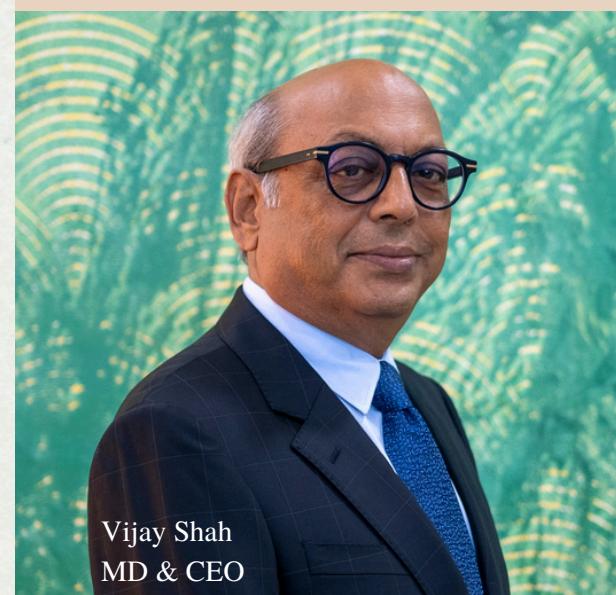


# SEEING THROUGH

Fired by Imagination - Molded to Perfection

April 2025



**Our Purpose:** To enhance the value of the customer brands by providing Specialty Glass packaging produced in an increasingly sustainable environment.



Against a backdrop of challenging market headwinds that have compelled competitors to scale back, PGP Glass has demonstrated remarkable resilience and strategic foresight by commissioning a new 120 TPD furnace. This bold move underscores their confidence in future growth, commitment to innovation, and ambition to solidify the leadership in premium glass packaging.

## Redefining Premium C&P Capacity PGP Glass Launches New 120 TPD Furnace

In a bold stride towards expanding its global footprint in the Cosmetics and Perfumery (C&P) sector, PGP Glass Kosamba facility inaugurated its seventh furnace – a formidable 120 TPD unit poised to redefine production capacity. This expansion propels PGP Glass to the forefront as one of the largest dedicated producers of C&P glass. PGP Glass commands a total capacity of 1,730 TPD and operating an impressive 70 production lines, the company has effectively redefined the parameters of premium glass packaging on a global scale.

"This inauguration is not merely an expansion; it is a strategic leap forward," said Mr. Vijay Shah, Managing Director & CEO of PGP Glass. "We have built a culture of excellence, enabling us to lead in the highly competitive premium C&P market."

The new state of the art furnace, featuring advanced German technology from HORN, is designed for superior glass quality and efficiency. Production lines, equipped with IS machines from Bottero and Emhart, incorporate automated inspection and optimized conveyor systems. The furnace offers fuel flexibility, accommodating natural gas, electricity and oxygen, and includes a fully automated ASRS warehouse for streamlined logistics.

With a strong sustainability focus, the plant adheres to green building standards, employs energy-efficient materials, and integrates water-saving technologies. The furnace's rapid stabilization and the swift commencement of production underscore the seamless synergy between our Projects and Operations teams.

"Our growth is fuelled by innovation and new product launches," emphasized Mr. Shah. "With this furnace and our continued investments in technology and talent, we are poised to double our growth rate and solidify our leadership in the premium perfumery market."

This inauguration marks a pivotal milestone in the PGP Glass journey, reinforcing its commitment to innovation, sustainability, and global leadership in the C&P glass packaging sector.

## Engineering Excellence: Setting New Technical Benchmarks

The seventh furnace at PGP Glass Kosamba facility, exclusively dedicated to production of premium Cosmetics and Perfumery containers, represents a pinnacle of innovation, seamlessly fusing advanced engineering with sustainable practices to forge a new benchmark for the industry.

The furnace itself is a testament to innovation

- Cruciform Checkers: Regenerative packaging material improves the heat exchange process in the furnace.
- Hybrid Crown Insulation: Reduces heat loss and improves the overall energy efficiency of the furnace.
- New Dipping Type Glass Level Controller: Maintains the glass level in the furnace more accurately, ensuring consistent quality and reducing waste.
- Duct Modification: Improves airflow and reduces energy consumption.



