

ROWA news

NEWS FROM ROWA GROUP

ISSUE 2/2018 www.rowa-group.com

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 **ROWA GROUP**
 HIGH PERFORMANCE ADDITIVES AND TECHNICAL PLASTICS

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**ROWA GROUP at the Fakuma 2018:
 you are cordially invited!**

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Kai Müller
CEO
ROWA GROUP

Dear Business Associates,
Dear Ladies and Gentlemen,

Whether dealing with customers, at trade fairs, in product development or production - the concept of sustainability takes precedence over our approach. This is satisfying and above all appropriate and necessary. All business processes must be checked again and again according to ecological criteria and prepared for the challenges facing the plastics industry. We are in a phase of growth, the demand for polymers is and will remain on an upward trend - current forecasts expect an annual increase of four percent by 2022. This is good news for us manufacturers on the one hand, but on the other hand we will be even more challenged in the future to find responsible solutions for the treatment and destination of materials and to make resource consumption more sustainable.

Our successful examples show that innovation does not have to contradict ecological and economic efforts: Our ROTEC® AC materials are being used more and more in the automotive industry and enable more environmentally friendly and efficient production. The materials do not require any further processing - i.e. the painting process and thus material and energy consumption are eliminated.

Working together with you, our partners, customers and colleagues, it is particularly important to us to continue to develop innovative solutions that contribute to more sustainable production. This subject will most certainly occupy us during many discussions at this year's Fakuma. The ROWA GROUP team is looking forward to discussing the topics of our industry with you individually.

One more thing on a personal level: Sustainability should be not just applied externally, but should always start with oneself. The ROWA GROUP, for example, has its own in-house recycling system that processes remnants and rejects for reuse.

Further insights into innovative developments and outlooks can be found on the following pages. We hope you find the current issue of ROWAnews both entertaining and inspiring and look forward to a personal discussion with you at our newly designed booth in mid-October!

With best regards

Kai Müller

BEAUTIFUL NEW WORLD OF COLORS



Elegant sedan, stylish coupé or sleek city car - the automotive industry is always captivating with new trends and looks. This is attributed to the designers, who have long since ceased to focus solely on visual appearance and emotions, but also on utility, efficiency and, not least, environmental aspects. The innovative product developments of ROMIRA make it the perfect partner - as the use of acrylic (AC) compounds promises design freedom, cost efficiency and environmental protection.

AC-compounds represent a new dimension in the world of colors. They enable automobile manufacturers to produce color-coded trim parts for small series, limited editions, advertising and sports versions of their vehicles. ROMIRA supports designers and developers in formulating individual colors in cooperation with the in-house Color Competence Center of the ROWA GROUP.

Freedom for creativity

ROTEC® AC-compounds are suitable for the production of first-class parts with a high-gloss or deep-matt finish. It is even possible to produce high-gloss and matt in one injection cycle and one component. Working with the toolmaker, the designers can thus integrate complicated decorative elements into the part to be produced. ROTEC® AC-compounds can be used for elements such as contrast surfaces, lines, product branding and consequently also for decoration by foil embossing and for logos with metallic effect surfaces or lettering.

Benefits for suppliers

As the components made of ROTEC® color acrylic compounds are ready for use directly in the mold, no large stock is required and only a reduced storage area compared to painted parts. The elimination of a production process also simplifies the planning process and improves operational efficiency by reducing the time between raw material intake and the completion or sale of the product. Customized vehicles can be produced in very small quantities, because the same tools can be used to create a variety of designs in addition to colors and the high-gloss and matt variants.

Less energy for greater environmental protection

ROTEC® AC materials contribute to a more sustainable and environmentally friendly production due to their properties and their efficient usability: Unlike painted parts, parts made of ROTEC® AC-compounds do not require any further processing. Since no painting process is required, material, time and energy are saved significantly - for example, paint drying systems with relatively high energy consumption can be dispensed with. It is no longer necessary to dispose of paint and solvent-polluted containers or cleaning and covering materials, solvent extraction systems are no longer required, nor is solvent reduction, solvent recovery or solvent recycling.

