

Rotational Who

*Leading companies of the
rotational moulding world*

An initiative promoted by



An evolving company

More than thirty years of passion and determination have contributed to the growth of a dynamic and flexible company specialising in the production of micronised polymers for rotational moulding and the development of smart materials.

To be a point of reference for our customers in the field of rotational moulding by offering the very best solutions and meeting their needs in terms of special and quality materials.

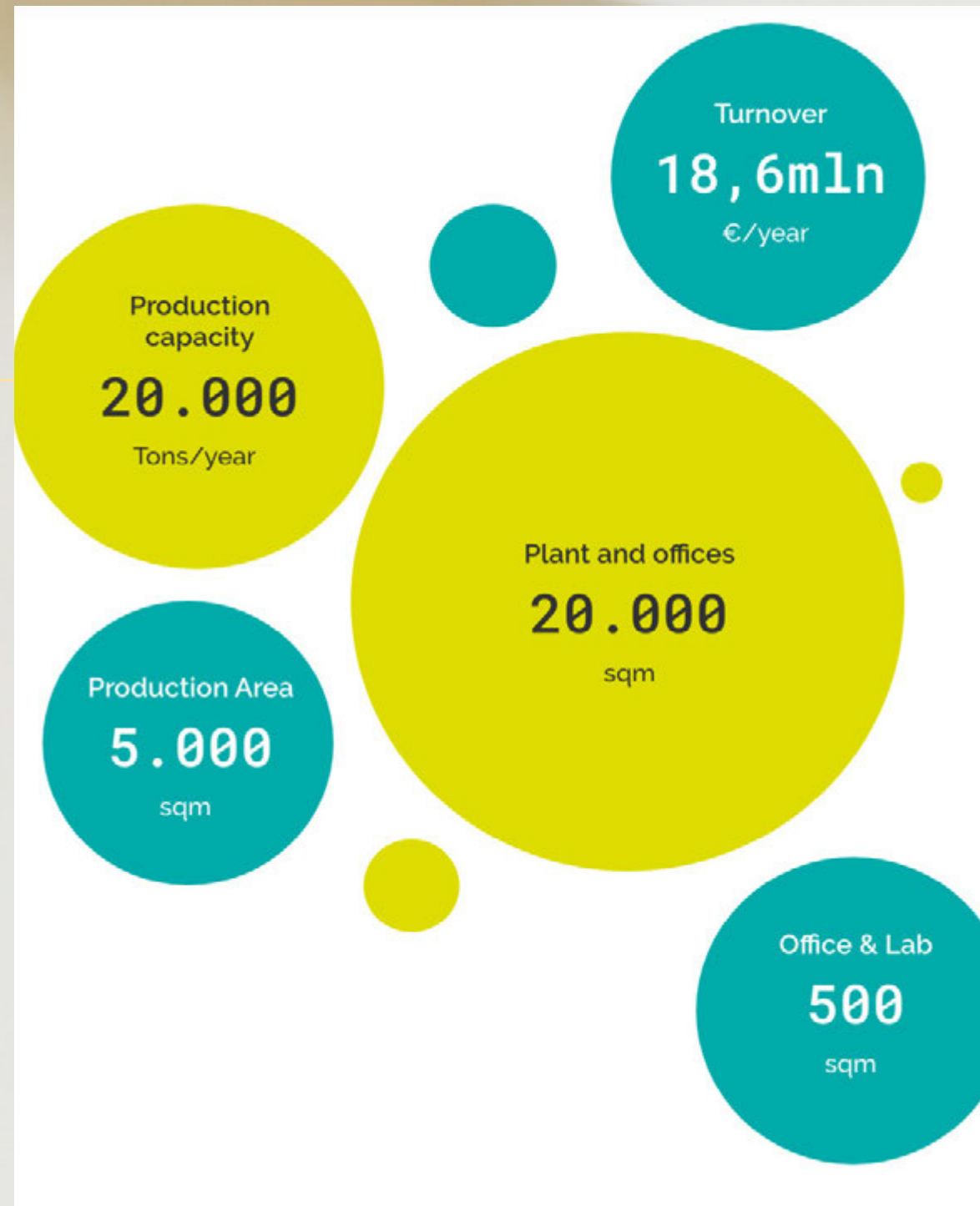
Leave no stone unturned in our study and design of new, advanced materials, with a forward-looking approach in terms of environmental sustainability.

