



Market Monitoring Newsletter

THE ESSENTIAL NEWS OF ROTOMOULDING WORLDWIDE

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A liquid fertilizer injector with a rotomolded tank.

At the Agritechnica trade show, Dutch firm Duport unveiled the PTW 3000 Farmerline semi-mounted liquid fertilizer injector, with its economical price positioning.



With a capacity of 3,000 l, this semi-mounted liquid fertilizer injector is used for localized fertilization. Featuring a rotomolded polyethylene tank, this entry-level machine is characterized by its incorporation system consisting of stainless steel wheels fitted with hollow spikes to deposit the liquid fertilizer in the soil. According to French importer **Agrosoil**, this process, known as Cultan, can reduce the dose used by up to 30%, and deliver nitrogen in the form of liquid ammonium in a single application in spring, thus saving money. It is also well suited to fertilization in dry conditions, drastically limiting evaporation.

<https://www.reussir.fr/machinisme/duport-jusqua-30-deconomie-avec-linjecteur-dengrais-liquide>

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Best Places to Work for 2024.

Advanced Pedestals, Ltd won the 1st place in the esteemed Best Places to Work for 2024 category of Plastics News' awards program, whereas Redline Plastics is placing 4*



Redline Plastics received also a recognition in the "Processor of the Year" category, receiving a special award for Excellence in Industry and public relations!

[https://www.linkedin.com/posts/redline-plastics_recap-of-an-incredible-last-week-at-plastics-activity-](https://www.linkedin.com/posts/redline-plastics_recap-of-an-incredible-last-week-at-plastics-activity-7176223483591348224-4jb3)

7176223483591348224-4jb3

https://www.linkedin.com/posts/advanced-pedestals_bestplacestowork2024-goodtogreat-thebest-activity-7176222376265723904-l3dt

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Wuxi Yisong receives a Chinese certification.

The Association of Rotational Moulders Australasia (ARMA) is congratulated ARMA Member Wuxi Yisong who have been awarded the prestigious designation of "High-tech Enterprise Certification".



Recently, Wuxi Yisong has successfully completed the local preliminary inspection, expert review, publicity, and other procedures mandated by the Wuxi Science and Technology Commission. Consequently, they have been granted the "High-tech Enterprise Certification", which remains valid for a duration of three years and was issued on November 6th, 2023.

[https://www.linkedin.com/posts/association-of-rotational-moulders-australasia-](https://www.linkedin.com/posts/association-of-rotational-moulders-australasia-ltd_armamember-rotomoulding-rotationalmoulding-activity-7176390386305708032-gmMS)

[ltd_armamember-rotomoulding-rotationalmoulding-activity-7176390386305708032-gmMS](https://www.linkedin.com/posts/association-of-rotational-moulders-australasia-ltd_armamember-rotomoulding-rotationalmoulding-activity-7176390386305708032-gmMS)

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Inspiring meeting at Rotovia Hockenheim.

Recently, an inspiring meeting of the Rotovia group took place at the Rotovia Hockenheim plant in Germany, where the company's key activities and strategies were discussed.



A team also conducted the Rotovia safety audit at the Hockenheim plant. Such personal meetings are very important for our business. Not only do they allow the company to better understand the needs and expectations of its customers, but they also enable to build strong relationships within the Rotovia team. Through face-to-face interaction and the exchange of ideas, the team can better understand the challenges the company faces and develop effective solutions. Therefore, the company is pleased to continue its practice of regular meetings, which are a key element of its success and growth.

https://www.linkedin.com/posts/rotovia_rotovia-business-expectations-activity-7176602465792897025-U593

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ROTOTEC proposed a tour of its new Italian plant to local entrepreneurs.

As part of a conference organised by Confindustria Pesaro Urbino with Professor Lucio Caracciolo (director of the Italian geopolitical magazine "Limes") on the role of local companies in an ever-changing socio-political and economic scenario,



ROTOTEC allowed 40 local entrepreneurs, led by Luca Brisigotti, company manager, and Paolo Benzi, d Technical Department Manager, to visit its new production site in Sant'Angelo in Vado. Inside, participants were able to admire Italy's largest rotational moulding machine, a jewel that allows Rototec to produce increasingly voluminous tanks and to continue to establish itself as a leader in the recovery and re-use of water for irrigation purposes. The visit was followed by a discussion on Rototec's future presence on the international market. The conference was held at the Uniline premises (which is also part of the System Group).

https://www.linkedin.com/posts/rototec-s-p-a_rototec-systemgroup-watersavingsolutions-activity-7176535499438731264-22ZX

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Production of custom rotomolded systems.