Beauty also comes from within

As a result of stone chips and general wear and tear, unsightly signs of wear quickly appear, especially on the exterior trim and particularly on the front end parts. Usually the black base material is painted, any abrasion of the painted surface can cause the black to shine through and impair the aesthetics of the vehicle. This can be remedied by costly repainting - until now! With solid-colored ROTEC® materials, scratches and wear are far less visible. And unlike painted surfaces, light surface scratches can be re-polished to restore the surface quality of the part.

ROMIRA cooperates in this field with tool manufacturers and injection molding experts. Together, we continue to optimize products and in doing so create impressive design references - always focusing on the motivation, needs and wishes of designers such as sustainability, cost efficiency and creative freedom.



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THE NEW GENERATION ROMILOY® ASA/PC SPECIAL COMPOUNDS



The constantly growing demands in the automotive market with regard to design, economic and - increasingly more important - ecological aspects challenge compounders to continuously optimize specific properties and develop new materials. Application-ready and affordable polymer blends play a significant role here.

One requirement of automobile manufacturers, for example, is to create particular effects on a part after injection molding without complex and expensive subsequent operations. This is possible with polymer blends that satisfy a multitude of requirements due to their wide range of properties and combinability. The desired specifications can be achieved by combining various polymers and additives in polymer blends as special compounds.

ROMIRA has made its mark as a specialist in this field. The company is able to guarantee or develop the desired property profile for many applications with ROMILOY®/ROTEC® or LURANYL® compounds. This also includes the new generation of ASA/PC-special compounds such as ROMILOY® EXP2712 with matt finish or ROMILOY® 6065 or ROMILOY® 6070 with a high-gloss finish.

ROMILOY® ASA/PC-compounds are characterized by their excellent impact strength and heat stability - similar to PC/ABS. The ASA-component, however, and in particular the use of special additives, can provide outstanding UV and weathering resistance. As a result, these ROMILOY® materials are suitable not only for interior applications but also for exterior applications.

Depending on the weather resistance, the use of the various compounds in the exterior is first determined for the corresponding zones from 1 to 3, as shown in the Picture above.

The materials used in zones 1 and 2 in particular must demonstrate extremely good weather resistance. In the accelerated weathering test, ROMILOY® EXP2712, ROMILOY® 6065 and ROMILOY® 6070 achieve an evaluation of 4/5 to 5 according to the DIN EN 20105-A02 gray scale after a one-year and two-year cycle in the Florida and Kalahari climate. This makes these materials, whether in matt or high-gloss finish, an excellent choice for applications without surface finishing such as painting. Thanks to their excellent impact resistance and strength, they can also be used in zone 3. This new generation of ROMILOY® ASA/PC-special compounds can consequently be used in all three zones.

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	ROMILOY® EXP2712 PC+ASA Matt	ROMILOY® 6065 High-gloss	ROMILOY® 6070 High-gloss
Rating, gray scale after 3200h, Xenotest, corresponding to 2 years Florida climate (warm-humid)	4/5	5	5
Rating, gray scale after 1600h, Xenotest, corresponding to 1 year Kalahari climate (hot-dry)	5	4/5-5	4/5-5
Charpy notched impact strength, 23°C DIN EN ISO 179 1eA, kJ/m²	18	50	40

ROMIRA TAKES TO THE SLOPES

ROMIRA has extended its successful range of polyamide products: the new blends of polyamide 6 and polypropylene that the company has just launched combines the positive properties of both starting products. The new ROMILOY® PA/PP blends have polyamide to thank for their good mechanical properties, and the polypropylene reduce the inherent water absorption of the polyamides, leading to a greater dimensional stability. In a direct comparison with polyamide 6, the new ROMILOY® PA/PP blends already have higher notched bar impact strength even at dry-as-molded state and offer a constant mechanical properties profile after conditioning. What's more, polypropylene reduces the density of the products and thus the volume consumption and costs for the user.

Strictly speaking, the two products polyamide and polypropylene are incompatible, i.e. cannot be mixed. However, thanks to ROMIRA's recipe and process know-how it has been possible to mix and distribute the two phases homogeneously and stably.

The new products will be used wherever the good properties of polyamide are needed, but without any losses through the absorption of water. Examples include sports equipment, in particular ski bindings, as well as the automotive, industrial and electronic sectors.

