

□ **Solid expertise  
in technical blow  
moulding**

Over 40 years of dedication  
to the automotive industry

□ **Understanding  
the Customers'  
expectations**

We share the Customers'  
solution-seeking drive

□ **Accountability,  
commitment,  
flexibility**

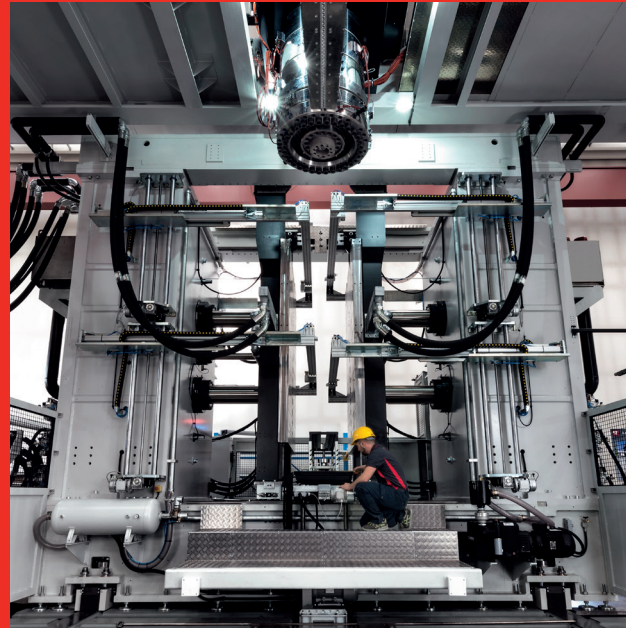
We take up the challenge of  
our Customers' goals

□ **No compromise  
in design and  
manufacturing quality**

We strive for our Customers'  
business success

□ **Global presence,  
proximity to  
Customers**

Local service in Europe, North  
America and Asia



# Moving Forward, by Your Side

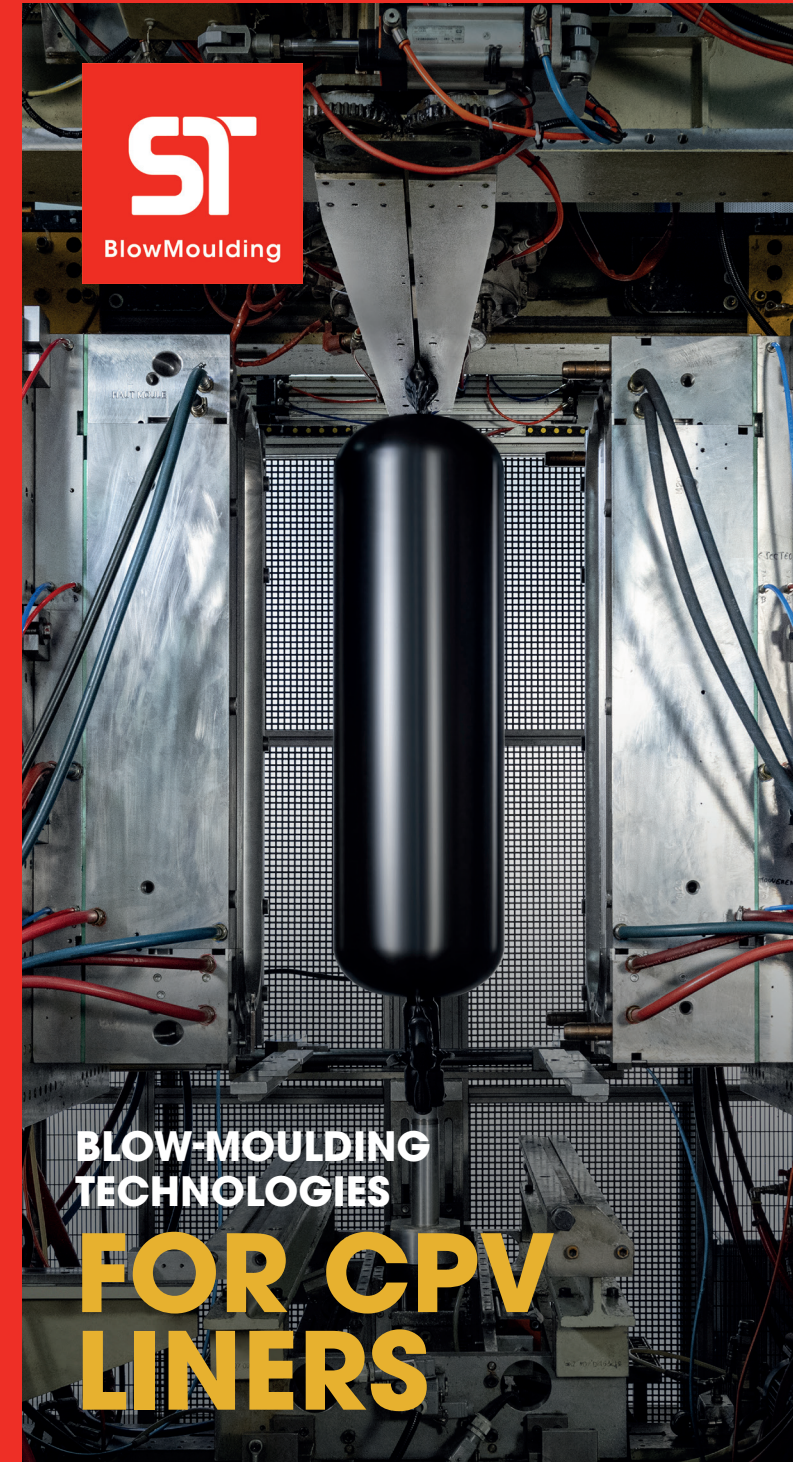
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**BLOW-MOULDING  
TECHNOLOGIES**

**FOR CPV  
LINERS**

# TOWARDS ZERO EMISSIONS AND CLEAN MOBILITY.

**Reducing to zero the Green House Gases emission is the challenge of the automotive industry in the years to come.**

Internal combustion engines powered by Compressed Natural Gas are a step forward, fuel cell vehicles powered by hydrogen will be the final solution for the next decades.

CNG and H<sub>2</sub> require high pressures to ensure reasonable driving range: Composite Pressure Vessels – plastic liners wrapped by carbon fibers – provide the mechanical strength to withstand the internal pressure (up to 70 MPa) and the lightness required by the installation on vehicles.

**Composite Pressure Vessels are also the perfect solution for the LPG portable cylinders: they are lighter and safer than the common steel cylinders.**

**EXTRUSION-BLOW MOULDING IS THE MOST EFFICIENT TECHNOLOGY TO GET COMPLETE LINERS FOR COMPOSITE PRESSURE VESSELS IN A SINGLE PROCESS: MUCH FASTER THAN ROTATIONAL MOULDING, MUCH SIMPLER THAN INJECTION MOULDING AND WELDING.**



**HDPE  
PA6  
PA11**

**70  
MPa**

**LPG  
CNG  
H<sub>2</sub>**

ST BlowMoulding has been designing and manufacturing blow moulding machines for technical applications since 1980.

Continuous developments and exclusive dedication have made our company a world leader of the extrusion-blow moulding technology.

We partner with leading companies of filament winding technology, world-class raw material suppliers and highly qualified consultants to provide complete manufacturing solutions.

**ST BlowMoulding is the technological partner of excellence for the liners blow moulding.**