

Summary of study: Air compressor in an electronic components industry: Unit - 1

Industry : Electronic components

Unit profile : An electronic components unit located in Mohali (Punjab) manufacturing a range of products for clients such as Denso, Mitsubishi, Suzuki and Bosch

Technology :

- Operating practice improvements

Application : Energy savings in compressed air system

Year of investigation : 2012

Key features:

- Improvement of compressed air piping system
- Use of booster
- Use of energy efficient blow guns
- Improved ventilation and enlarging of compressor room for better inlet air conditions
- Addition of more air tanks



Energy and cost saving:

Details	Existing	Recommended
Compressed air system	22 kW X 1 unit	Operating practice improvements
Energy saving		Marginal

Note:

This report is an example for investigating the potential of application of Japanese low carbon technology (LCT) in Indian industries. Adoption of energy efficient technologies and practices can generate greater benefits in compressed air applications in industries.