



Market Monitoring Newsletter

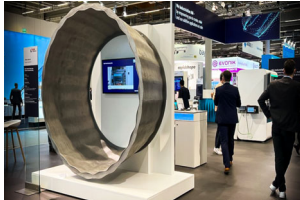
ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 27 janvier 2022

Machinery & Process

Formnext : An XXL mold for rotational molding made by additive manufacturing

17/01/2022



IREPA LASER, an industrial R&D company, has equipped itself with a hybrid solution : 2 robots and a 3D printer associating powder deposition and wire deposition, to start the production of large-sized parts. It allows the production of a 3D printed mold of more than 2 meters in height and diameter, with a total weight of 1,200 kilograms. This XXL mold, made in the workshops of IREPA LASER, is intended to produce wine tanks by rotational molding by the company Wine & Tools, specialized in innovative technologies for wine making. This innovative collaboration, with partners VLM Robotics, Siemens and Janus Engineering, was exhibited at the Formnext trade fair in Frankfurt in November 2021. (Translated from French)

Click here to read more : www.irepa-laser.com

Practical Guide to Rotational Moulding, Third Edition



This guide takes a step-by-step approach to rotomoulding, covering applications, moulds, machinery, materials, and design. This third edition has been thoroughly revised to include the latest advances, including novel materials and moulds, new products, and automation. The book begins with a chapter that introduces the rotational moulding process,

analyses advantages and disadvantages, and explores common applications for rotomoulded products.

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Video : a robot is used to trim high quality rotomolded parts



Agri-Plastics Custom Rotomolding : Our robotics systems are quick, precise and consistent for our custom rotomolded products. Automated trimming improves safety, consistency, and efficiency while reducing labor costs and scrap rates.

Click here to read more : [YouTube](https://www.youtube.com)

Research & Patents

Valorization of disposable polylactide (PLA) cups by rotational molding technology: The influence of pre-processing grinding and thermal treatment



This study presents the structure-property relationship of rotationally molded products made of waste-based polylactide (PLA) pre-processed with different procedures. While the use of recycled petrochemical thermoplastics, such as polyethylene, is a current industrial practice, there is no evidence of recycled, biodegradable polymers as a source of material for manufacturing the rotomolded parts. The main problem is the difficulty in grinding low-melting material with a high ability to degrade during the milling process into a powder, which is essential from the point of view of rotational molding.

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Rotomolding Market News - Europe

Rotational Molding : when training rhymes with innovation



Polyvia Formation and the AFR (Association Francophone du Rotomoulage) collaborated to develop two remote training courses on safety measures in the workshop and the in and outs of the rotational molding process. Another course, this time meant to be held in a classroom and a workshop, to get more familiar with the rotomolding process. (Translated from French)

Click here to read more : www.usinenouvelle.com