

ROCTOOL

MOLDING MATTERS.

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ROCTOOL'S GREEN INNOVATION ENTERS THE BEAUTY WORLD.

Roctool, renowned for its technology allowing the obtention of high-definition surface quality in injected plastics, especially on the automotive and hi-tech markets, is introducing Roctool Beauty Solutions, bringing the world of beauty packaging an innovative technological solution that is cost-effective, offers premium esthetics and most of all, superior sustainability credentials.

Roctool makes it possible to produce plastic parts with unequaled surface quality, avoiding secondary operations (such as painting or decoration), reduces the thickness of parts by improving the material flow, all thanks to their patented high heat molding technology. Roctool works in partnership with brands to meet their expectations regarding costs, operating times and **environmental commitment**. Roctool's technology is used predominantly in plastic injection, blow molding and compression molding. It is suitable for most plastic resins, and offers ultra-premium surface qualities.

Patented technology

The process of material transformation lies between the thermal exchanges created between the mold and the material, and Roctool has developed an ultra-fast induction heating process in order to replicate the surface of the mold directly on the injected part.

Roctool technology overcomes several challenges around "high definition plastic," pushing the level of mold replication to the maximum.



For example, a PCR ABS resin molded with Roctool technology offers a gloss unit (GU) of 85 and texture replication of 98%, compared with a GU of 53 and 45% replication that are possible with conventional molding.



Roctool Beauty Solutions is suitable for all types of make-up, skincare and fragrance packaging solutions (bottles, flexible and rigid tubes, jars and all types of lids and caps.)

Depending on the esthetic or functional purpose of the part, using Roctool's induction heating technology to control temperature in the mold allows the creation of ultra-thin parts, shiny, matt and textured surfaces (as well as the removal of defects like injection points, weld lines and all other material-flow lines).

Luxury and sustainability

Roctool's technology offers the beauty market two-fold benefits: it is both **eco-friendly and ultra-premium**.

- Roctool Beauty Solutions are suitable for most resins: standard, recycled and bio-sourced, including the most innovative resins on the market. Roctool continues its research and is collaborating with external partners to acquire the data essential to reach optimal quality.
- By obtaining high surface quality and accurate mold replication, Roctool's technology eliminates the need for secondary operations with a harmful carbon footprint such as coatings/varnish, paint or films.

<http://www.roctoolbeauty.com>



"Our technology allows no compromise between luxury and sustainability. Today, the two must go hand in hand. As such, we are pushing our research in several areas: with designers from around the world, suppliers of innovative materials, and of course with our customers, whose expectations we share. We are well aware that our industry has entered a new era, a challenge we are committed to overcoming every day," says Mathieu Boulanger.

About Roctool:

Founded in 2000 at Le Bourget-du-Lac, in France, Roctool is specialized in plastic injection, blow molding and compression molding. With its six offices around the world, it works with brands in various sectors, notably the automotive, electronics and aerospace industries and for high-tech products markets. With an impressive portfolio of patents and expertise that is constantly evolving, Roctool is pushing the boundaries of industrial feasibility to develop well-designed, economical and environmentally friendly solutions. With Roctool Beauty Solutions, Roctool is now working with the major players in the beauty industry, both brands and manufacturers. www.roctool.com

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