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Characteristics	PA6 and/or PA 6.6	PP	ROMILOY® PA/PP
Density	0	+++	+
Volume price	+	+++	++
Flowability	+	+++	++
Notched impact strength	+	++	++
Cold impact strength	++	0	++
Surface quality (sink marks)	++	0	++
Warpage	++	0	+
Stability	+	0	+
Heat resistance	++	-	+
Resistance to moisture absorption	0	+++	+
Chemical resistance	+	+++	++
Processing	++	++	++

INDUSTRY EXPERT STRENGTHENS ROMIRA



Welcome Sven Guzielski! Since last June, Guzielski has been the sales manager for ROMIRA. The 45-year-old is an industry expert with more than 24 years of experience in different positions and fields of work within the plastics industry. The passionate water sports enthusiast has held executive positions since 2007 – most recently as a division manager for distribution at a reputable medium-sized enterprise in the industry. At ROMIRA, Guzielski will be in charge of market development and responsible for profitably expanding sales activities. "I have worked in the plastics industry since the start of my professional career. I am now really looking forward to contributing my entire expertise to ROMIRA and to forging ahead in my favorite field, "sales", is how Sven Guzielski comments his start of work.

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LASER MARKING OF PLASTICS

ROMIRA, an independent compounder, has been setting standards in the production of technical compounds and blends for over 25 years. Utilizing technical know-how and state-of-the-art production facilities with the aim to offer customers the best possible solutions is what distinguishes the company from competitors. Thanks to ROWA Masterbatch's state-of-the-art laser marking machine, ROMIRA is able to offer a broad range of already developed and customer-specific product solutions for laser marking.

The advantages of laser technology, compared to pad printing, for example: the laser operates quickly, contact-free and efficiently. As there is no need for retooling in case of design changes, both the production time and reject rate can be reduced.

The laser marking process is used for product labeling – for example to inscribe serial numbers and to alter the surface design in terms of coloring and structure. Apart from the preset laser parameters, the laser additive used as well as the material itself are crucial for the quality of the labeling.

With polycarbonate (PC) and styrenic copolymers (PS, ABS, ASA, AES, SAN) a dark marking is achieved by partial carbonization, i.e. charring. With polyacetals (POM) and polyacrylates (PMMA) a light marking can be produced by foaming.

Polycarbonate is easy to mark even without laser additive, but the quality of the marking – contour definition and contrast – can be greatly improved by the use of the right laser additive. When marking styrenic copolymers, on the other hand, a laser additive is essential because the marking is poor quality without special additives. Polyacetals and polyacrylates foam, as a result of the interaction with the laser and produce very contrasting, light markings in dark colors with the corresponding additives.



Glass fibers and glass beads normally have no effect on the marking contrast. Mineral fillers such as talcum, however, may have a slightly negative effect. What's more, the flame retardants used in certain fire-resistant products can hamper laser marking because they prevent the combustion process.

In a general comparison, labeling of plastic parts by means of laser marking has proven to be an effective method with great

benefits. Thanks to its many years of experience and ROWA GROUP-wide expertise ROMIRA is the perfect partner on your side and always open to new projects.

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SERVICE À LA ROWASOL: PERFECTLY DOSED

Customer service taking top priority at ROWASOL is a fact that becomes clear from the very first contact. Anyone who expresses an interest in the products and wants to convince themselves of the quality and benefits of the liquid colors for coloring plastics, is given the chance to get to know the comprehensive service package which includes free of charge sampling at the customer's facility.

During initial talks, the possible uses of liquid coloring are discussed and the matching ROWAMETRIC dosing system is presented: various pump styles are possible depending on the application and coloring requirements. For example, a hose or peristaltic pump is the ideal dosing unit for small batch sizes and numerous color changes. A progressive cavity pump, on the other hand, may be the best solution for "endurance runners" or very small dosages. And if the color has to be injected into the melt at a very high pressure, a gear pump should be used.