The production workshop is equipped with Groz Multi-Axis Benches for precise machining. Lehr has piloted the dual-fired (electric + natural gas) technology. Also a Lehr is fitted with the option of using Hydrogen gas, thus enhancing flexibility and reduce environmental impact. Automated Lehr with PLC controls and U-type belt supports optimized efficiency. A natural gas PRV skid regulates gas pressure, while the hydraulic goods lift streamlines material flow. The spatial layout with straight conveyer system to the Lehr minimizes bottle-to-bottle contact, ensuring superior bottle surface finish.

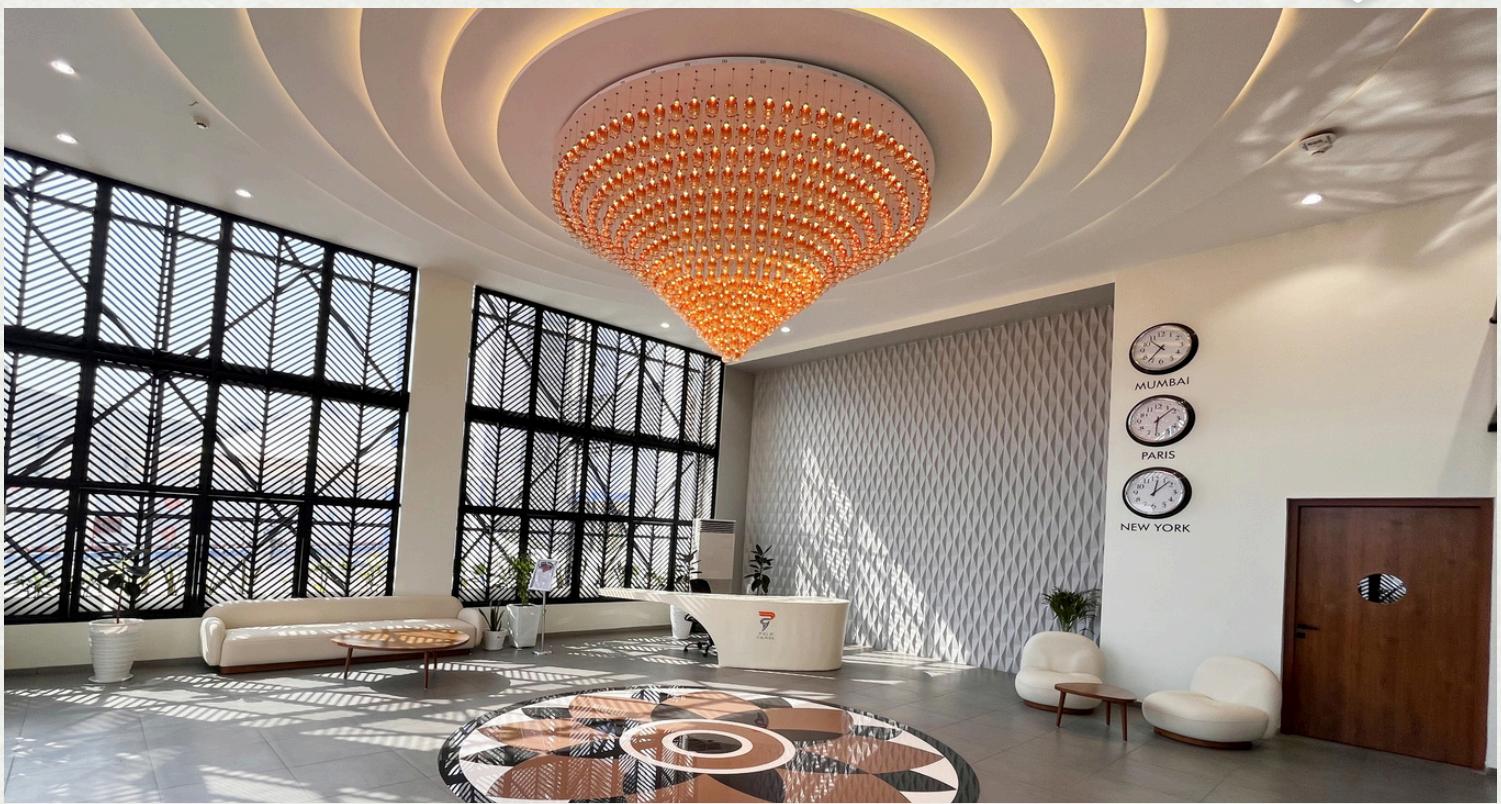
Technological innovations extends in other manufacturing processes, including Sinex vibrating plates for improved transfer/compaction and indigenous thermal shock testing systems. Locally developed cold-end coating spray machines ensure precise control, while AI enabled IRIS inspection machines provide unparalleled and precise quality control. The automation of conventional profile projectors further reinforces the quality commitment of PGP Glass.

