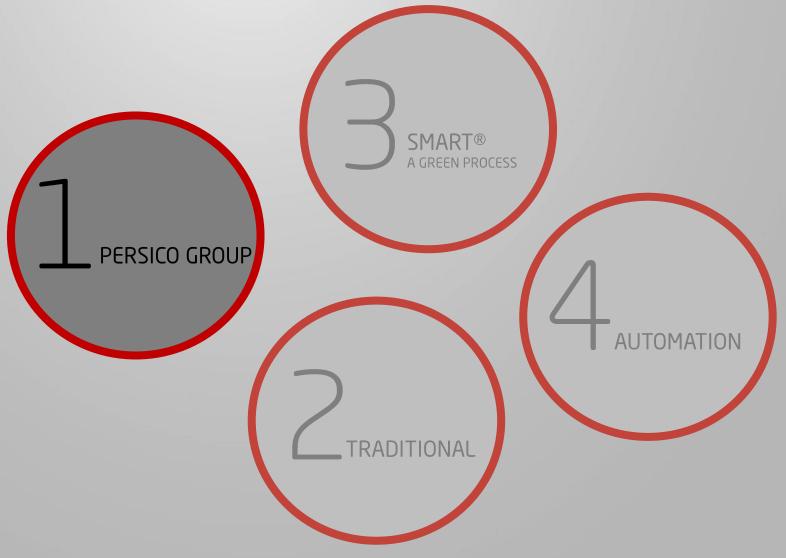


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GLOBAL FOOTPRINT

Since **1976**Family Company

Nembro (BG), Italy Headquarter

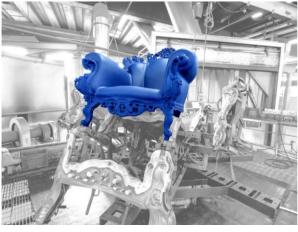
850 Persico Group's employees

231,000,000.00 €Persico Group's turnover Year 2023

71,500 sqmPersico Group's buildings worldwide



Persico provides a **complete range of services**: from concept to design, engineering and manufacturing of tools, presses, robotic cells, equipment, lines & turnkey solutions for the production of:

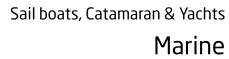


Interior & exterior vehicle parts **Automotive**

Hollow plastic parts
Rotational Technology



Reflectors, Telescopes
Aerospace







COMPANY POLICY

- Labor & Human Rights
- Green sustainability
- Renewable energies

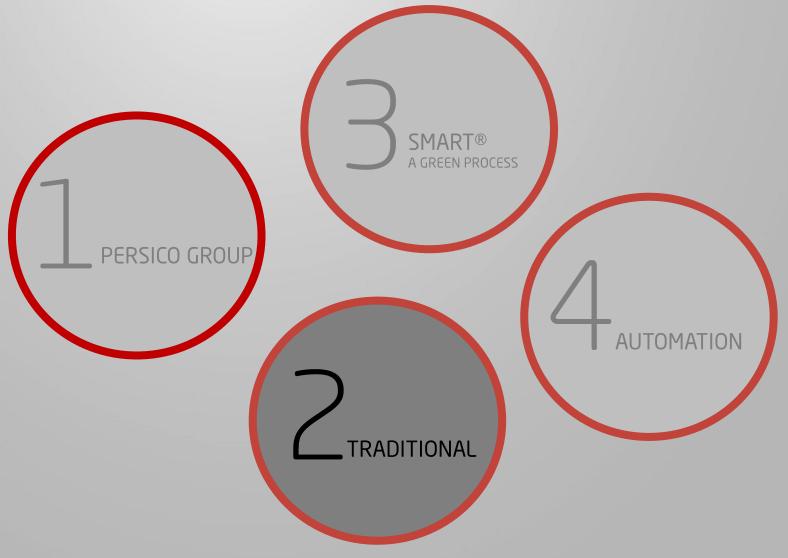








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PERSICO ROTOMOULDING TECHNOLOGY



TRADITIONAL ROTOMOULDING TOOLS

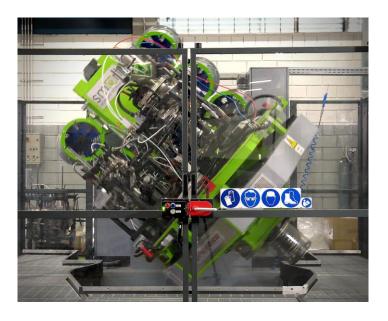
- Cast tools
- CNC tools
- Special finishes:

Cast wood effect; Machined weave effect; CNC fine detail; Laser etched tool; Mirror finish; Textures



DTH - ELECTRICALLY HEATED MOULDS

- Heating elements up to 48 programmable zones
- Temperature control inside & outside
- Vacuum
- Nitrogen
- Pressurization
- · Venting and internal cooling
- Multilayer easy management



SMART® MACHINE

- · Compact moulding cell
- · High productivity
- Minimal operator input
- Low energy consumption
- Minimum downtime
- Integrated cooling
- Robot interaction

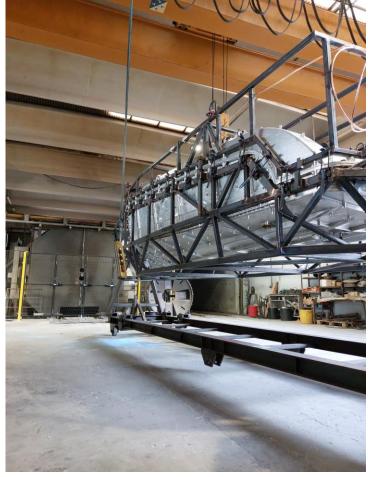


HIGH-END BOAT 5,5*2*1,2 M WITH ELECTRIC MOTOR





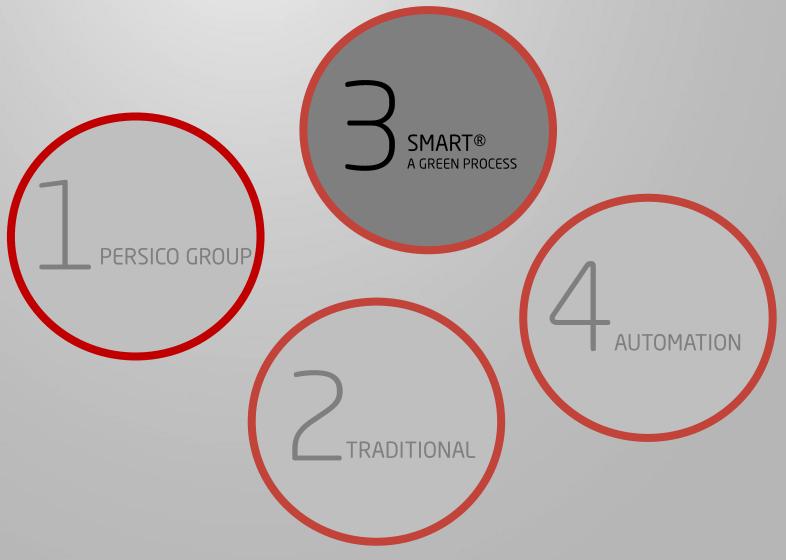








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SMART®: A GREEN PROCESS



ENERGY SAVINGS

up to 40% (depending on product geometry, material, energy cost, etc.): heat is supplied only to the mould

REDUCED WEIGHT OF THE MOLDED PART AND LESS RAW MATERIAL USED

up to 20% (depending on product geometry, material, energy cost, etc.) due to better wall thickness control and so less raw material used

SHORTER HEATING CYCLE PROCESS

Since the mould temperature can be increased rapidly

PROCESS REPEATABILITY

Scrap reduction

WIDE RANGE OF PROCESSED MATERIALS

PA11, PE, XLPE, Polypropylene, Nylon (liquid and powder), Polycarbonate, EVOH, PEEK, Water soluble (PVA or PVOH)