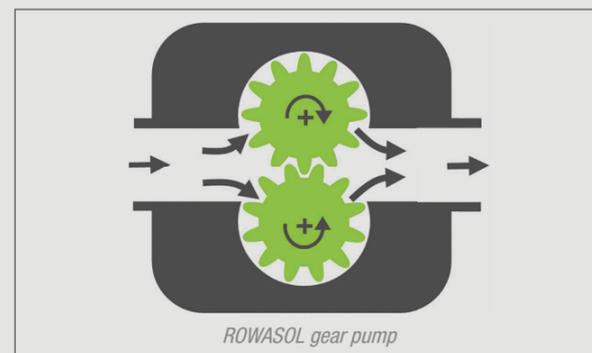
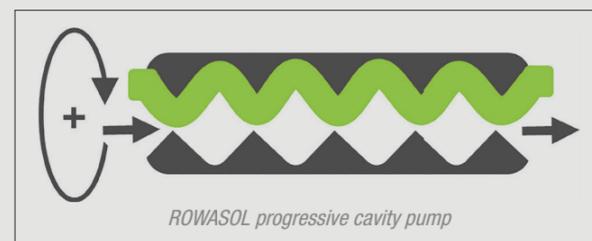
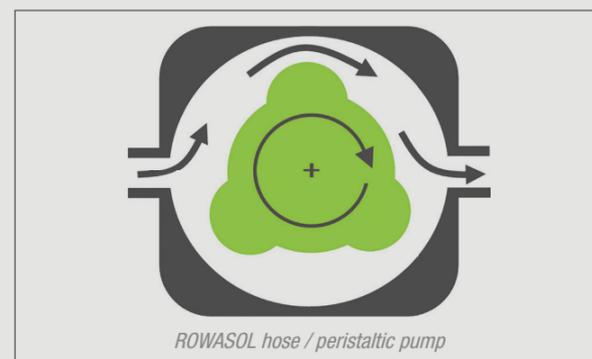
Once all of the key data has been clarified and a suitable project identified, the ROWASOL team begins

by matching one or more colors to the customer's specifications. A cost-benefit analysis can then be drawn up on the basis of the resulting liquid color and sales price.

With the support of our newly staffed sales and service team there now follows the most important aspect of the project: the field test. Using the set color and a matching dosing system, ROWASOL takes care of the installation of the liquid dosing unit on the premises of the interested party and provides the necessary instruction so that they can perform the requisite tests themselves. Thanks to the easy operation, the color and pump can also be dispatched with an understandable quick guide at the customer's request – allowing tests to be performed autonomously with maximum flexibility.

The equipment is placed at the customer's disposal free of charge for longer test phases lasting several days. If tests lasting several months are needed, ROWASOL makes an offer for rental or leasing, the costs of which will be offset against any final purchase.

In this way, ROWASOL offers its customers not only a no-risk service package but also a guarantee for the right dosing technology.



	PERISTALTIC PUMP	PROGRESSIVE CAVITY PUMP	GEAR PUMP
APPLICATIONS	injection molding / extrusion	injection molding / extrusion	extrusion
DOSING POSITION	above main hopper	above main hopper	above main hopper or in polymer melt
DOSING RANGE	from 1 g/min	from 0.1 g/min	from 1.5 g/min
COLOR CHANGE	switch hose	purge or switch pump head	purge pump head
KEY BENEFIT	fast color changes	pulsation-free also at low dosages	color injection down-stream up to 300 bar
FIELD OF USE	frequent color changes, high variety of colors, small batch sizes	few color changes, limited color diversity	continuous processes, few color changes

The table shows the properties and fields of use of the various pumps.

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INNOVATIONS FOR THE FUTURE: SENSIBLE ADDITIONS TO THE PMMA RANGE

ROWALID® pigment preparations are an established name on the market for which ROWA Lack is experiencing a constantly growing demand. In order to successively develop the business further and to optimize the portfolio, the company has come up with further grades for an even more extensive range of PMMA preparations.



Currently, ROWA Lack offers an impressive choice of highly concentrated single pigment preparations with the frame structure PMMA (polymethylmethacrylate), whose focus lies in the area of the organic pigments.

To make this portfolio ideal for the requirements of the market in future, the company has extended its offer with additional innovative grades. The focus of the development was on the elaboration of the products, which help achieve a perfect balance between the desired functionality (resistance to light and weather)

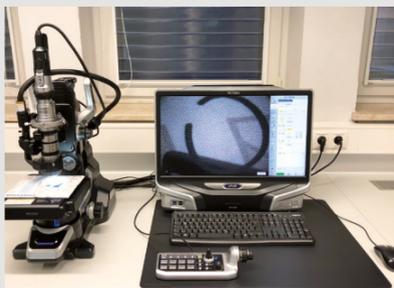
and the color target. ROWA Lack has been successful with the new ROWALID® PMMA preparations.

