



A Report on Industrial Visit at “Haldyn Heinz Fine Glass Pvt Ltd” Kosamba

An industrial visit to Haldyn Heinz Fine Glass Pvt Ltd, Kosamba; was arranged for the 4th semester students of Mechanical Engineering Department. The visit was conducted by Prof. Jagdish Khatwani, Prof. Vibhas Kaluskar, Prof. Nilesh Rana & Mr. Jignesh Patel where total 99 students have been benefitted from this visit.



The main purpose for arranging this visit was to enhance the practical knowledge of the students and aware about how various activities related to Plastic, Ceramic and Glass processing carried out in company and also most importantly to give them the exposure to an industrial setup wherein they will be eventually working as Mechanical Engineers.



About the Company

Haldyn Heinz is a Joint Venture which combines Heinz's rich global experience in glassmaking with Haldyn's contemporary production processes, facilities and experience in India. Haldyn, is engaged in the manufacturing of Glass containers. It has an experience of over five decades in creating innovative bottle shapes and sophisticated designs, giving a cutting-edge advantage to its clients.

Students visited Haldyn Heinz Fine Glass Pvt. Ltd. (Glass Manufacturing Company) for exploring Manufacturing of fine glass from raw material to final product.



Students also learned about working and processing of Perfume Bottle. Students learned following:

MAIN SECTION OF PLANT:-

- 1) Raw material handling and composition making plant
- 2) Forming plant
- 3) Inspection and quality control section.
- 4) Decoration, painting and stamping section



BASIC RAW MATERIAL FOR GLASS MAKING:-

- Sodium sulphate.
- Magnesium sulphate
- Dolomite
- Sodium nitrate
- Limestone
- Soda ash

BASIC EQUIPMENTS FOR MATERIAL MAKING:-

- Belt conveyer
- Vibrating feeder
- Bucket elevator
- Batch mixer (2 tones capacity)
- Magnetic separator
- Rotary magnetic separator

BRIEFLY PRODUCTION PROCESS OF FINE GLASS:-

In production process of glass first stage is raw material handling and make composite material of glass. Then, the composite material transfer to the furnace area for glass making. Then, the hot molten glass material transfer to the die and mold section for desirable shape given to hot glass as per requirement. Then, the cooling process is done of glass bottles by air cooling system. Then, the inspection is done by QC dept. Finally, the decoration, painting And stamping process is done in decoration and painting section.

It took almost two hour to see various machines and processes which were followed by questions of students. The students got an opportunity to learn about different machines and processes which undergoes in Glass Bottle manufacturing.



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We S.N.P.I.T. & R.C., Mechanical Engineering Department team are really thankful to the **Mr. K Jayaprakash Nair, Assistant Manager- H.R. & Administration, Haldyn Heinz Fine Glass Pvt Ltd** and their team for permitting and supporting our students for visit with a successful accomplishment of objective.