AUTOMATION

Possibility to synchronize human and robot's skill sets





WATER-SOLUBLE CORES FOR HYDROGEN TANKS & CARBON HOLLOW PARTS

Requirement

Creating **hydrogen tanks** without liners inside & **carbon hollow parts**

Material PVOH

Process

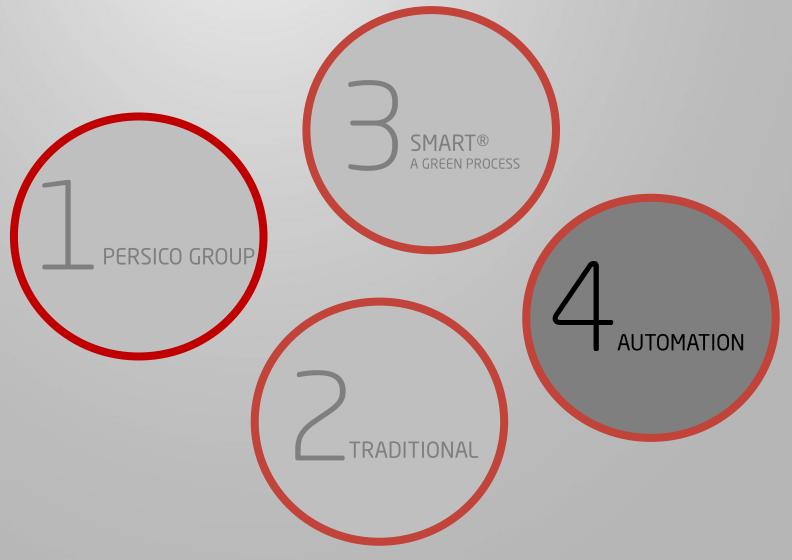
- 1. Rotational moulding of the core part
- 2. Carbon fibre plies layup over the core
- 3. Core + plies are positioned in the composite mould
- 4. Composite curing (the core can be inflated during this process to compact the composite). Can be autoclave or low-pressure RTM
- Core wash out with water or hot water (faster)



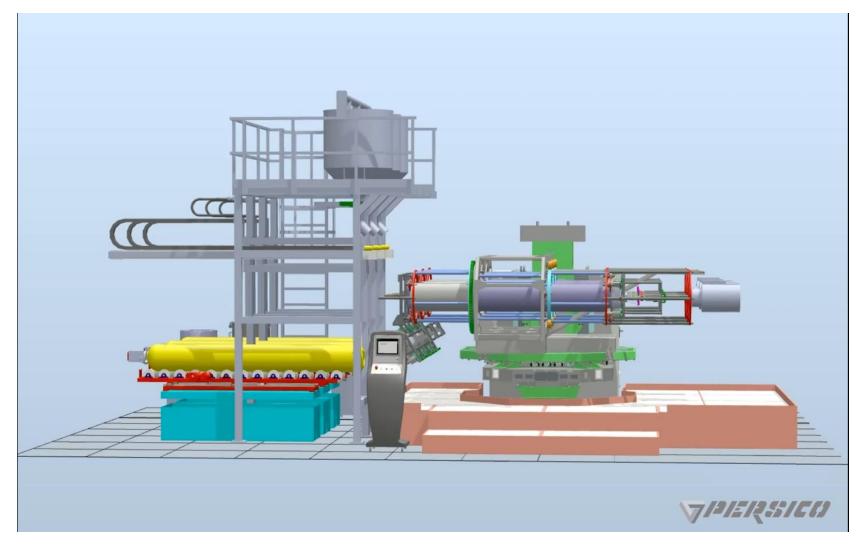




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HYDROGEN & AUTOMATION

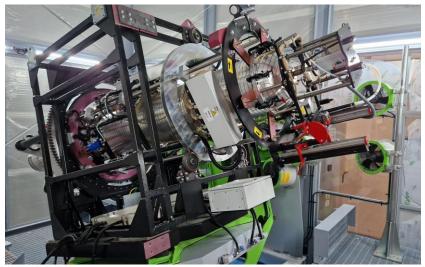


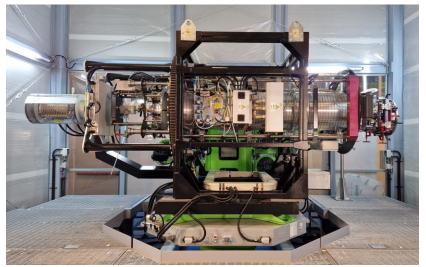


HYDROGEN & AUTOMATION











AUTOMATION & TRADITIONAL PROCESS

Persico is further developing automation systems for conventional rotomoulding machines



Powder loading view from A Mold unloading

AUTOMATION & TRADITIONAL PROCESS

Persico is further developing automation systems for conventional rotomoulding machines **to speed up**:

- loading and unloading of spiders on the machine arm
- spider/tool opening and closing
- powder loading
- plastic product releasing





"The greatest threat to our planet is the belief that someone else will save it."

Robert Swan, Author and Explorer







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