



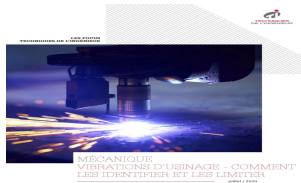
## Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 15 octobre 2020

### Machinery & Process

#### **57/5000 How to identify and limit machining vibrations? - A White Book**



Back in 2018, studies about this particular subject reported that vibrations remain a major issue for machining and that many manufacturers still consider them today as one of the most limiting factors for this process. Estimates show that the majority of the additional costs are related to lost productivity and time wasted on tune-ups or rework, then tool and machine wear, and finally scrap parts. (Translated from French)

Click here to read more : [www.techniques-ingenieur.fr](http://www.techniques-ingenieur.fr)

### Research & Patents

#### **Characterization of LLDPE/coir blend using FTIR technique**



The manufacturing of plastic by rotational molding technique has proven to be a better way for processing polymeric material, as it produces a range of stress-free hollow product. Though Linear Low Density Polyethylene (LLDPE) is chosen widely for roto molding process as it has favorable melt flow property, but it gets suppressed in few applications where strength is on major demand. Research has proven the quality of additives/fillers in sustaining the deterministic strength when reinforced in base resin. The present study is devoted in determining an optimum concentration range of coir to be reinforced in LLDPE for yielding requisite processibility in rotational molding. To achieve an

appropriate blend of LLDPE/Coir in order to confirm an increase in mechanical strength, Fourier Transform Infrared Technique (FTIR), as a part of material characterization, is focused on a preliminary basis.

**Click here to read more :** [www.sciencedirect.com](http://www.sciencedirect.com)

## Rotomolding Market News - Asia

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### **Tura Ora micronizes and recycles plastics**



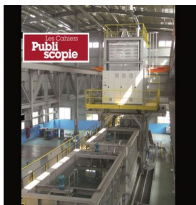
Shell boxes and pallets transformed into grease traps or septic tanks. Since processing up to 50 or 70 tonnes of plastic waste per year, the tank manufacturing company Tura Ora has reduced tahiti's imports of plastic powder from 'about 50%. "Tura Ora, partner of your environment." In order to be true to its own slogan, the company has decided to reduce its carbon footprint. "We make tanks for sanitation and rainwater collection, it's a shame besides that to import so much plastic" confides Tearii Winkelstroeter, operations manager. The concept ? Replace the imported polymer with home-crushed plastic waste powder. As long as you invest. In 2018, the company benefited from tax assistance of 43 million XPF for an investment of 119 million. Already equipped with a grinder and a micronizer (ultra fine molding), the company has completed its device with a numerically controlled cutting system and a rotational molding machine. (Translated from French)

**Click here to read more :** [www.tahiti-infos.com](http://www.tahiti-infos.com)

## Rotomolding Market News - Europe

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### **Coronavirus : SAT Thermique invests in people and new equipment to take up the challenge !**



SAT's (Savoie, France) activities did reflect the region's good economic health in the beginning of 2020 : "We were preparing to achieve the year of all records, in particular thanks to our expertise in products dedicated to surface treatments. thermal treatments and parts molding for aeronautics and automotive applications ", notes Walter Jaconelli, SAT's CEO. With its 5 areas of activity, industrial ovens, heat treatment equipment, ovens for polymerization of composite materials, rotational molding and slush-molding installations, and its ability to offer engineered solutions, SAT has extensive skills to adapt its solutions to the various needs of its prestigious customers such as, recently, Dassault, Airbus, Audi, Hutchinson, PSA, Renault, LISI and Safran. (Translated from French)

**Click here to read more :** [www.usinenouvelle.com](http://www.usinenouvelle.com)

## **Heatherwick Studio recreates Spun chair in granite for Singapore skyscraper**

09/10/2020



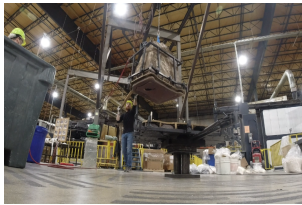
London-based Heatherwick Studio has created a series of Spun chairs made of granite for its EDEN skyscraper, which recently opened in Singapore. The architecture and design studio made a trio of Spun chairs, which it first created from spun metal in 2007, from an Austrian granite called Pannonia Verde for the plaza area that surrounds its residential EDEN skyscraper. The granite edition of the Spun chair is the latest version of the spinning top-shaped chair that the studio first made from polished copper and stainless steel in 2007. Heatherwick Studio created a limited edition series for London's Haunch of Venison gallery in 2010 and went on to work with Italian manufacturers Magis to make a mass-produced version from rotation-moulded plastic in the same year.

**Click here to read more :** [www.dezeen.com](http://www.dezeen.com)

## **Rotomolding Market News - North America**

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### **Plasticraft Needs People to Make More Products**



One Walworth County plastic fabrication company needs dozens of workers to start right now. "We could use 60 people tomorrow if we could get them. It's a very fun business to be involved in," Plasticraft Corporation President Matt Bushman said. Bushman started the business 30 years ago. At the time, it was focused entirely on a slam-dunk business, Huffy basketball bases. "We actually rotationally molded half a million plastic bases for portable basketball systems," he said. But through the years, Bushman now with 1,000 products simultaneously being made in his plant on any given day, realized he needed to diversify into everything from yard essentials to kid's toys.

**Click here to read more :** [spectrumnews1.com](http://spectrumnews1.com)

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