AFFILIATO:

Market Monitoring Newsletter

THE ESSENTIAL NEWS OF ROTOMOULDING WORLDWIDE

ABC Rotomoldeo website updated.

The Spanish company ABC ROTOMOLDEO has updated its website with a new 'Sectors' section. This section shows the variety of sectors in which the company works, and examples of some of the products it already manufactures.

From solutions for the automotive sector to innovations for agriculture and livestock farming, the company already offers something for every need and every industry. ABC ROTOMOLDEO specialises in turning ideas into tangible products for different sectors.

https://www.linkedin.com/posts/abc-rotomoldeo-industrial_abcrotomoldeo-rotomoldeo-plasticoenmovimiento-activity-7196034030344060929-Xuvn

Michiana Rotational Molding expands facility, adds machinery.

Michiana Rotational Molding (MRM), a southwest Michigan-based rotational molding company, has expanded its facility for a second time in less than five years of operation. The addition of 35,000 square feet of production space and a new Rotoline rotomolding machine brings the company's overall square footage to 135,000 square feet and six rotational molding machines.

Known as the Rotoline Carrossel CR 3.60, Michiana Rotational Molding's new machine allows the company to expand its rotational molding offerings. The machine is optimized for the sequential production of parts in large volumes. It includes four arms, an oven for heating plastic resins within the desired shape and mold, and stations for pre-cooling, cooling, loading and unloading, and standby to increase productivity. Increasing its production space by 35% will allow the company to manufacture additional customer orders and provide corresponding

secondary services to support a new project Michiana Rotational Molding will begin in the second half of 2024. The expansion and additional equipment has created 18 new positions at the company, between the operators required to run the new machine and those who are needed to provide secondary services on the products made by the machine. MRM provides plastic products manufactured utilizing the rotational molding process. The company also provides secondary services such as assembly, quality testing, mold repair, finishing, and delivery service for local customers. In addition to its custom rotomolding services and production, Michiana Rotational Molding serves many of the marine, RV, material handling, home and garden, agricultural, and other industries with a local presence in the Michiana and Midwest regions.

https://finance.yahoo.com/news/michiana-rotational-molding-expands-facility-021900784.html

Celebrating Persico Group's achievements.

Persico Group has been honoured with the "Internationalization" prize at the esteemed 13th edition of the "From Father to Son Award" at the prestigious Alfa Romeo Museum of Arese (MI) !

It's why, under family leadership, Persico has expanded its presence globally, establishing branches in the USA, Mexico, Germany, and China. This award celebrates traits like responsiveness, proactivity, and resilience: qualities that Persico embodies wholeheartedly.

https://www.linkedin.com/posts/persico-spa_fromfathertosonaward-internationalexpansion-activity-7196506592568061953-_yD1

A certified recyclable and repairable floor lamp.

Hera Luce, a company controlled by AcegasApsAmga that deals with lighting and sustainable smart cities, has promoted the Loome project: the infinite street lamp, a circular lighting project for urban environments, created thanks to the Lorelux technology developed and produced by Niteko Illuminazione, with recycled plastic from Aliplast S.p.A.

An analysis of the circularity of the materials, carried out using a digital tool certified by the **Bureau Veritas** group, has shown that the circularity of the production of Loome luminaires is around 90%. The lamppost does not contain any metal and is therefore corrosion resistant - a considerable plus for a public lighting fixture that is exposed to the elements. Loome also stands out among others in the 'right to repair': all its parts are disassemblable and can be replaced without discarding fully functional components. The result considerably reduces waste, environmental impact and running costs. This 90% recyclable streetlight is a perfect example of circular economy and has enabled Hera Luce and AcegasApsAmga to obtain AFNOR certification.

https://www.linkedin.com/posts/acegasapsamga-s%2Ep%2Ea%2E_acegasapsamga-illuminazione-loome-activity-7196804073440833536-ytvg

Roto Hungary has completed a new project

Roto Group congratulates Roto Hungary on their new project which has now been completed. A new injection moulding plant in Székesfehérvár, required a 230m^3 combined firewater and stormwater storage system. This 230m^3 system consists of three Roterra 2450, 60m^3 tanks and one 50m^3 tank.

https://www.linkedin.com/posts/rotogroup_firewater-recycle-hungary-activity-7198244148410281984-rmUy

Remcon Plastics Improves Customer Satisfaction by Partnering with Nexterus to Maximize On-Time Delivery.