ROWA Lack offers a standard range of color shades in ROWALID® PMMA. With the help of the new ROWALID® developments, ROWA Lack now shows numerous design possibilities; for example, only a minimum use of energy is necessary in the thermoplastic area for maximizing coloring. Along with this, the required color intensities and transparencies can already be achieved with a low effort.

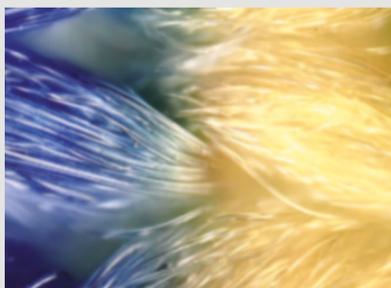
Interested parties are more than welcome to obtain more information about the product range in a personal meeting – also at the Facuma 2018 in Friedrichshafen, **hall B1 booth 1212.**

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DIGITAL MICROSCOPY: LITTLE THINGS REALLY BIG



Digital microscope with computer, software and control panel



Images of fibers at 500 times magnification.
Left: normal image, right: image with large depth-of-field.

Insufficient leveling, wetting problems and inhomogeneous coating thicknesses – problems like these, which can already occur during the coating process, clearly demonstrate that the high-quality, industrial coating of plastic web material as well as the development and choice of suitable lacquer systems are relevant topics. Aging under the effects of moisture, temperature and/or light can also lead to damages if unsuitable lacquer systems are used or the quality of the coating is inadequate. The formation of cracks, discolorations or even the complete delamination of the lacquer film are only some of the possible consequences. The ROWA GROUP is aware of these difficulties and once again proves that it is up to these challenges: These problems and defects often occur on a microscopically small scale, particularly in their initial stages. ROWA Lack, together with ROWA Masterbatch, has now invested in a modern digital microscope so that it can not only get to the bottom of issue, but also understand the problems and develop solutions.

Depending on the specific problem and the necessary resolution, users can choose between two different lenses that cover the range from 20 to 200 and 500 to 5000 times magnification.

Compared to classic light microscopy, digital microscopy gives users the chance to view, measure and

save the images directly on a computer. Images with a very high depth-of-field at high magnifications can also be produced with digital microscopes. An additional effect during the generation of these images with large depth-of-field is the simultaneous production of 3D images of the object being observed, which can also be measured using the corresponding software.

In order to always be able to put the samples under investigation in the best light, coaxial illumination through the lens or lateral, adjustable-angle illumination are available to the user. These different kinds of lighting can also be combined with one another. Furthermore, a panorama image consisting of several individual images can be produced to show larger objects in a high resolution and magnification.

Polarization filters, HDR imaging and free-angle observation of three-dimensional objects round off the possibilities offered by the new digital microscope.

ROWA Lack gladly offers its customers to help them identifying coating problems, defects and failures in lacquer films.

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EXPANSION OF CAPACITIES AND START OF PRODUCTION IN THE NEW PLANT



A lot of planning was necessary, and then the day finally arrived: TRAMACO GmbH was able to put a new production line for TRACEL® masterbatches into operation in July. The start of this additional line also coincided with the use of the company's new location in the Schleswig-Holstein town of Tornesch, just a few minutes' drive from the company's former site in Pinneberg.

TRAMACO is now moving completely to the future company headquarters one step at a time, whereby the undisturbed continuity of production takes priority. "We finally have the space we need for further growth at the new site", says TRAMACO's Managing Director Dr. Carsten Mennerich. "This is where we can continue to expand the production of our foaming agents and additives and thus satisfy the requirements of our global customers even better." The new site is characterized by short distances between production, warehouse, laboratory and commercial operations as well as excellent transport links directly on the "Autobahn A 23" highway.

Apart from the establishment of additional production capacity and space for further production lines over the coming years, the location offers a greatly enlarged competence center with laboratories, pilot plants and offices, in which product development, application technology and quality assurance can work hand in hand. "We have made sure that our employees have the ideal working conditions when planning the new plant. This does not apply for the production area only but also for all of the other colleagues. Another highlight is the TRAPYLEN® laboratory, where we will be further developing our range of water and solvent based primers and adhesion promoters, but will also be able to test these more practically in future", explains Dr. Carsten Mennerich.

