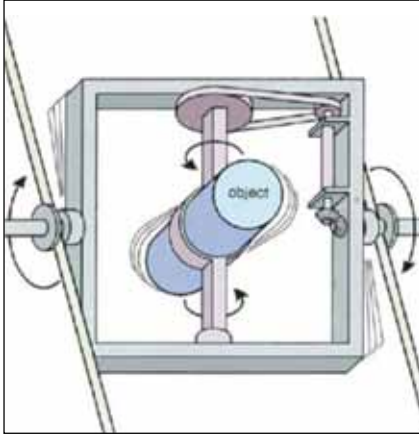


ETFE ROTOMOULDING



ALMARC ENGINEERING PTE LTD Singapore works closely with EHRI BV of Netherlands in providing ETFE Rotomoulding services to its customer in this region. The main advantage of Rotomoulding is that it is a seamless lining without welding joints.

The EHRI Process

The computer-controlled machine developed by rotomoulding EHRI is a significant improvement in the standard rotomoulding lining for ETFE. The development is centered around a special computer controlled machine tool that is able to ensure an even temperature of about 430° C to generate. The object is clamped in a holder which rotates around two axes. More objects of a different size or shape can be processed at the same time. The object is then subjected to a certain rotary motion, and a specific temperature profile for the entire duration of the process. A special computer controls and monitors the entire process. The input data and the individual stages of the processing are extensively documented. This documentation also allows a comparison between the setpoints and actual values for all individual items. A significantly larger number of processing stages can be performed using the computer, in comparison with the manual operation of other methods. The EHRI method can be used for any shape and complexity. Therefore, a uniform coating to be achieved without any problems on the eccentric components, such as adapters, fitting pieces, branching, curved pieces, pumps and valves, flow meters, and on with a size of 2.30 x 2.30 meter.



Processing of ETFE

ETFE is a fluorine-based high performance coating that is designed to provide high resistance to corrosion.

ETFE has a very high melting point with further excellent chemical and electrical properties. Also, ETFE is at operating temperature (from -185 to 150° C) are used in full vacuum because of the excellent adhesion to the wall of the coated piece.

The tensile strength of ETFE is 42N/mm (6100 psi). For 30 years EHRI processed ETFE include in the product flow meters, pump houses, bends and tees. In all that time showed that the product of very great value in many branches of industry.

Additionally, the firm EHRI has the production of the above components on critical areas ETFE perfected. So far no company has yet to know the quality approach adopted by both branches of EHRI is delivered.

