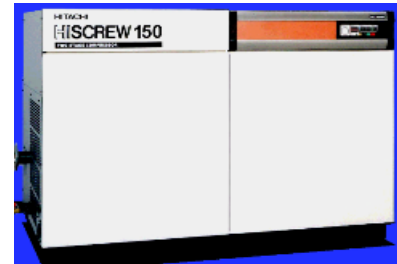


Summary of study- Air compressor in an automobile component manufacturing industry: Unit 2

Industry: Auto components

Unit profile : An automobile components manufacturing unit located in Ghaziabad (Uttar Pradesh) involved in the production of aluminium piston, piston ring, valve



Technology :

- Use of energy efficient air compressor
- Improvement of operating practices

Application : Energy savings in compressed air system

Year of investigation: 2018

Key features:

- Reduction of compressed air leakages
- Installation of air flow meter
- Change from mechanical booster to motor booster
- Use of energy saving pneumatic tools such as nozzle type gun, energy saving coupler, etc.s
- Installation of two stage air compressor

Energy and cost saving:

Details	Existing	Recommended
Compressed air system	Screw compressor	Two stage air compressor in place of single stage compressor
Energy saving (%)		16% improvement in specific