Customers will hardly notice the move – the PO Box address and familiar telephone numbers have been retained, only the address for visitors will be different. Nor will there be any changes to the close cooperation with other companies in the ROWA GROUP – TRAMACO will continue to benefit from the synergies with the group of companies.

 **The new address**
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STYLING EXPERT MEETS ROWA MASTERBATCH



Professional hair and beard styling for men, smooth and seductive skin for women: These are no longer passing fads, but personal statements, or even part of a lifestyle. In recent years, body culture has produced unimagined trends not only in general hair styling, but also in the private and more intimate parts of the body. Naturally, those people who make such an effort in their

own appearance also want to surround themselves with objects that are beautiful in form and color.

Wahl Hungaria is one of the major players in the styling equipment sector for professional hairdressers as well as a supplier of professional styling equipment for animal grooming, and they also produce high-quality

products for private use. ROWA Masterbatch is a partner of this quality-conscious trendsetter - key factors, after all not only lie in the product's capabilities but also its feel and appearance.

This is exactly where ROWA Masterbatch comes in: The specialist for polymer-specific color, additive and combination masterbatches supplies Wahl Hungaria Kft. with the ROWALID® SAN-20003 color masterbatch for coloring the housings of its bodyshaving series for trend-conscious women.

The robust Lady Shave in the highly popular velvety violet „Rosé“ color, is extremely reliable and durable thanks to its superior design. The optimal interaction of the impact-resistant ABS with ROWA's color masterbatch guarantees a perfectly styled device - and in turn a perfectly styled user.



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MASTERBATCHES FOR 3D PRINTING

The whole world is talking about 3D printing, for both large building projects and private uses. The first bridge made by 3D printing will be opening for pedestrians in Amsterdam at the beginning of 2019, for example. ROWA Masterbatch is also addressing this hot topic and is increasingly proving to be an ideal partner for various 3D printing products.

3D printing is a generative method for the layer-by-layer manufacture of three-dimensional objects on the basis of digital 3D models using a wide variety of materials such as plastics, photo resins, metal and silicones. The first technologies such as stereo-lithography, selective laser sintering and fused filament fabrication (FFF) had already been put to successful use in the 1980s.

3D printing is particularly popular for the manufacture of prototypes, complex models and spare parts. Prototype construction by means of 3D printing, right through to small series production, has been successfully introduced into the fields of architecture, art, mechanical engineering, automotive construction, aerospace, medical technology and construction technique, amongst others. A further use of 3D printing is mass customization: one example that can be named here are bespoke shoes that are tailored to the individual shape of the wearer's feet. Experts are expecting the market for 3D printing to grow significantly in the coming years, with some sectors even experiencing a revolution thanks to this method.

ROWA Masterbatch, as a manufacturer of color and additive masterbatches and supplier of customized solutions, supports the establishment of 3D printing with the production of various colors and properties. In an initial project that has been realized in cooperation with Dr. Thorsten Pretsch, the Head of the research department Synthesis and Polymer Technology at the Fraunhofer Institute for Applied Polymer Research IAP

in Potsdam-Golm, ROWA Masterbatch is testing ROWALID® FFF products for the manufacture of filaments and their use in fused filament fabrication. The Product Manager Dr. Natalia Olichwer is responsible for the project on behalf of ROWA Masterbatch: "3D printing is a very exciting topic and we are delighted to be gaining experience in this field with the famous Fraunhofer Institute. The results of our first tests are very promising and definitely worth further investigation." Which means that this will certainly not be the last time we report on 3D printing in ROWAnews!



More information

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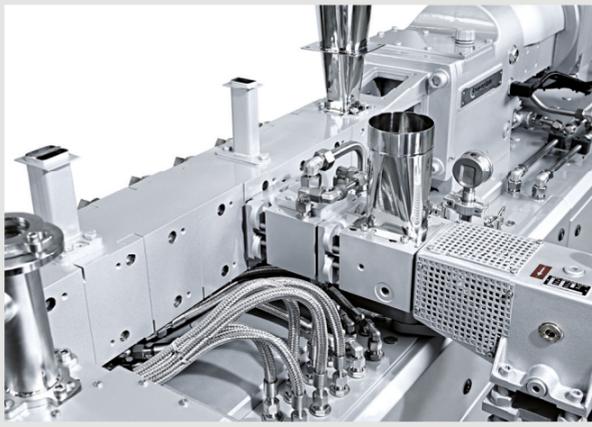


3D-filament



3D printer in use

SMALL SCALE AS WELL AS LARGE SCALE



reliable scale-up that is available, ROWA Masterbatch is now able to efficiently transfer formula developments from laboratory to production scale.

