



AFFILIATO:



Market Monitoring Newsletter

THE ESSENTIAL NEWS OF ROTOMOULDING WORLDWIDE

Injen Technology acquires Roto-lite, Inc.



Injen Technology Co., LTD, the global market leader of innovative performance aftermarket products, including cold air intakes, stainless steel exhausts, intercoolers, and electronic throttle response controllers, announced that it has completed the acquisition of Roto-lite, Inc. ("Rotolite").

Rotolite, headquartered in Coachella, CA, is the market leader in contract manufacturing of rotomolded products. With 30 years of experience, Rotolite's products span multiple industries including Automotive, Golf, Lighting, Landscaping, and many others. The Acquisition of Rotolite comes with deep expertise in advanced molding practices and state-of-the-art tooling designs. Rotolite will also add another campus to Injen Technology's current facility footprint. Injen Technology remains solely in California with their headquarters and finished goods located in Montclair, while manufacturing will take place at both the Pomona and Coachella campuses. According the President and CEO of Injen Technology, this acquisition further expands Injen Technology's current position in contract manufacturing and also dramatically increases production capacity for its ever-growing line of rotomolded Evolution intakes.

<https://injen.com/n-76-injen-technology-acquires-roto-lite-inc.html>

Rotoline introduces plate and arm remote control.



Rotoline manufactures a wide range of rotomolding machines, from its Lab models to its Rock and Roll models that can handle molds nearly 23 feet long by 9.8 feet in diameter.

Its machines have a central podium with controls to operate all machine functions, with a range of incorporated safety features. In July, the company introduced Rotoline's new RC - Arm/Plate remote control, which allows the operator to use the "move plate" and "move arm" functions for the arm located at the designated load/unload station. The RC - Arm/Plate lets the operator position the arm/plate in the most comfortable and efficient position for feeding the mold and removing the product and cuts down on required back-and-forth travel between the central controls and the station. The RC - Arm/Plate is compatible with Rotoline's five-station Carrossel and two-station Shuttle machines, and can be retrofitted to existing machines - although a software upgrade might be necessary, and in the case of the Shuttle machines, each cart would need its own controller. As an added safety measure, the RC - Arm/Plate's "move plate" and "move arm" functions can be securely locked and controlled at the central podium of operation to prevent operators from inadvertently employing these functions at the same time from different locations.

<https://www.plasticsmachinerymanufacturing.com/rotomolding/article/53070054/rotoline-introduces-plate-and-arm-remote-control>

Danimer, Chevron Expand Biopolymers Partnership



Biopolymers producer Danimer Scientific Inc. is expanding its collaboration with Chevron Phillips Chemical (CPCChem) to explore development and commercialization of cast extrusion films, blown extrusion films, injection molded parts and rotational molded parts using Rinnovo polymers produced in a loop slurry reactor process.

Rinnovo is a PHA synthesized from lactones produced using Danimer's proprietary Novo22 catalyst technology, which can be used in the production of biodegradable alternatives to traditional plastics. The collaboration expands on Danimer and CPCChem's previously announced agreement, in which Danimer is evaluating the use of CPCChem's loop slurry reactor design to develop a continuous reactor system in the manufacturing process for Rinnovo. Opened in 1950 by Phillips 66, CPCChem's Bartlesville facility contains first-class research equipment enabling rapid testing of products across various processing conditions. Additionally, the facility's testing and analytical capabilities provide a more rapid feedback loop, accelerating the development and optimization of resin formulations.

