



CSMSS

CHH. SHAHU COLLEGE OF ENGINEERING

KANCHANWADI, CHHTRAPATI SAMBHAJINAGAR

Department of Mechanical Engineering



Academic Year 2024-2025

Activity Report

Date: 24/04/2025

Name of the event: Industrial Visit at 'The Luminaz Safety Glass Pvt. Ltd.'

Date of the event: 23rd April 2025

Class: Second Year Mechanical

Faculty Coordinator: Prof. A. B. Khansole & Dr. Manish Kumar

Objective:

- To understand the manufacturing processes involved in safety glass production.
- To observe the application of mechanical engineering principles in real-world industrial settings.
- To interact with industry professionals and gain insights into industrial safety, quality control, and process automation.

About Company:

The Luminaz Safety Glass Pvt. Ltd. is a reputed manufacturer of high-performance safety glass products, including laminated glass and insulated glass units. Luminaz Safety Glass: Driving Innovation in Automotive Laminated Glass Manufacturing Established in 2016-17, Luminaz Safety Glass is a pioneering venture with a vision to revolutionize laminated glass production in the automotive industry. Our state-of-the-art manufacturing plant is equipped with world-class European machinery, specially modified to ensure unparalleled quality and productivity. Setting High Standards: At Luminaz, excellence is our hallmark. Our cutting-edge laboratory setup complements our manufacturing equipment, enabling us to achieve all necessary product quality certifications seamlessly on the first attempt. Establishing Industry Presence: Over the past 6 years, we have firmly established our position as a leading player in the laminated glass manufacturing space for Commercial Vehicles (CV). Our commitment to delivering superior products has attracted esteemed customers such as Bajaj, TVS, Piaggio, Atul Auto, and numerous EV startups. A Dedicated Team: Under the dynamic leadership of Mr. Pankaj Srivastava, our dedicated team at Luminaz is driven to push the boundaries and achieve new heights in automotive glass manufacturing. With visionary guidance from Mr. Harshal Nahar, the glass business vertical of Laxmi Group continues to chart a path

of success. At Luminaz Safety Glass, we aim to shape the future of automotive safety with our cutting-edge laminated glass solutions. Join us on this transformative journey towards innovation and excellence. Together, let's drive automotive safety to new horizons.

Activities Undertaken During the Visit

During the visit, students were taken on a guided tour of the plant. The following key areas were covered:

1. **Raw Material Handling:** Introduction to the raw materials used in glass manufacturing and how they are stored and processed.
2. **Tempering Process:** Demonstration of the heating and rapid cooling process that strengthens the glass.
3. **Lamination Line:** Explanation of how layers of glass and plastic are fused to make laminated safety glass.
4. **Cutting and Edge Processing:** Overview of the precision machines used for cutting and finishing glass panels.
5. **Quality Control:** Insights into the testing methods and quality assurance procedures followed by the company.
6. **Safety Protocols:** Students were also briefed on the importance of safety in glass manufacturing, including protective equipment and machine safety systems.

Outcome:

- Enhanced understanding of industrial manufacturing processes.
- Awareness of current trends and technologies in the safety glass industry.
- Practical exposure to machines and processes relevant to mechanical engineering.
- Inspiration to pursue careers in manufacturing, quality control, and process engineering.

The industrial visit to The Luminaz Safety Glass Pvt. Ltd. proved to be highly educational and insightful. It gave the students a firsthand view of the manufacturing environment and allowed them to relate classroom learning to real-life applications. The department thanks the management of Luminaz Safety Glass for their cooperation and hospitality.

Glimpses of Industrial visit:



A. B. Khansole

Prof. A. B. Khansole
Activity coordinator

R. H. Shinde

Dr. R. H. Shinde
HOD

Web. G. B. Dongre

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