Video to learn how Michiana Rotational Molding can produce custom rotomolded solutions for your production needs.



Their ability to design and produce custom rotomolded, hollow plastic parts lends itself to a wide variety of industries.

https://www.linkedin.com/posts/michiana-rotational-molding_michianarotationalmolding-rotomolding-rotomoldingsolutions-activity-7176231579214655489-C6cf

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Plant pots and stools made from recycled materials.

The company Manga Street transforms fishing net and flower net waste into high-quality design products and develops the new Scoop recycling plant pot and the Scoopi recycling seat / stool, which is now available from GTSM Magglingen AG / Macolin SA, a Swiss company specialising in playgrounds and street furniture.



The Scoop Recycling flower pot and the Scoopi Recycling pouf can be combined with the other Scoop family members, such as the Scoopi Table and tabletop. The soft and round shapes of the Scoop series are very suitable for parks, playgrounds, picnic areas, public spaces, the beach, promenades, private workplaces or even in large halls and railway stations, where you can sit down and rest for a while before moving on.

https://www.linkedin.com/posts/gtsm-magglingen-spielplatz-parkmobiliar-mobilier-urbain-place-de-jeux_blumennetzabfaeulle-recycling-pflanzkaesbel-activity-7176493613915217920-XMnZ

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Work in progress at ROTOMADE.

In just one month's time, ROTOMADE will more than double its storage space from 1500 m² to 4100 m²! This expansion promises to boost operational efficiency and responsiveness thanks to doubled storage space.



In addition, by enlarging the area at the rear of its building, ROTOMADE is creating a new passageway for trucks, which will be reserved for deliveries. The expected result is a smoother flow of incoming and outgoing shipments, and optimized productivity. The final result of this project will be revealed in a few weeks' time.

https://www.linkedin.com/posts/rotomade_%3F%3F%3F%3F%3F%3F-%3F%3F%3F%3F%3F%3F%3F%3F%3F%3F-activity-7176117800011206656-lar0

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Rotovia France involved in the development of the nautical industry.

Sébastien Dufour, Rotovia France Sales Manager, took part in the General Meeting of the French Nautical Industries Federation. This is a moment of capital importance in the life of the federation, a time when the key players in the profession meet to exchange, debate and decide on the future of the nautical industry.



Rotovia stands out as a major player in this dynamic landscape. Its commitment to innovation, sustainability and excellence positions it as an essential partner in the evolution of the marine industry. Rotovia is proud to contribute to the growth and development of this exciting sector. The Annual General Meeting was also an opportunity to strengthen ties within this professional community. The fruitful exchanges, innovative ideas, ecological transition and future collaborations are forging a promising future for the marine industry.

https://www.linkedin.com/posts/rotovia-france_rotovia-marine-fin-activity-7178403632336318464-yVIB

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Go green with RotomachineryGroup.

Thanks to its hybrid system (pat. pending) that pairs advanced digital burner with special electric resistances specifically designed for a medium-sized carousel machine with a set-point of 250° and for a 4 mm thick piece, RotomachineryGroup achieved the following results:



Heating up from cold oven to molding temperature in 7.5 minutes ; Recovery of molding temperature in just 2 minutes ; For a standard cooking recipe of only gas for 22 minutes, the machine operated: a) 11 minutes using only the gas burner ; b) 8 minutes using only electric ; c) 3 minutes using both power sources. All of this has allowed RotomachineryGroup to achieve a 63% gas cubic meters savings, equivalent to 25 tons of CO₂ emissions annually. The next step is a full electric machine. Testing is planned in the coming weeks.



https://www.linkedin.com/posts/rotomachinery-group_rotomachinery-rotationalmolding-rotomolding-activity-7178707378895208448-kar-

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Borealis and AKVA launch workboat from renewable feedstock-based plastic.

Borealis and AKVA group announced a breakthrough in sustainable aquaculture: a workboat hull constructed from renewable plastic. The boat will be unveiled in Mo i Rana, Norway, in Spring 2024, marking a significant step forward for circularity in marine technology.



