

Heavy load transport: a new 85-ton autoclave for the Siershahn factory



To be able to manufacture much larger components using composite materials, SCHÜTZ COMPOSITES has invested in a SCHOLZ autoclave. The logistically challenging delivery was carried out as a heavy load transport, partly over land and partly on water.

The new autoclave has a capacity of 240 cubic meters. It will primarily be used to produce heavy-duty fibre-plastic composite components for sailing applications, such as hydrofoils. Another application will be to manufacture aerospace components from prepreg laminates, where the laminate layers of the components are pressed under high pressure in the autoclave. The component is evacuated to remove trapped air and process gases. The prepregs are cured at temperatures of up to 250 °C to produce structural components of the highest quality.

The new installation further extends SCHÜTZ's manufacturing capabilities for innovative composites at the Siershahn site, where there is already a large-scale autoclave with a capacity of 84 cubic metres.

NEW HOT-AIR AUTOCLAVE – TECHNICAL DATA:

Load diameter:	4.5 m
Load length:	10.0 m
Operating pressure:	10 bar
Operating temperature:	250 °C
Weight:	approx. 85 t

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