With expertise and creativity, the company has demonstrated for over 40 years that there are individual solutions for almost all customer specifications and requirements. In addition to successful cooperation with the customer and, of course, the highest product quality and safety, the focus is also on responsible use of resources. A laboratory machine such as the new ZSK 26, which reliably tests the possibilities for small-scale production, is a helpful component.

ROWA Masterbatch further optimizes efficiency, quality stability and service with its investment in the new laboratory machine ZSK 26. The twin-screw extruder from Coperion can produce the same product as its big brother ZSK 45 - but to a lesser extent. Thanks to the

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PLASTIC PARTS IN A METALLIC LOOK ARE CONQUERING THE AUTOMOTIVE SECTOR

There is a new trend in the premium segment of automobile manufacturers: the use of plastics in a metallic design for vehicle parts such as radiator grilles, scuff plates and applications in the bumpers. The advantages of this include less paintwork and the easier production of large quantities. ROWA Masterbatch has taken this development on board and positioned itself as an attractive partner.

More and more lightweight constructions – driven by the growth in e-mobility – and the customers' wishes for a modern design and appealing, by all means glamorous looks, dictate the ideas and developments in the automotive sector. The use of plastics is hereby a modern and expedient step forwards: this material allows a number of additional color variations, whilst the components, and thus the overall vehicle, appear to be of a higher quality. And through-dyed plastics are also delighting manufacturers and final consumers in practice because minor scratches are not only hardly visible, they can also be repaired very easily and do not usually require a costly replacement of the application. Nevertheless, the plastic applications do have to satisfy the requirements of the automotive industry, just like conventional components – above all with respect to environmental influences and their effects on the mechanical systems.

ROWA Masterbatch can offer individual solutions in the very popular field of silver metallic. The newly developed ROWALID® FX series is proving very convincing with colors ranging from aluminum to titanium gloss. The latest "in fashion" colors in the automotive sector are copper and brass tones, which have a strong metal effect and offer very good contrasts to the car paint. Pastel shades that produce warmer tones can also be realized in combination with colorants.

In order to constantly expand its portfolio and offer its customers system solutions, ROWA Masterbatch is cooperating with renowned special effect pigment manufacturers to formulate masterbatch solutions. Products in a metal design have gained acceptance in vehicle interiors for quite some time now and offer customers greater flexibility when it comes to a choice of colors.

ROWA Masterbatch is constantly expanding its know-how to continue to position itself as a reliable, strong partner for current and prospective customers.

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SUCCESSFUL TRADE FAIR APPEARANCE IN A NEW YORK GUISE

In May, around 2,200 exhibitors presented themselves in Orlando, Florida, at the North American plastics trade fair National Plastics Exhibition (NPE). Roughly 55,000 trade visitors took the opportunity offered by the triennial exhibition and conference to find out more about products, services, news and visions in the plastics industry and swap ideas. The ROWA GROUP, represented by ROWA Inc., also had a booth at the event.

Around two-and-a-half years ago, the new production facility for the ROWA GROUP in the United States went into operation in Croydon, Pennsylvania. This is base from where ROWA Inc. produces and sells its own developments as well as products from TRAMACO, ROMIRA and ROWA Masterbatch in North and Central America.

At the NPE, the ROWA Inc. staff welcomed familiar customers and partners as well as a number of interested new contacts to their modern, New York-style fair booth. ROWA Inc. presented new products and services from the business units of the ROWA GROUP, in particular products from their German partners: technical plastics from ROMIRA, color, additive and multifunctional masterbatches from ROWA Masterbatch as well as specialties from TRAMACO's own production in the field of chemical foaming agent, bonding agents and additives.

"The NPE is a very important trade fair for us on account of the exhibitor structure. We were able to put this forum to excellent use so as to make our location in the USA and the name ROWA more widely known," sums up the ROWA GROUP CEO Kai Müller.



> More information
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ROWA GROUP AT THE FAKUMA: YOU ARE CORDIALLY INVITED!



