

UPDATE

Fragrance & Cosmetics

GERRESHEIMER

2019/2020



Gerresheimer has invested several years in developing a sustainable and high-quality cosmetic glass with a higher recycled-glass content and will be presenting environmentally friendly yet aesthetic solutions at Luxepack. Here are a few of the latest examples.

Gerresheimer is driving sustainable cosmetic glass packaging by using more post-consumer recycled glass

As a leading producer of glass packaging for cosmetic products, Gerresheimer is committed to driving sustainability in the sector. Gerresheimer has been successfully producing glass with a high proportion of post-consumer recycled (PCR) material for over 10 years in Momignies, Belgium. From 2020, Gerresheimer will also begin producing glass with a higher proportion of recycled glass at the Tettau site in Germany. By using recycled glass, new high-quality cosmetics packaging can be produced, thus helping preserve our natural resources. As the market leader in recycled glass production of cosmetics packaging, Gerresheimer is driving circularity and resource

savings every day. At Luxepack in Monaco, Gerresheimer will be showcasing some examples of products for customers including The Body Shop, L'Oréal, Biotherm, Fresh, Clarins, and L'Occitane at booth RC09.

"We have been using recycled glass for cosmetic packaging for over 10 years now, making us market pioneers," says Nicola Balena, General Manager at Gerresheimer Momignies. "Our recycled glass packaging has won over many of our customers seeking to improve their packaging sustainability without trade-offs. We are committed to the circular economy and only produce cosmetics packaging

with a high post-consumer recycled glass content. We are ahead of the market in this respect." Working together with its customers, Gerresheimer has developed glass for cosmetics packaging that has the highest percentage of post-consumer recycled (PCR) material available today, while offering an unprecedented level of quality.

Optimal Supply Chain Agility

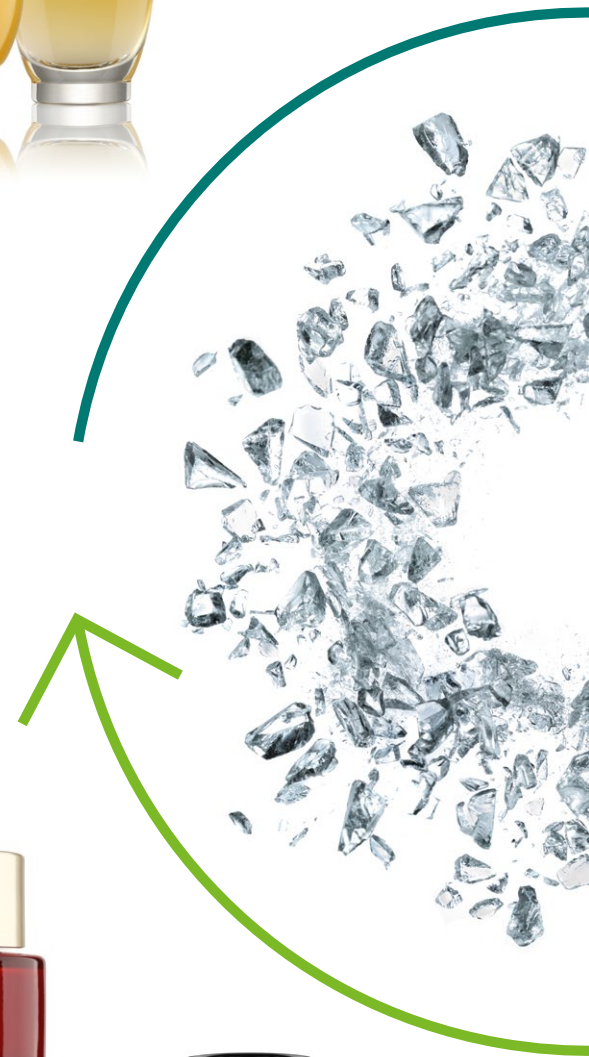
The clear-glass furnace in Momignies turns recycled glass into cosmetic glass around the clock and the whole year. The site in Tettau will follow suit from 2020 onward.

Pushing the limits of recycled content in cosmetics glass packaging

As part of its commitment to circular economy, Gerresheimer has worked hard to reduce the proportion of raw materials (sand, calcium oxide, and sodium carbonate) used in its clear glass to just 45% of the materials melted in the furnace. The glass composition has been audited and certified by Belgian company RDC environment, which also completed a full life cycle assessment (LCA) of Gerresheimer's recycled glass. This LCA was then reviewed by Quantis, expert in sustainability for cosmetics packaging. They also meet the requirements of the EU legislation and the newly established Spice Initiative.

Providing sustainability benefits without aesthetic trade-offs

Glass bottles and jars are the go-to primary packaging material for many cosmetics products because they look elegant and convey quality while safely protecting their contents. Glass is also a 100% recyclable raw material, meaning it can be turned back into glass many times over in a circular system. Moreover, the higher the proportion of recycled glass used, the less energy is needed for production. This means the amount of recycled glass used at the Momignies site leads energy savings at the production stage compared to non-recycled glass. Using recycled glass also helps to preserve valuable resources, as glass is made from silica sand, sodium carbonate, and calcium oxide as well as dolomite, feldspar, potash, and metal ions for coloration. While still conveying quality and elegance, recycled glass in cosmetics packaging saves energy, natural resources and reduces carbon emissions.