<https://www.ptonline.com/news/danimer-chevron-expand-biopolymers-partnership>

Research & Patents

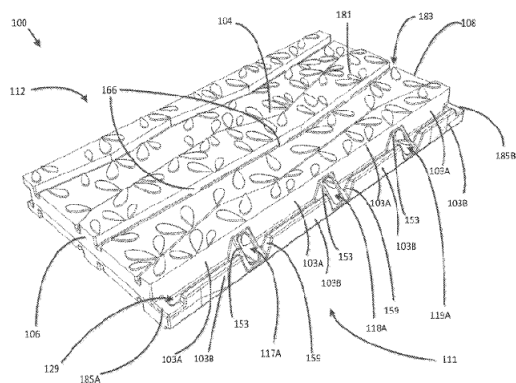
US2023279205 (A1) - Linear high-density ethylene interpolymer compositions.



This disclosure generally relates to ethylene interpolymer compositions as well as rotomolded articles made therefrom. The ethylene interpolymer composition includes a first ethylene interpolymer, a second ethylene interpolymer, and a third ethylene interpolymer. Further, the ethylene interpolymer composition has a density of at least 0.945 g/cm³; an environmental stress crack resistance (ESCR), measured according to ASTM D1693, Condition B, 10% IGEPAL CO-360, of at least 90 hours; and an Izod impact strength of at least 80 J/m, as measured according to ASTM D256. (Patent filed by NOVA Chemicals (International) S.A)

<https://worldwide.espacenet.com/publicationDetails/biblio?CC=US&NR=2023279205A1&KC=A1&FT=D&ND=3&date=20230907&DB=en.worldwide.espacenet.com&locale=fr> EP

US2023287641 (A1) - Sound attenuation barrier with improved ease of assembly.



Embodiments relate to a plastic wall panel, comprising a hollow body having external walls and defining an internal cavity. The external walls include: a first major side wall, a second major side wall opposite the first major side wall, a minor top wall, a minor bottom wall, a first minor end wall and a second minor end wall opposite the first minor end wall. The minor top wall and the minor bottom wall each define mating structure to mate and align with another adjacent panel so that multiple panels can be tiled together to form at least part of a sound attenuation barrier. The hollow body defines a passage extending between the first and second major side walls and through the first and second minor end walls to receive a reinforcing beam. The panels may be rotationally moulded. (patent filed by Aus Group Alliance Pty Ltd)

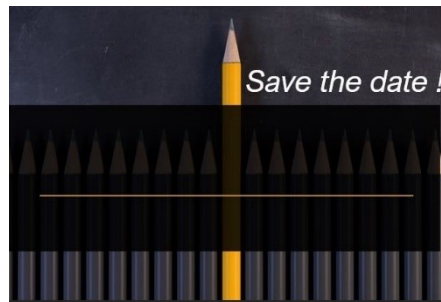
<https://worldwide.espacenet.com/publicationDetails/biblio?CC=US&NR=2023287641A1&KC=A1&FT=D&ND=3&date=20230914&DB=en.worldwide.espacenet.com&locale=fr> EP

EP4246361 (A2) - System and method for controlling a rotational moulding process.



Rotational moulding system configured for determining at least one suitable temperature-time program and at least one suitable motion-time program for the rotational moulding of an object by means of the rotational moulding system. This configuration is achieved by numerical simulation on the basis of a predetermined rotational moulding thermal characteristic of a raw material to be used for rotational moulding of the object. In particular, the system may by itself be capable of determining at least a heating and cooling program and a motion program on the basis of at least the predetermined rotational moulding thermal characteristic of the selected material, possibly in combination with other parameters and/or constraints. As a result, the configuration of the rotational moulding system or process, comprising the determination of suitable programs for controlling the heating and cooling and/or motion, may be simplified using numerical simulation methods. (Patent filed by AMS Belgium)

https://worldwide.espacenet.com/publicationDetails/biblio?CC=EP&NR=4246361A2&KC=A2&FT=D&ND=3&date=20230920&DB=EPODOC&locale=fr_EP



27/30 September 2023
[ARM 2023 Annual Meeting](#)

28/29 November 2023
[Master Class AFR](#)

28/30 January 2024.
[StaR 2024 Annual Conference & Trade Show](#)



ARM - Association of Rotational Molders