The world's leading event for industrial plastics processing, the Fakuma, is being held for the 26th time this autumn. Between October 16-20, 2018, visitors to the Friedrichshafen Exhibition Center will be able to get a comprehensive insight into all processes, technologies and tools that are relevant for plastics processing – and naturally the ROWA GROUP too.

Visitors will be pampered here with an excellent cappuccino from the barista. "We want our visitors to feel comfortable and at ease so that they can forget the hectic atmosphere of the trade fair and hold some interesting talks with our employees about our ideas, concepts and innovative solutions", says Kai Müller, the CEO of the ROWA GROUP.

The completely revamped, welcoming design of wooden floors in combination with light brick walls and transom windows with wooden tables, bar stools and modern seats give the booth an industrially influenced, lively flair.

But why not come and see for yourself – anyone who is interested will find the ROWA GROUP in **Hall B1, Booth 1212**. The team is looking forward to numerous visitors and an intense exchange of ideas!

TRADE FAIRS 2018/19

The ROWA GROUP at international trade fairs



Fakuma
Hall B1, Booth 1212
ROWA GROUP
Friedrichshafen
16.-20.10.2018



Plast Eurasia
Hall 5, Booth 504A
ROMIRA
Istanbul / Turkey, 5.-8.12.2018



ECS
Hall 1, Booth 609
Tramaco with ROWA Lack
Nürnberg, 19.-21.03.2019



VDI - PIAE Plastics
in Automotive Engineering
ROMIRA
Mannheim, 3.-4.04.2019



Techtextil
Hall 3.0, Booth F53
ROWA Lack with Tramaco
Frankfurt, 14.-17.05.2019



Automotive Interiors Expo
Booth A4329
ROMIRA
Stuttgart, 21.-23.05.2019

Why not take these opportunities to meet the ROWA GROUP at trade fairs this year and get the latest news on our products.

IMPRINT

Published by: ROWA GROUP Holding GmbH
Siemensstraße 1-9 · 25421 Pinneberg/Germany
responsible according to the press law: Kai Müller

Edited by: Menyesch Public Relations GmbH

Graphic Design: Winneberger & Haacker

Print: Print & More Piffremont

OVERCOME ANY OBSTACLE WITH TEAM SPIRIT



At StrongmanRun it got really wet

The fact that employees in the ROWA GROUP are highly motivated in not just their specialist field became evident last summer in two sports events: on June 9, 13 employees along with around 3,000 other runners conquered the hallowed Heavy Metal ground in Wacken in the Fisherman's Friend StrongmanRun. The 10.3 km course presented obstacles such as WALL OF PAIN, MATSCHO WALK, RUTSCH'N'ROLL and HEAVY WET-AL that had to be overcome. The ROWA colleagues mastered the dizzying heights of the overseas containers and obstacles in the mud with flying colors and obvious fun, clambering, creeping, wading, scrabbling and crawling their way. All of the ROWA entrants reached the finishing line together exhausted, but happy and proud to have overcome their weaker self.

And things continued directly on June 10, with the 19th city park triathlon in Hamburg, organized by the FC St. Pauli. Four teams from the ROWA GROUP – ROWA mixed, ROWA the Trainees, ROWA The Researchers and ROWA The Cutters – as well as the individual starter Rolf Hartert lined up at the start. The team of trainees achieved a magnificent 13th place in the mixed team class with the support of Carsten Westphal. Rolf Hartert came in a fantastic 18th place in his age group in his first complete sprint triathlon. The total of around 1,400 triathletes mastered 500 m swimming, 20 km cycling and 5 km running.

Dedication, team spirit and the fun of a challenge – these are the characteristics of ROWA GROUP employees, both at work and at play. We would like to congratulate all of the colleagues on their sporting achievements.



Great teamwork performance at the city park triathlon

FIRED UP FOR ICE

The summer really did show itself in its best light this year – with blue skies, brilliant sunshine and temperatures on a permanent high. What's best to cool off in such tropical weather? An ice-cream of course! That's what the ROWA GROUP thought too, and rolled out the "EisBahn" at midday on July 18, 2018, at the height of the heatwave. The company invited its employees to an ice-cream sundae in front of silos 7 to 14 on the ROWA site to wish them "a beautiful summer." The long queues in front of the EisBahn and the happy faces of those who had been served said it all: the cool surprise was a hit!



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