

Our services

We support our customers throughout the entire journey, from the initial idea to the fine-tuning of the product and the production process.

01

Product design & development

Product design and development.

02

Product prototyping / samplings

Creation of prototypes and samples.

03

Product testing for certification

Product testing aimed at certification.

04

Pre - series and samplings supply

Supply of pre-series and samples.

05

Manufacturing process: project layout and management

Layout and project management of the production process.

Technical support and industrialization:

The team provides expertise in product and process design, technical support and management of the development and industrialization phases. Consulting and start-up activities are aimed at achieving robust, repeatable processes suited to production.



- Over 250 machines installed worldwide.
- Over 30 years of experience in plastics and composite materials technology.
- Expertise in product design and production development.
- Technical consulting and start-up support available worldwide.
- Fields of application ranging from pressurized water to pressurized gas storage for LPG, CNG, biogas and hydrogen.

COMPOSITE PRESSURE VESSELS Type IV

MANUFACTURING MACHINERY & SERVICES



Our products

Our production technologies are dedicated to manufacturing composite containers and tanks for water, gas and pressure system applications.



Filtration Systems

Water applications:

- Water filters
- Tanks for water softeners and mineral salts
- Water heaters



Technical and breathing gases:

- Cylinders for breathing gases



Gas for domestic and outdoor use:

- Containers for fuel gas intended for home cooking and outdoor use

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Gas for mobility:

- Trains
- Buses
- Trucks
- Cars



Transport, refuelling and storage:

- CPV solutions for transport, refuelling and storage
- Cylinders for technical gases



Note:

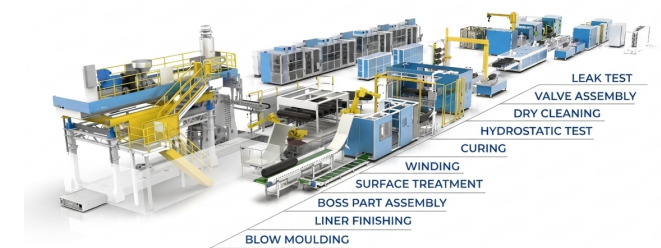
the range also includes medium-to-large tanks and cylinders, up to 700 bar working pressure, depending on the configuration and application.

Our machines and technologies

Aumatech machines are designed to support the production of composite containers and cylinders and to manage the main stages of the process, with solutions customized to the product application.

PRODUCTION LINE

for composite pressure vessels manufacturing



Technology / area	Function and application
Production line	Production line for composite containers, with a configuration dedicated to the product and the required cycle.
Winding / processing equipment	Machinery for processing and manufacturing composite structures.
Welding units	Welding units equipped with pressure, force and position controls.
High - pressure testing	Pressure testing equipment, with measurement and verification of product performance.
Water & direct-expansion testing	Water and direct-expansion testing solutions for high-pressure applications.