Nexterus, a world-class supply chain management and third-party logistics (3PL) services provider, announces that Remcon Plastics is using the Nexterus Transportation Management System (TMS). The TMS helps automate manual processes in Remcon's transportation operations and improve customer service and satisfaction.

Remcon manufactures large rotationally molded plastic parts for traffic safety, material handling, storage industries, and custom products for various applications. The traffic safety portion of Remcon's business is the most time-sensitive because traffic barriers are often ordered at the last minute for delivery to a construction site or roadwork project. Quotes for products and freight need to be turned around within hours, which had Remcon employees spending hours trying to arrange freight and track deliveries instead of their primary customer service duties. Partnering with Nexterus allowed Remcon to provide a more sophisticated shipping experience that ensured great rates and real-time tracking. Remcon chose to work with Nexterus not only because Nexterus offered the services the company needed but also because Nexterus is a family-owned business like Remcon.

https://www.globenewswire.com/news-release/2024/05/23/2887335/0/en/Remcon-Plastics-Improves-Customer-Satisfaction-by-Partnering-with-Nexterus-to-Maximize-On-Time-Delivery.html

TRITHON de-pollutes run-off water from an industrial site.

TRITHON hydrodynamic separators, produced by SIMOP, have been installed to protect the natural surroundings of an industrial site that deposits small amounts of pollution on the ground (micro-plastics, industrial plastic granules (IPG), hydrocarbons, tyre particles, etc.).

No less than 9,000 m^2 of waterproofed surfaces have now been cleaned up. The TRITHON separators have been placed upstream of two retention basins. This solution protects these basins from various pollutants and means that they do not need to be cleaned regularly. This waste is trapped by the TRITHON solution and will not end up in rivers or oceans, while fauna and flora are preserved.

https://www.simop.fr/blog/article-2/trithon-depollue-les-eaux-de-ruissellement-d-un-site-industriel-151

A guide to understanding septic tank and sewage treatment plant regulations.

Before investing in a domestic sewage treatment plant, there are some key guidelines around sewage discharge that must be taken into consideration. These guidelines are laid out in the General Binding Rules set out by the (UK) Environment Agency. Harlequin Manufacturing Ltd. has simplified the regulations in a quick and helpful guide that can be downloaded.

https://www.linkedin.com/posts/harlequinmfg_sewagetreatmentplants-wastewater-wastewatertreatmentsystems-activity-7198695231465095169-mOfK

Presentation of the video made for the Rototek's new website.

A new website was realized for Rototek to celebrate its new B Corp status, including a range of video and photographic content that demonstrates the process behind their large-scale rotational moulding business.

A modernised website has provided Rototek with a more efficient delivery of messaging and imagery, alongside an easy to manage system that can be updated and evolved by their team internally for years to come. A website is nothing without content, so **Studio Optic** captured a range of video and photography to provide an insight into Rototek HQ, following the process from powder to product for one of their flagship products – an RS Sailing 'Quest'.

https://www.linkedin.com/posts/studio-optic_bcorp-videoproduction-websitedesign-activity-7199300413219631104-oiap

Innovation in knowledge retention: The role of augmented reality.

In collaboration with Hogeschool Saxion, University of Twente, and other partners, Pentas Moulding is making a significant step forward by integrating augmented reality (AR) into our processes.

This initiative focuses on capturing and transferring essential knowledge within the company organization. Within this partnership, the company aims to make strides in knowledge retention through the use of augmented reality. Recently, these ideas were put into practice. Saxion University was on-site to conduct tests with an augmented reality headset in the company post-processing department. It was exciting to see how this technology can optimize the transfer of knowledge.

https://www.linkedin.com/posts/pentasrotomoulding_innovation-in-knowledge-retention-the-role-activity-7196804090083831808-gOXJ
https://www.linkedin.com/posts/pentasrotomoulding_innovation-knowledgeretention-augmentedreality-activity-7199766808227102720-k-EW

Completion of a rainwater tank.

Polymaster, a leading Australian manufacturer of liquid storage solutions, presents the completion of a Polymaster Rainwater Tank in a short video. The next step for this tank is to undergo rigorous ultrasonic thickness testing and drop testing to ensure its quality. The company is proud to support industries across Australia with innovative and reliable solutions

https://www.linkedin.com/posts/polymaster-group_and-just-like-that-a-polymaster-rainwater-ugcPost-7199566334140063744-HHcX

CSR action at ROTOMADE.