The ASRS warehouse, a fully automated storage and retrieval system, stands as a logistical marvel, capable of housing over 12,000 pallets across 11 floors. This sealed, aisle-less warehouse significantly



optimizes space and material flow. The furnace's rapid stabilization, achieving standard efficiency within just 22 hours of glass drain, highlights the success of advanced technologies and the exceptional synergy between project & operations teams. This inauguration goes beyond expanding capacity, it demonstrates the dedication of PGP Glass to technological advancement, operational excellence, and sustainable manufacturing practices, setting a new standard for the global glass packaging industry.

## Architectural Alchemy: Redefining Sustainable Elegance



PGP Glass has created a harmonious blend of advanced engineering and sustainable architectural vision. The 120 TPD furnace and its accompanying infrastructure represent a paradigm shift in industrial design, where functionality and environmental consciousness converge.

The building's civil design incorporates smart materials that enhance structural integrity and energy efficiency. Advanced construction techniques and automated equipment expedited the project timeline, while rigorous safety protocols ensured a secure work environment. Sustainability is embedded throughout the structure, with the use of eco-friendly materials such as low-VOC paints, alongside rainwater harvesting and greywater recycling systems. Energy efficiency remains a priority, supported by advanced insulation and HVAC systems that minimize consumption.

The facility's design ingenuity is exemplified by its Proflex roof technology. This self-supporting curved structure not only reduces construction costs but also enhances the building's aesthetic appeal. Additionally, the waste heat recovery systems cool control rooms, demonstrating a commitment to resource optimization.

Beyond its technical prowess, the building has a great artistic expression. The "Shikhar" office complex, designed for enhanced customer interaction, showcases the company's commitment to creating immersive experiences. At its centre is a bespoke chandelier designed by the in-house Design Department and made of glass bottles manufactured at PGP Glass, illuminating the space while reflecting precision and artistry inherent in the work produced by PGP Glass.

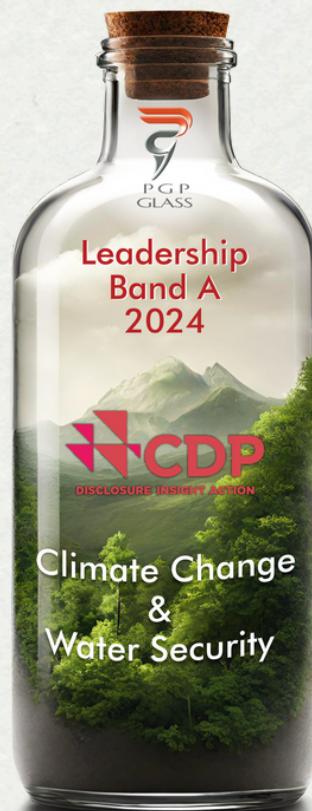
The facility prioritizes a healthy and comfortable workspace through optimized natural light and the use of non-toxic materials. Its architecture fosters transparency and collaboration, reflecting a culture of innovation and teamwork. This design embodies a holistic approach, seamlessly integrating technical advancement with environmental responsibility & aesthetic appeal, symbolizing PGP Glass's commitment to sustainable excellence.

## PGP Glass In Entirety Scales to CDP Leadership Band A & Retains Coveted EcoVadis Platinum for the Kosamba Site

PGP Glass Kosamba facility has achieved the prestigious EcoVadis Platinum rating for the second consecutive year, an accolade reserved for the top 1% of companies worldwide. Through consistent efforts and a strong commitment to sustainability, PGP Glass has an elevated score over last year and continues to strive for constant improvement.

Another landmark milestone in its sustainability journey is earning the coveted "Leadership Band A" rating from CDP for Climate Change (A) and Water Security (A-). This significant elevation from the previous year's "Management Band B" ratings underscores the company's unwavering commitment to environmental stewardship and its proactive approach to mitigating climate change and safeguarding water resources. This achievement is not merely a numerical upgrade; it represents a tangible transformation in the operational ethos of PGP Glass. The company's strategic decision to broaden its CDP disclosures across all manufacturing plants and offices globally, culminating in a comprehensive group-level report, has yielded remarkable results.

These recognitions acknowledge the dedicated efforts of PGP Glass in reducing greenhouse gas emissions, conserving vital water resources, and driving sustainable innovation throughout its operations, further consolidating its position as a leader in sustainable glass packaging and setting a new benchmark for the industry.



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