The future of the plastics business will be increasingly oriented towards values linked to environmental sustainability. We are committed to the constant research for new technologies which emphasise, globally, the importance of the protection of the health of humanity as well as of the planet.



The numbers of an excellence

The progressive development of Gerbaldo Polimeri has led to a doubling of its production structure and the expansion of the applied chemistry department dedicated to the development of smart materials.



Presence in Europe

Gerbaldo Polimeri is present on the European market through its Italian office and a series of offices located in key countries such as Poland, Portugal and Slovenia.



Polymers for Rotational Moulding

Microlex

MICROLEX denotes excellent quality standard products, easy to process and applicable to a wide range of finished products..

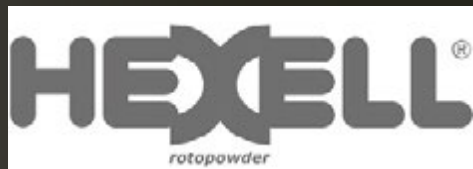
MICROLEX



Polymers for Rotational Moulding

Hexell

HEXELL is our line of special premium products offering performance suitable for the varied range of our customers' projects, with features including: flame retardant, high resilience, high resistance to chemical agents, elastomers, crosslinking.



Polymers for Rotational Moulding

Geco

GECO is our brand which identifies a unique and unrivalled technology, exclusive to the European market.

GECO is a line of products based on Ecoallene®, a patented and certified material derived from the recycling of poly laminate food packaging (PCR post-consumer recycled).



EcoAllene® based powder technology



Applications

Agriculture

Fertilisers and pesticides require mixing and storage before being taken directly to the field.

Reservoirs, tanks and sprayer tanks for this sector must have very high resistance to dynamic stresses in order to guarantee a long lifespan.

Leading products of reference for this type of market are HEXELL AG 335 and HEXELL AG 393, which ensure the performance required for such heavy use: maximum resistance to mechanical stress resistance to the aggression of surfactants used in the formulations of agro-pharmaceutical products and fertilisers resistance to oxidation due to exposure to solar radiation and extreme weather conditions.



Applications

Tanks Grades

The MICROLEX line with MFI from 3.5 to 4.8 is used for medium and large-sized tanks for drinking water, for the collection of rainwater and wastewater, and water reservoirs for fire-fighting systems.

Two basic esene products, the MICROLEX RM 4450 C6 for large tanks and the MICROLEX RM 1242 C6, also suitable for vertical tanks.

MICROLEX RM 1242 WT butene with MFI 4, which ensures good mechanical resistance.

MICROLEX RM 1235, when maximum rigidity and high density are required.