Recently, 10 ROTOMADE employees took part in a CSR mapping ("Fresque de La RSE) workshop led by Simon Hatuna, CSR & Decarbonation Consultant at shime.

This mapping is the ideal tool for popularising the basic concepts of sustainable development, understanding the new challenges facing society and implementing a collaborative CSR strategy within our group. And it's all done in a fun and dynamic way! CSR must not just be used as a headline in communications: it must be lived by organisations on a daily basis. The **RBB Group** is committed to creating shared value, i.e. value that is economic (for the Group), social (for society) and environmental (for the planet). This workshop provided an opportunity for reflection and creativity around the CSR challenges and actions to be taken within the Group, in a spirit of good humour. 2 magnificent mappings were created as a result of these discussions.

https://www.linkedin.com/posts/rotomade_%3F%3F%3F%3F%3F-%3F%3F%3F-mercredi-10-de-activity-7199747929367007232-8FTt

Innovation in a drive for sustainability!

ROTOVIA Group is proud to announce that Sæplast Americas Inc., one of the brands of the group, in cooperation with NOVA Chemicals, a polyethylene manufacturer, has created a new polyethylene resin, NOVAPOL® TRx0338-U(UG), which sets new standards in the rotomolding industry.

Tests conducted have shown that the new resin significantly outperforms traditional materials in terms of performance and durability. The new polyethylene was tested on Saeplast's flagship product, the D660 container, which is indispensable in the fish industry.

The benefits are reduced production cycle time, energy savings, versatile performance, as well as the potential to reduce product weight while maintaining adequate strength. NOVAPOL® TRx0338-U(UG) is an advanced material that supports the sustainability and operational efficiency goals of Saeplast container manufacturing. The design of the new polyethylene resin is not only a technological achievement, but also a demonstration of both companies' commitment to the environment. It is also a step forward in the ROTOVIA's mission to build a circular economy and underline its commitment to sustainability.

https://www.linkedin.com/posts/rotovia_polyethylene-rotomolding-materials-activity-7199678274216628224-EPQf

Lumax Cornaglia makes strategic U-turn: plastic tanks to drive over 50% of revenue by 2026.

Lumax Cornaglia, a joint venture between auto component giant Lumax Auto Technologies and Italy's Cornaglia Group, is undergoing a strategic shift. While the initial focus was on metal-based exhaust systems, the company now expects plastic tanks, a lightweighting product, to contribute over 50% of its revenue within the next two years.

Research indicates that plastic tanks, typically made from polyethylene and polypropylene using rotational moulding, offer several advantages over traditional steel or aluminium tanks. These advantages include non-corrodibility, lower weight, resistance to scratches and chipping, and a relatively lower cost. With an average annual sales volume of around 1 million commercial vehicles, 5 million cars, 17 million two-wheelers, 1 million tractors, and 1.1 million construction equipment, the indian market presents a significant opportunity. However, to avoid overexpansion, Lumax Cornaglia initially intends to focus primarily on commercial vehicles for the next 5-6 years before venturing into other segments. Another strong reason for the company's focus on commercial vehicles is that nearly 50% of its existing business already comes from this segment. To the company's advantage, it already possesses two out of the total four roto moulding machines in India. The CEO of Lumax Auto Technologies, emhasised that the mandate for him is to increase the products from rotational moulding to more than 30% of the total product portfolio. Apart from plastic tanks, the other major products manufactured by Lumax Cornaglia are air intake systems, 3D blow moulding intake ducts, CAC (charge air cooler) ducts, and fuel filler pipes.

https://www.autocarpro.in/news/lumax-cornaglia-makes-strategic-u-turn-plastic-tanks-to-drive-over-50-of-revenue-by-2026-120680

SMT Advanced Pelletizing Solutions for Roto moulding Waste Material.

The indian company Sai Machine Tools Pvt Ltd (SMT Extrusion) is introducing in a video its state-of-the-art pelletizing machines, specifically designed for processing roto molding waste.

