

PIRAMAL GLASS NEWSLETTER

Innovation in Glass-tech

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WELCOME



At Piramal Glass, we are aware of the rapidly changing environment and its impact on the customer expectation.

Managing innovation and creative projects in glass-packaging is part of our core business for more than three decades. We are constantly expanding the scope for innovation by developing new designs, new customer-centric initiatives, and new technological capabilities.

In this regard, we have made focused investments and initiatives to make one of our premium perfumery production line more productive and efficient, especially for manufacturing heavy-weight with smaller MOQs glass packaging.

Vijay Shah,
Director, Piramal Glass Limited

Innovation in heavy-weight and premium glass-packaging

Piramal Glass is focused on design, production, and decoration of premium glass-packaging for select cosmetics and perfumery customers. Our global customers demand an utmost quality with premium finishing and beautiful aesthetics to ensure that the visually appealing glass packaging can emphasize their product's uniqueness, quality, and exclusiveness. Some of the most reputed cosmetics and perfumery brands have gained from our glass-packaging knowledge and skills.

To satisfy the diverse and unique requirements of our global Cosmetics and Perfumery customers, all stages of our manufacturing process have to reflect the state-of-the-art capabilities. In this regard, we are constantly pushing the boundary to manufacture more productively and efficiently. To further enhance our capabilities in this direction, we have recently made new investments in innovative glass-packaging technology to manufacture high-quality, heavy-weight glass bottles with a thick bottom, but with shorter production runs or minimum order quantities (MOQs).

We are pleased to share that with the persistent efforts of our engineers, we have been able to develop an exciting new technology which enables us to manufacture a 100 ml square profile bottle as heavy as 350 gms, at a high productivity with stunning aesthetic quality, while achieving absolutely flat panels. We have commercialized several heavy fragrance bottles with the bottom as thick as 22 mm.



More flexibility with better accuracy and distribution

Through innovative design, we are able to achieve a significantly higher cycle-time between the glass-forming stages and maintain a uniform temperature control of the mould, which further aids in a better and uniform forming of glass inside the mould. This helps to achieve a better, accurate, and stable glass distribution and can also solve defects like the twisted or crooked neck, out of shape and oxidation issues in a glass bottle. We have also reduced the energy and compressed-air consumption by around 25 percent and improved the overall production efficiency by around 15 percent.

Through one of our internal innovation initiatives, our team has developed a new design philosophy to manufacture a perfect Flat Panel bottle, which not only helps in reducing the scrap-rate while the bottles are passed through our state-of-the-art automated printing lines but also offer a much better decoration finish on the bottle surface. Additionally, our premium glass-bottle production lines have integrated automated fire-polish facility as well as hand-polish facility to provide the finest surface finish in premium heavy-weight glass bottles.



In this regard, we are also continuously upgrading our premium decoration facility at Kosamba, India so that we can continue to satisfy our customers' requirements to deliver complex decoration requests in perfect quality. Today we have dedicated facility for premium glass decoration solutions such as printing, hot-foil stamping, coating, frosting, decal, fitment/ gluing, and metallization.

Also due to innovative design layout of our production line, we have achieved the flexibility to produce smaller batch sizes and take combination production of glass bottles of different shapes but in the same weight-group, with a significantly lower investment in tooling.

With this unique and differentiated capability, Piramal Glass is now in a position to compete for select perfumery business with the best of European glass packaging manufacturers and can provide the customers with a lower MOQ and a more cost effective solution with fire polish/ hand polish and a state-of-the-art Decoration facility to support it.

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