The Polarcirkel series is known for its practical design, exceptional reliability, and unmatched safety. Used in a wide range of industries, including fish farming, oil and gas, rescue, defence, Arctic tours, and recreational boating, these vessels can endure some of the most challenging conditions on the planet, from -40°C in Arctic regions to +55°C in the tropics. Using Borealis' Bornewables portfolio of renewable polyolefins, AKVA group can now offer these boats with a substantially reduced carbon footprint. Derived from renewable sources such as used cooking oil, the Bornewables offer the same material performance as

virgin plastics, yet decoupled from fossil-based feedstock. The hull is made from Borealis BorSafe HE3490-LS-HW grade, which is composed of 90% renewable content based on a Mass Balance approach. For every kilogram of polyolefin produced, this grade achieves an estimated reduction of 1.9kg of CO₂ equivalent emissions when compared to a fossil-based equivalent. In the near future, the partnership between Borealis and AKVA group is set to expand to cover a wider range of workboat components as well as floating aquaculture constructions made of pipes.

<https://interplasinsights.com/plastics-environment-news/plastics-renewables-and-energy-reduction/borealis-and-akva%2%A0launch-workboat-from%2%A0renewable-feedstock-b/>

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New approval for Sebico's Biomeris filter.

Sebico's Biomeris filter has just received new ministerial approval, in compliance with Article 9 of the French Order dated September 7, 2009. This step strengthens the company's offering in the field of non-collective sanitation and compact solutions.



This ministerial approval attests to the Biomeris system's compliance with current standards and regulations, guaranteeing its reliability and efficiency in wastewater treatment. This certification is essential to establish the confidence of the competent authorities, industry professionals and end-users alike. It also opens up new business opportunities for Sebico. Until now, the Biomeris compact filter, already the recipient of two ministerial approvals, was offered exclusively in combination with a Sebico all-water tank. Now, thanks to this new approval, it can also be installed with another brand of all-water tank. This increased flexibility will enable the company to respond more precisely to the specific needs of its customers, while consolidating its position in the compact filter market.

<https://sebico.fr/2024/03/28/biomeris-nouvel-agrement/>

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Rainwater harvesters 100% made in France.

EMP Rotomoulage offers rainwater harvesters in the shape of sculptures to be displayed in gardens or on terraces to embellish exteriors while recovering rainwater.



With a large capacity (1,000 l), they are available in a range of colors (Stone, Pink Marble, Quartz Grey, Ivory) and offer great resistance. They're made from rotomolded, UV-resistant resin!

https://www.linkedin.com/posts/emp-rotomoulage_nouveaut%C3%A9-emp-r%C3%A9cup%C3%A9rateurs-d-activity-7179846331501309952-0RiA

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Research & Patents

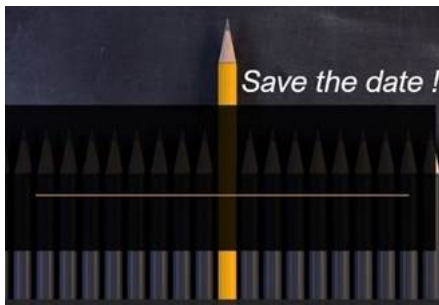
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Mechanical and gas barrier properties of polyamides 6/ organically modified montmorillonite/ maleic anhydride grafted polyolefin elastomer composites produced by rotational molding.

High-strength and high-gas-barrier plastic packaging liners have emerged as competitive products with promising potential application in the field of Type IV hydrogen storage cylinders. Ternary composites, which contain PA6, organically modified montmorillonite (OMMT), and maleic anhydride grafted polyolefin elastomer (POE-g-MAH), have been proposed as possible material for this application.

To achieve the goal of developing this material, the influence of material formulation on various properties such as mechanical, microstructure, gas barrier, thermal stability, and flow properties of the composites was investigated. The results show that the composites with 3 wt% OMMT had the best gas barrier and mechanical properties. Additionally, the effect of rotational molding process parameters on the wall thickness of the plastic liner was studied. Process parameter regulation methods were proposed to improve wall thickness consistency of the products. The investigation shows that the composites containing 3 wt% OMMT had the best wall thickness consistency of the products.

<https://4spepublications.onlinelibrary.wiley.com/doi/10.1002/pc.28371>



J6/7 June 2024 -

VIII Conference - Rotopol 2024

Pragua - Czech Republic

<https://rotopol.pl/index.php/en/conference/location>

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13/14 June 2024

ARM & IT-RO Tour of Italian Rotomolders

Italy

<https://rotomolding.org/page/ExecutiveForum>

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17/19 June 2024

ARMA Event

Gold Coast Australia

www.rotomouldconference.com.au

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18/19 September 2024

MASTER CLASS AFR

[Lyon – France](#)

[Les évènements - AFR \[Association Francophone du Rotomoulage\]](#)

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24/26 September 2024

ROTOPLAS 2024

Rosemont, Illinois, USA

<https://www.rotoplas.org/>



ARM - Association of Rotational Molders

