

SINGLE SCREW COMPRESSOR (HALLSCREW)

A 2½ day course is designed for engineers involved with service or repair work on the world-renowned "Hallscrew 2000" series of single screw compressors. The objectives of the course are to give the participating engineers an appreciation of the principles of design and applications of use. Plus the "Hands-on" ability to dismantle and re-build various "Hallscrew" models, set clearances and perform maintenance and breakdown surveys.

Syllabus includes:

Hallscrew Compressor

- Design features
- History of Development
- Typical applications utilising the Hallscrew compressor

Working Components

- Critical Clearances
- Lubrication requirements
- Component Cooling
- Variable Capacity Control

Survey Inspection Training

- Routine maintenance inspection requirements of a typical mid-range screw compressor (HS 2024)

Practical Training

- Total strip-down and re-build to include Rotor removal and centralisation
- Star replacement with clearance settings (shim adjustment)
- Capacity control setting
- LVDT set-up and gland replacement

Videos

- Applications
- Strip and re-build

Economiser Operation

- Improvements in efficiency

Maintenance Schedules

- Daily, weekly, monthly, yearly