



ROTOGLOBE 
SRL

Your Projects
Our Products

The art of
Rotational
Moulding





Company | About us

Italian company specialized in the production of hollow plastic products using rotational moulding technology and a mindset based on the continuous evolution. Management team with **30 years of experience** to ensure the quality of the entire production chain:

From the design to the creation of the mould; from prototyping to mass production.

A team of **30 people** with distinctive department specializations, coming from different countries and cultures, which enriches us professionally and humanly united by a single mission:

To resolve each production demand.

We are convinced that the **mass production of plastic rotomoulded parts** must meet high quality standards, respect of delivery times, the environment and the customer's needs.

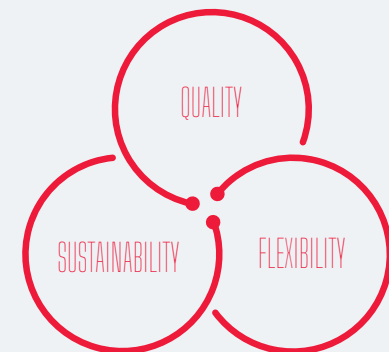
Each Rotoglobe product complies with **European Quality Certification**.

Polyethylene products are food approved and drinkable compliant (**WRAS, KTW - W270 - 2002/72/EC**), recyclable, regenerable and reusable, made through rotational moulding, **low environmental**

impact, without direct contact between flames and powders.

We work in accordance with the European Directive 2023/2006 (**Good manufacturing practice**) and we homologate our fuel tanks produced with Cross link polyethylene or polyamide, according with **ISO21487** and **ADR** with external certified institutes.

A PARTNER
MADE IN ITALY
VALUABLE, WITH VALUES



One technology Thousand solutions

Rotational moulding technology makes it possible to produce hollow plastic products **without joints**, with **high mechanical resistance**.



MOULDS



MARINE



CAMPER



RAILWAY



INDUSTRIAL CLEANING



AUTOMOTIVE



AGRICULTURE/
EARTHMOVING

WASTE REDUCTION

The plastic material is evenly distributed inside the mould, there is less material waste than other manufacturing processes.

REDUCED PRODUCTION COSTS

Compared to other processes, rotational moulding can be more cost-effective for the production of large parts or with particular shapes.

DESIGN VERSATILITY

This process allows the creation of complex shapes of various thicknesses.

REDUCED EQUIPMENT INVESTMENT

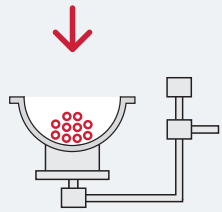
The moulds required for rotational moulding productions have a **lower economic impact** compared to other technologies.

FLEXIBLE PRODUCTION

It can be used to produce both small and large volume batches of parts.

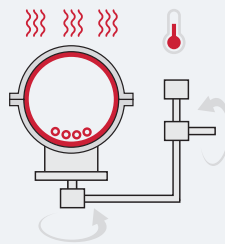


How it works



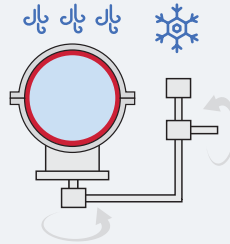
01

The **micronized powder raw material**, previously dosed, is introduced into a **mould**, specially made of steel or aluminium, which is installed on an arm of the **rotational plant**.



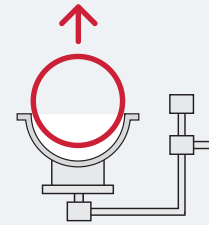
02

Rotating on two axes, the mould enters the dedicated oven where the heat melts the raw material which, thanks to the rotational movement, **adheres uniformly to the walls** of the module.



03

Thanks to a control system that coordinates all the phases, we move to the **air cooling** phase, keeping the mould rotating and offering the best quality standards in terms of **resistance** and **homogeneity**.

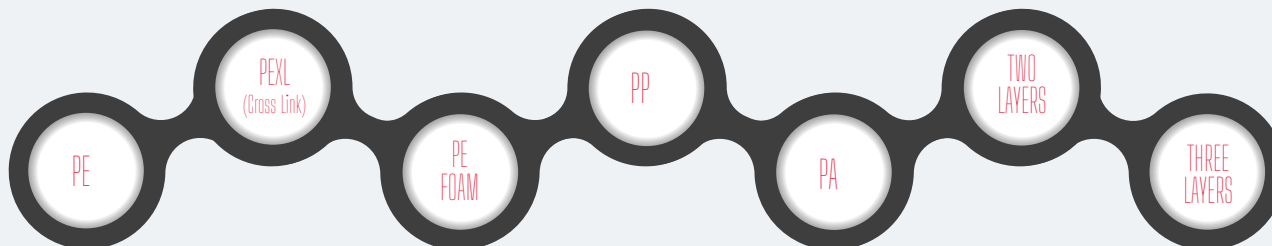


04

The components of the mould are opened and the **product is extracted** to be sent to the quality control, customization and testing phases and then sent to the customer.

Starting from a minimum thickness of 3 mm, our products can reach a spherical diameter of 2.500 mm and 3.500 mm.

Raw Materials | We produce in different materials



Customization

- Any **coloring** thanks to the mass pigmentation of the raw material
- Different **textures** and **roughness** directly through the moulds
- **Mirror polishing** directly in the mould or through flaming
- **Metal elements** co-moulded synergically with the product
- Post-moulding processing and **accessory assembly**

Production Process | How we work

With a collaborative and flexible approach, we are committed to excellence and innovation on a daily basis to become more than a supplier, but a reference partner, **reliable** and able to offer advice and concrete solutions.

DESIGN

Supporting the customer in co-design, preventive tests with **three-dimensional modeler** and **auxiliary software**; study on the **raw materials** to be used and creation of **prototypes** and three-dimensional models with **3D printers**.

01

PRODUCT MANUFACTURING

Through an accurate **control system**, we guarantee the best production yields for the rotoformed product and assign to it a unique **serial number**.

03

TEST

Completed products are tested; according to the customer's specifications, different checks will be applied, such as the creation of the **CE certificate** or dimensional checks by means of 3D scanners; 100% of Rotoglobe's production is subjected to **controlled pneumatic** verification for the integrity of the tanks to guarantee watertightness.

05



02

MOULDS CREATION

A technical **bill of materials** is defined and the **steel sheet** moulds are made in the internal workshop, or through first-level partners for what concern **cast aluminium** moulds or **CNC milling** moulds from solid aluminium blocks.



04

FINISHING

The rotoformed product will be completed, with the **assembly** of all the **accessories** and the execution of all the technical and aesthetic processes listed on the **processing sheets**, whether they are molding, finishing, testing, packaging and on the product bills of materials.



06

DELIVERY

Once the tests have been passed, the rotoformed products are **labelled** and packed using automatic machinery, combined with delivery documents and transferred to the **storage area** before being shipped to the customer.





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If you've made it this far,
All it takes is one click
LET'S GET TO KNOW EACH OTHER



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