

Summary of study- Air compressor in a car manufacturing industry: Unit 2

Industry: Automobile

Unit profile : A car manufacturing unit located in Gurgaon (Haryana)

Technology :

- Improvement of operating practices



Application : Energy savings in compressed air system

Year of investigation: 2018

Key features:

- Installation of air flow meter
- Use of high efficiency drain trap
- Reduction of air volume for the pneumatic tools
- Reduction of compressed air leakages
- Change from mechanical booster to motor booster
- Improving inlet air conditions of air compressors

Energy and cost saving:

Details	Existing	Recommended
Compressed air system	Inverter compressor + Centrifugal compressor	Same as existing
Energy saving (%)		Marginal to medium