



SREENIDHI
EDUCATIONAL GROUP

SREENIDHI
INSTITUTE OF
SCIENCE AND
TECHNOLOGY



INDUSTRIAL VISIT REPORT ON 02-FEB-2023

ACCORD POWER CONVERSION Pvt Ltd

PREPARED BY:

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A complete report on industrial visit organized by Sreenidhi school of management studies, for the students pursuing MBA, first year, first semester in order to get practical knowledge on the various stages of production in a company.

DETAILS OF JOURNEY:

The MBA department of Sreenidhi School of Management has organized a one day industrial visit on 2nd of February, 2023 to Accord Power Conversion Private Limited for MBA students. The visit was organized by HOD of MBA department, Dr. Sandhya Rani ma'am. The coordinators Mr. G. Uma Srikanth, Mrs. Ch. Kameshwari, Mr. K. Sreenivas accompanied us students in this visit. We started the journey at 10:00 am via college bus.

COMPANY PROFILE:

Accord Power Conversion Pvt. Ltd established in the year 2012, engaged into manufacturing of Electric Vehicle Chargers, DC to DC Converter & Controllers, Power Supplies and Chargers for Water Purifier's, Set Top Boxes, Laptop's, Office Automation Etc. Various products of accord are SMPS/UV Ballast/FCA/AFC for Water Purifiers, Adapters for set-top boxes, laptops, power supply for CCTV and DVR, electric bi-cycle charger, e-scooter charger, electric 3- wheeler charger, DC-DC converter etc. The company has 3 branches at Tukkuguda, Charlapally and Kushaiguda respectively. Charlapally branch concentrates more on EV battery production, Kushaiguda branch has control panel production as its priority.

OBSERVATIONS:

There are various departments available in Accord Power conversion Pvt Ltd. Those are namely production, marketing, Human resource, finance, purchase and engineering department. The various steps involved in production of adapter for set-top box is as follows:

- Raw materials are received from within and outside the country from places like Thailand, Japan, China.
- Various raw materials are capacitors, microprocessors, inductors, heat sinks, semi-conductors, magnets, bare PCBs etc.

- In SMD printing (Surface Mont Device), glue is applied on PCB and the components are placed on the board through coding.
- Component placing is followed by Wave soldering. Next it goes to touch up section then inspection section.
- AC power and DC power chord mounting
- Primary test is carried out to test the board according to parameters.
- Next integration of the plastic body for the adapter is done.
- Screw fixing, high voltage testing and final testing are done to ensure everything is in place.
- The components now go to packing and stickering section. If anything does not work while in rework section, it is discarded or checked again.
- Laser marking is imprinted with specifications and company details.

ADDITIONAL DETAILS ABOUT THE COMPANY:

A total of 20,000 units of each component are available according to model. There are 4 lines and 30+ models available, everything produced based on customer requirement. Each component shelf life may range from 1.5-2 years based on the semi-conductor used. All the departments for 8 hours per day. There are approximately 200 members working in this company. The products manufactured are sold to companies like V-Guard, Sun Nxt, India powers, Aquaguard, Bluestar, Bajaj, etc. The company bears 30% as part of raw material cost, 70% is profits earned. Annual turnover is over 40-50 crores. Majority of the workers are female workers. There are 50 permanent staff and, 30 working staff in the company. All the produced finished goods are transported in the evening to the customer.



CHIP RESISTORS



WAVE SOLDERING



CASING OF PLASTIC BODY



SOCKET & HV TESTING



MBA BATCH 2022-23, FIRST YEAR, FIRST SEMESTER.

CONCLUSION:

We are thankful for all our faculties for organizing such an Informative event for us in crucial for development of our practical skills. We got the knowledge on different production stages We got the knowledge on different. We hope to get more chances further to have such an informative & wonderful experiences of visiting different industries.