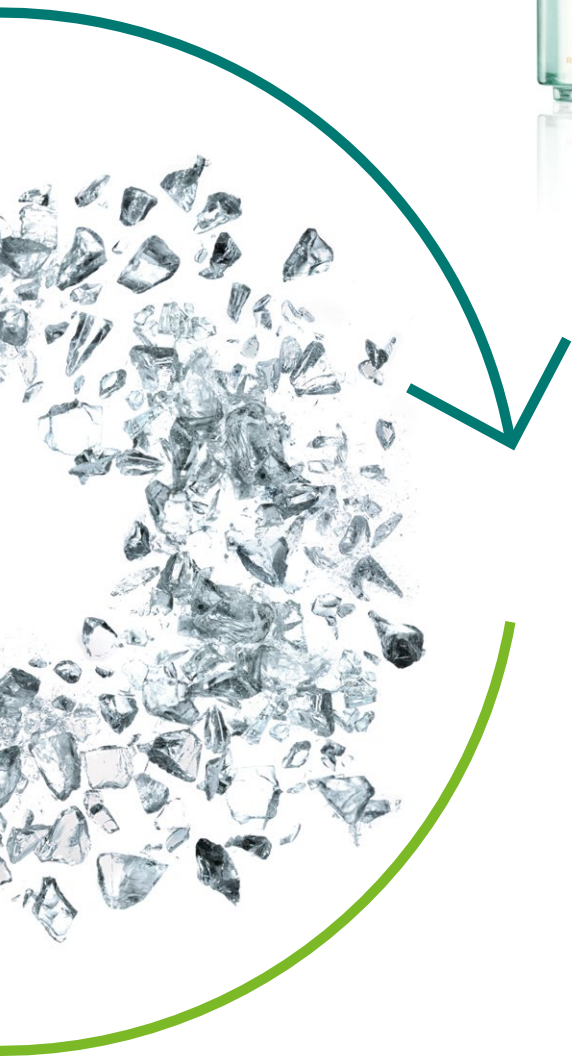
Experts from Gerresheimer

... will be telling visitors all about sustainable glass production and presenting numerous new designs at booth RC09 at Luxepack 2019 in Monaco from September 29 to October 2, 2019.



Gerresheimer as a partner for the cosmetics industry

Gerresheimer offers a portfolio of innovative glass and plastic packaging for perfumes, cosmetics, and body care products. It boasts standard shapes as well as customized packaging based on individual requirements. As a leading partner of the selective cosmetics, masstige, and mass markets, the company offers sustainable and state-of-the-art technology, individual finishing and decoration techniques, and a wide range of materials to produce high-quality packaging solutions.



Moulded Glass Fragrance & Cosmetics

TECHNICAL FEATURES

- Glass colors: flint, amber, opal in the furnace; several lines for feeder coloration
- Glass machines: single, double and triple gob
- Production process: 1-step pressing (jars), press/blow (jars), blow/blow (bottles)
- Flexibility within the Group: all molds/machines have the same standard
- In-house mold shops
- All plants are ISO certified; production according to HACCP and GMP cosmetic standards optional
- Fire polishing

IN-HOUSE FINISHING

- Multi-color screen printing (organic, ceramic, UV inks)
- Pad printing (also on the bottle base)
- Color spraying (also multi-color)
- Acid etching
- Hot foil stamping
- Neck finish sealing (thermosealing)
- Labelling
- Assembling





Sustainable plastic packaging for personal care

With our high-quality plastic product spectrum we serve the international cosmetic and personal care industry in all market segments across the entire field of beauty and health care.

We offer standard range and we develop customized solutions tailored to our customers' needs.

Plastic materials

PET | R-PET | BIO-PET

As Gerresheimer Plastic Packaging is committed to environmental concerns we offer our PET ranges with different mixtures of post-consumer recycled materials. We can produce cosmetic bottles made of up to 100% R-PET.

Ecological aspects

Besides using recycled materials, Gerresheimer is also motivated to help our customers contribute to the reduction of greenhouse gas emissions by using biomaterials. Biomaterials are the renewable alternative to conventional PE/PET.

Sugarcane is one of the substances used to make biomaterials. You take the ethanol from the sugarcane plant and then put it through a dehydration process to transform it into green ethylene. Afterwards the green ethylene goes to the polymerization plants, where it is converted into green PE/PET.



Plastic Packaging Personal Care

TECHNICAL FEATURES

- ISBM technology
- PET, R-PET, BIO-PET
- Colored, transparent, translucent and opaque bottles
- Different mixtures of post-consumer recycled materials
- 3D CAD design software
- ISO 9001

DECORATION

- Silk printing
- Hot stamping
- Varnishing

Please send your feedback to: info-cosmetics@gerresheimer.com

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