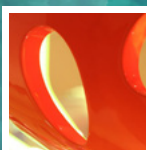


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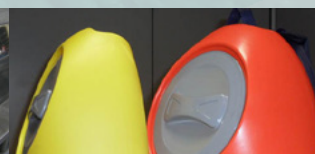
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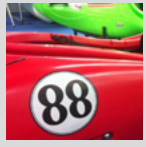
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# Introduction

## Rotational moulding and the marine industry



■ Thanks to the potential offered by rotational moulding, over the past few years a growing range of industrial plastic products dedicated to the marine industry have been developed: boats, boat furniture, tanks, containers, buoys, floats, aquatic playground equipment and water platforms are just some examples of the numerous rotational moulding applications for use in the boating sector.

The rotational moulding technology allows to produce big-sized articles of very complex geometry, in a wide range of surface finishes and marked by low weight due to low wall thickness. Rotational moulding is a low-impact technology since neither chemical solvents nor polluting agents are used. According to the complexity of the final products and to the number of pieces to be produced, the moulds for marine applications are made using die casting, computer numerical control machining or sheet metal processing.



## Kayak

Dragorossi

■ Dragorossi is a well recognizable brand among kayak manufacturers, thanks to its range of products featuring unique design and high quality standards. The wide range of Dragorossi kayaks goes from the simplest playboats to the most reliable creek boats. All our kayaks are rotomoulded using HDTP. Thanks to the special properties of this polymer we are able to provide our kayaks with the stiffness typical of a blow-moulded product and the impact strength typical of a cross-linked product with no limits in terms of shape complexity

Link: [www.dragorossi.it](http://www.dragorossi.it)



## Moulds for marine industry

Lanulfi

■ Lanulfi, a mould-making company founded by the Lanulfi brothers Lino and Ferdinando in 1981, has grown quickly over the years thanks to its ongoing investment in human resources and technology while acquiring considerable experience and professional competence in the marine industry. Lanulfi presently cooperates with the most important national and European manufacturers of boat parts and accessories besides producing articles for use in other industrial sectors.

At Lanulfi we are able to build partnership relationships - from designing through prototyping to mould manufacturing and pre-series production - aimed at foreseeing and solving the problems that may arise over time.

Link: [www.lanulfi.com](http://www.lanulfi.com)



## Marina Point

Rototec

■ The marine service pillar Marina Point by Rototec is a compact and versatile unit for supplying power and water, for giving information, warning messages and other data in marinas, rest areas and camp grounds.

The pillar has been designed to be user-friendly allowing easy and safe access at any time of the day.

The outer LLDPE cover is a rotomoulded monobloc product that guarantees high impact strength, high resistance to sun radiation, to chemical agents and to salt attack. The outer cover can be manufactured in a wide range of colors.

Link: [www.rototec.it](http://www.rototec.it)



## Pedal Boat H2O

Eurotank

■ H2O is the only pedal boat manufactured in Europe using the "3-layer ultra light" technology that makes the boat extremely tough and stiff as well as surprisingly lightweight thanks to the 3 layers of polyethylene. Since it is a polyethylene monobloc product internally foamed according to EC standards, the H2O pedal boat is 100% unsinkable. All materials used for manufacturing H2O are 100% recyclable.

High design standards combined with the rotational moulding technology allow some pedal boat parts like handrails and handles to be co-moulded so as to guarantee better tightness and impermeability as well as almost zero ordinary maintenance. The "3-layer ultra light" polyethylene used for manufacturing H2O features excellent impact strength and resistance to abrasion.

Link: [ww.eurotank.it](http://ww.eurotank.it)



## Jolly Trunks

Telcom

■ Developed for protecting goods against impact, dust, bad weather and tampering, Jolly trunks can also be easily handled, moved and stacked.

Jolly trunks are rotomoulded using recyclable, non-toxic polymers that make them suitable for storing food and resistant to both very low and very high temperatures (-60°C/+ 80°C). They are also acid resistant, they resist to mildew/moss attack and can be washed using common detergents. Since Jolly trunks are manufactured in a wide range of sizes and colors, they satisfy almost all customer requirements from the applications in the marine industry, in the world of sports and in interior design to the transport of different types of goods.

Link: [www.telcomitalia.eu](http://www.telcomitalia.eu)



## Kayak

Rainbow

■ Thanks to twenty-year experience in manufacturing high-performance, technologically advanced kayaks made of polyethylene, Rainbow has become one of the leading brands in Europe. Rainbow range of products includes a complete series of sea kayaks, canoes, sit-on-top kayaks, touring kayaks, whitewater kayaks and surf kayaks as well as many other products.

Our kayaks are rotomoulded using PE of different density, cross-linked PE and PP. Moreover new technologies have been developed such as the three-layer rotomoulding process (also called sandwich) where a three-layer structure (PE, foaming agent, PE) is produced guaranteeing a remarkable reduction in the weight of the finished products as well as a dramatic increase in their stiffness. A technologically advanced system for injecting polyurethane foam has also been developed.

Link: [www.rainbowkayaks.com](http://www.rainbowkayaks.com)



## Moulds for Marine Industry

Boca



■ Boca is a leading manufacturer of aluminium moulds, steel moulds and prototype composite moulds for rotational moulding.

Thanks to our cooperation with the most important manufacturers of rotational moulding machines, at Boca we are able to make custom-sized moulds and to position them correctly thus ensuring their maximum performance in the machine.

Boca provides dedicated technical assistance in mould design and fine-tuning while offering the possibility to develop special equipment for optimizing the characteristics and performance of customer's production plants.

Link: [www.bocarotomoulding.eu](http://www.bocarotomoulding.eu)



## Marine Industry Products

Moulding Service



■ Moulding Service, founded in 1999 thanks to the brilliant intuition of a group of partners, is a dynamic, innovative company where thirty-year experience in rotational moulding combines with highly qualified technical skills. Rotational moulding is a technological process which allows to make hollow parts in one piece with no welding.

It is possible to make complicated shapes and big-sized items with uniform wall thickness and no internal stresses. Rotational moulding achieves a broad range of surface finishes allowing various types of inserts to be co-moulded. Thanks to the possibility of using a wide range of polymers and to the versatility of this technology, it can be applied to a multitude of sectors such as the marine industry and containers for liquids.










Link: [www.mouldingservice.it](http://www.mouldingservice.it)



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