

PIRAMAL GLASS

NEWSLETTER

Glass Bottle Decoration

March, 2017 | PGL.03.17.e3

WELCOME



In the backdrop of a volatile and uncertain global business environment, we at Piramal Glass continue to persevere doggedly towards our goal of leadership in the Premium and Specialty Glass Packaging.

We have recently upgraded and doubled the capacity of our glass-bottle decoration facility at Kosamba, India with an investment of around \$4 million, so that we can continue to satisfy our customers' requirements and deliver complex decoration requests. We can read more about it in this newsletter.

Vijay Shah,
Director, Piramal Glass Limited

Piramal Glass has made investment of around \$4 million to upgrade its in-house glass decoration capability to surge focus on the premium cosmetics, perfumery, and skin-care customers

As a complete end-to-end glass packaging specialist, we also have a dedicated in-house facility for premium glass-bottle decoration services such as printing, coating, hot-foil stamping, frosting, decal, fitment/ gluing, and external metallization. This facility is supported by our In-house design team which provides innovative solutions for new variants or brand extensions and in-house lab to conduct process and quality tests.

Our global customers demand utmost quality with premium finishing and decoration to ensure that their aesthetically appealing glass packaging can emphasize the product's uniqueness, quality, and exclusiveness. To satisfy our customer requirements, we continue to make focused investments to further improve and upgrade our manufacturing and technology infrastructure in line with the global best practices.

After having upgraded our 45 TPD, Type-I Borosilicate glass-bottle furnace and 60 TPD, premium perfume bottle furnace into state-of-the-art facilities, we have, during the last 12 months, made significant investments to upgrade our in-house glass decoration facility in Kosamba, India.



Our Specialized Decoration Services

- Printing
- Hot-Foil Stamping
- Coating
- Frosting
- External metallization
- Diamond studding
- Metallic labelling
- Grinding and Polishing
- Sleeving
- Decal

PIRAMAL GLASS DECORATION IN USA

Our in-house glass decoration facility in the USA is located in Williamstown, New Jersey.



In this facility we have in-house capability for Ceramic, Organic, and Pad Printing in one or multiple colors. PVC Coating, pressure sensitive Labelling, Ceramic and Organic Spraying in one or multiple colors, and Hot Foil Stamping. We have a full dedicated design, quality, packaging, and engineering staff.

Revamped and upgraded glass-bottle decoration facility

We have replaced our old color coating/ spraying line with a new line and added a new automatic premium glass-bottle frosting (rinsing) line. The newly replaced coating line will provide an additional 30 percent capacity. We are also in the process of replacing our second old color coating line with a similar new line during this current quarter. The new premium frosting line will double our existing capacity.

We have invested in a new external glass-bottle metallization facility, which will also get operational during this current quarter. In addition to this, we have renovated our overall decoration facility with an expanded production area. All the upgraded facilities now have modern process and monitoring technology and in line with our strategy to focus on premium and select cosmetics, perfumery, and skin-care customers.



Decoration services

- **Printing**, this can ensure accurate reproduction of text or logo on different sides and sections of the glass-bottle through screen or pad printing. We provide multiple options in printing finish (matte, gloss, precious metal) and ink types (ceramic, UV, organic). Our printing infrastructure consists of a mix of automatic lines (Kammann, Dubuit) and semi-automatic lines (Cerve, Dubuit) which are integrated with annealing lehrs for heat curing and UV machines for UV printing curing.
- **Coating**, this provides an aesthetic appearance to a glass bottle. We provide different combinations and variations of surface finish (gloss, satin, matte, glitter, florescent, UV lacquer), coating pattern (full, partial, mask), and coating materials (metallic, pearl). We have recently developed new types of coating finish like soft touch (rubber finish), shrink-finish, crackle-finish, stone-finish and metallic finish. Our coating infrastructure consists of all fully automatic lines.
- **Frosting (rinsing)**, this adds a satin-like appearance and silky-smooth surface to a glass-bottle. We provide two variations, either light rinsing, for soft and transparent surface or heavy rinsing, for rough and more opaque surface. In addition we also do masking to provide a partial frosting effect on the glass as per the customer requirement. Our frosting infrastructure consists of all fully automatic lines.
- **Hot-Foil Stamping**, in which a metallic foil is accurately transferred on the printed text for a radiant appearance. We offer multiple variations in the form of color of metallic (aluminum) foil (gold, silver, bronze, copper, etc.) Our infrastructure consists of a mix of automatic and semi-automatic lines.

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