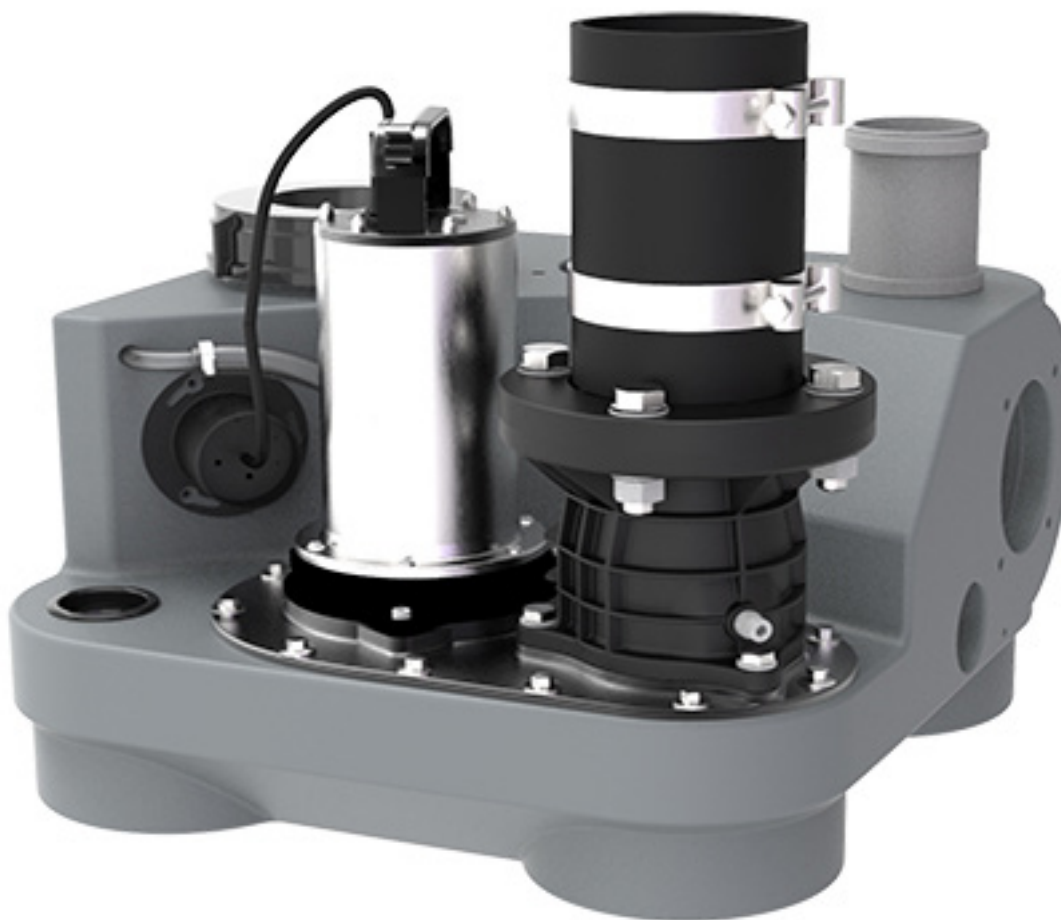


Applications

Industrial

A complete range of products suitable for the different construction needs of the sector. Spoilers for trucks, deflectors, roofs for tractors and other industrial special products such as containers and tanks for water, consistently employ products from the MICROLEX RM line with dedicated colours for the different needs of OEMs and the industry.

MICROLEX RM 437 R PREMIUM BLACK, a product with excellent mechanical performance made from 50% post-industrial recycling, available in black.



Applications

Chemical Pharma

All chemical substances in liquid form must be stored and transported: a special PE-based compound can be an excellent material for these type of tank.

Based on their nature, the chemical aggressiveness of these substances, over time, can give rise to:

principles of oxidation and hydrolysis of the polymer

the presence of surfactants weakening the intermolecular structure of the polymer compromising mechanical characteristics.

To solve these issues and ensure maximum resistance, HEXELL SC3093 is the product developed for these types of applications.



Applications

Nautical

In addition to the HEXELL series high performance compounds, the sector requires special thermo-elastomers for buoys or fenders and, more generally, the various types of bumper-fenders.

HEXELL ELASTO 14 D is generally indicated for bumpers, while HEXELL ELASTO 10 B is used where a greater elastic effect and softness are required, such as buoys and fenders for nautical use.



Applications

Furnishing

The MICROLEX RM series, with its different degrees of MFI and some 200 active production colours, largely satisfies the needs of design and furnishings.

Textural effects are used in the gardening and urban furniture sector:

MICROLEX RM BRONZE, with a typical dark and oxidised appearance, MICROLEX RM DARK MIX, with a dark granite effect and DARK LIGHT light granite.

When, in line with Corporate Social Responsibility (CSR), environmental sustainability becomes the conscious and practical choice of the designer or the community, we are able to provide exclusive compounds.



Applications

Medical

Adjustable beds with sides, lockers, computer shelves and food racks produced through rotational moulding are widely used in hospitals.

MICROLEX RM 1290, thanks to its ease of flow in the mould, is the ideal product. Hospitals, as well as food companies, require surfaces which are easily washable and therefore free of porosity, capable of reducing the presence of bacteria.

AEON and our Bifree technologies meet these type of needs.

bifree , a technology completely free of bactericides, when applied to compounds is able to reduce the presence of bacteria on the surfaces of objects by 99.99%..

