



Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 12 janvier 2023

Events

Beysel, speaker at the StAR conference



Floteks is one of Turkey's most important rotational molding companies. Founded by Celal Beysel, one of the former presidents of BUSIAD, who played an important role in the organization of the business world in Bursa and nationally, Floteks is also a valuable R&D center. The Asian Rotoformers Association (StAR) will hold its 19th Annual Conference in New Delhi between the 28th and 30th of January. Celal Beysel will be among the speakers. (Translated from Turkish)

Click here to read more : www.bursahakimiyet.com.tr

Machinery & Process

Making large PE and PP containers becomes possible thanks to "cold" 3D printing

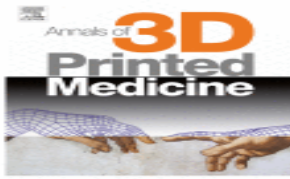


"Cold 3D Printing" is a technology developed by start-up 1L Largix Tech. The technique is derived from the deposition of FDM filament where we do not just merge and extrude the filament but rather heat the outer face of each deposited layer with a laser beam. The process is extremely similar to the one used for the application of ATP tape in composite materials. The Largix machine makes it possible to deposit up to 4 different layers simultaneously, which makes it possible to combine compositions and colors but also different thicknesses. The machine makes it possible to produce hollow bodies 3.5m high by 3m in diameter - products generally made by rotational molding. (Translated from French)

Click here to read more : www.linkedin.com

Research & Patents

A human-centred design approach to hybrid manufacturing of a scapholunate interosseous ligament medical practice rig



The SLA printed Pro-Black resin, with its realistic drill feel, was ultimately discarded as a viable option for printed bone models. The reason was aesthetic, as the opaque black colour was not in line with expectations for a medical device: to be a polished and anatomically correct surgical practice rig. For future versions of this model, we decided an appropriately hued epoxy resin is either injection- or rotation-moulded within a 3D printed shell to achieve an optimal result.

Click here to read more : www.sciencedirect.com

Simulation of the rotational molding process for the liner of a high-pressure hydrogen tank



Simulation of rotational molding of polyethylene powder. This simulation concerns the heat transfer, coalescence and densification of the particles and the flow of the molten polymer. Thesis project in Applied Mathematics by Ali Nourreddine under the supervision of Abbas Tcharkhtchi. (Translated from French)

Click here to read more : www.theses.fr

Rotomolding Market News - Europe

Playing with transformation : a few words from Ron Arad



In 1988, Ron Arad laid down his first common thread with the Big Easy steel armchair. The seat has since undergone many transformations, notably going through a version in rotomolded of polyethylene, to a epoxy resin version and, eventually, a newer edition made of Alpi wood. (Translated from Italian)

Click here to read more : www.salonemilano.it

Rotomolding Market News - North America

Brunswick Goes Big at CES

05/01/2023



Mercury Marine unveiled its Avator 7.5e electric outboard at the Consumer Electronics Show in Las Vegas. The 7.5e is the first in a series of electric outboards Mercury plans to release. A 20e and 35e are scheduled to debut later this year. The Veer X13 is built of rotomolded polyethylene and is designed for an Avator electric outboard or a 4-stroke from Mercury. It was built by Brunswick's Lund Boats and comes with a galvanized trailer. Pricing starts at \$11,995, and the boat will be available this spring.

Click here to read more : www.tradeonlytoday.com

Essential Dirt Bike Upgrades For Essential Recreation Part 2 – Making the Mileage

10/01/2023



IMS has been around for nearly 50 years manufacturing and retailing motorcycle parts. These days IMS is mostly known for its larger than stock fuel tanks (which are available for a number of brands and models) with optional dry break receivers (for racing), footpegs, and shift levers. For the 2022 KTM 500 EXC-F, IMS offers two capacities of its rotationally-molded crosslinked polyethylene fuel tanks: 3 and 4.5 gallons – both are available in black or natural colors.

Click here to read more : www.dirtbikes.com