These machines are engineered to handle a variety of waste materials, converting them into high-quality pellets ready for reuse in production. The pellets produced by these machines can be reused in various applications, from creating new roto-molded products to being used as raw material for other plastic manufacturing processes. This not only reduces waste but also lowers production costs and supports environmental sustainability. These pelletizing machines boast a range of features that set them apart from the competition: Efficiency, Versatility, Quality Output, User-Friendly and Eco-Friendly.

https://www.youtube.com/watch?v=TqC9yih-G4o

Presentation of Ozzi Kleen.

An overview of Ozzi Kleen, an australian company specialized in water treatment solutions, is presented in partnership with the Sunshine Coast Council through a short video.

https://www.linkedin.com/posts/suncoast-waste-water-management_in-partnership-with-the-sunshine-coast-council-ugcPost-7191344151953567745-pWmU

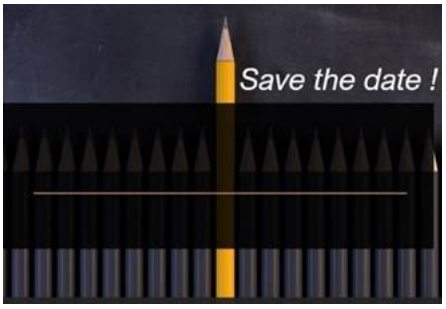
Research & Patents

Rotational moulding with zero greenhouse emissions, zero energy costs.

LightManufacturing, a US-based solar technology company, has developed a technology that replaces the use of fossil fuels in plastic rotational moulding. Solar rotational moulding (SRM) uses sun-tracking mirrors called heliostats to concentrate solar thermal energy on a rotational mould.

The heat from the sun directly warms the mould, melting the plastic with zero greenhouse gas emissions at zero fuel cost. LightManufacturing's rotational moulding system is a 'factory in a box' consisting of two moulds inside a container. The off-grid system does not require any infrastructure for gas, grid electricity, or water cooling. SRM can use any typical rotational moulding resin (polyethylene, polypropylene, nylon) but until now, LightManufacutring has mostly manufactured polyethylene products. A key difference between SRM and traditional rotational moulding is that SRM heats the mould by radiative heating, which directly heats the metal, rather than convective heating. This means the process can achieve desired moulding temperature at much lower surface/air temperature which, in turn, allows the system to place electronics inside the moulding chamber. Automation technology frees operators during the long rotational moulding heating cycles thanks to the sensors placed inside the moulding chamber and a control system that monitors the heating process. Cooling is also automated. In general, having sensor technology inside the moulding chamber allows LightManufacturing to adapt the heating cycle to changing external conditions, thereby outputting a higher quality product. Besides the environmental benefits of moulding plastic products with zero greenhouse gas emissions, solar rotational moulding also delivers big savings on cost. The technology cuts product costs in 15% to 30%, according to the company CEO, because energy costs to power the process are reduced to zero. Because the moulds are heated by concentrated thermal energy from the sun, SRM is most efficient in areas with high solar irradiation. The system also works under cloudy conditions, although efficiency will of course be impacted. LightManufacturing says that 49% of the Earth's land is ideal for deploying its technology. It already has two systems in place in the United States, one in California and another in Hawaii. In terms of efficiency, solar rotational moulding converts around 75% of available solar energy to useful heat, in contrast with the standard 20% to 25% efficiency of solar photovoltaics in converting energy to electricity. This efficiency, combined with LightManufacturing's heat management, positioning, and process control software allows mirror arrays as small as 30 sqm to generate sufficient heat to mould objects 1 m x 1 m in size. Put another way, 35 heliostats reflect enough heat to mould a 2,000 litre water tank.

https://www.sustainableplastics.com/news/lightmanufacturing-produces-plastic-zero-greenhouse-emissions-zero-energy-costs



6/7 June 2024 -
VIII Conference - Rotopol 2024
Pragua - Czech Republic
https://rotopol.pl/index.php/en/conference/location

13/14 June 2024
ARM & IT-RO Tour of Italian Rotomolders
Italy
https://rotomolding.org/page/ExecutiveForum

17/19 June 2024
ARMA Event
Gold Coast Australia
www.rotomouldconference.com.au

24/26 September 2024
ROTOPLAS 2024
Rosemont, Illinois, USA
https://www.rotoplas.org/

12/14 februar 2025
ARMO 2025: Global rotomoulding (conferences et trade show)
LIEU : Convention Hotel Delhi - Inde
https://drive.google.com/file/d/1Q7MH4LKVK_PgNV1nZu_BVgHEwfvB7oRO/view?usp=sharing