



Pipeline Compression Solutions

***One Resource –
A Complete Package
of Services and Products
to Optimize Efficiency,
Safety, Environmental
Compliance and Utilization***



COOK[®]
COMPRESSION

A **DOVER** COMPANY

SINGLE-SOURCE ADVANTAGE FOR PIPELINES

To maintain a competitive edge in natural gas pipeline operations, you need optimum performance from your reciprocating compressors and drivers. One resource has the expertise, services and products to make it happen: Cook Compression. In more than 50 years of service to the pipeline industry, Cook Compression has helped operators increase reliability, boost efficiency, improve environmental compliance and reduce overall costs of service.

An Efficient Solution

Cook Compression is a comprehensive resource for pipeline compression. We offer field and factory services, contract maintenance, diagnostics, analytical equipment, emissions solutions, control systems, engineered replacement products and more. That gives you a single point of contact for all your needs, simplifies project management and order tracking, and reduces your procurement costs.

Cook Compression is structured for responsiveness. Our technical representatives, field service teams, service centers and manufacturing facilities are strategically located and organized to react promptly and provide efficient, cost-effective service.



Comprehensive field services

Field Service

Cook Compression provides a full complement of field services, including portable machining to re-bore and re-line cylinders. Experienced technicians with the latest portable equipment deliver the quality and speed you need to get machinery back on-line.

- Portable machining
- On-site repairs
- Scheduled maintenance
- Installation and start-up work
- Diagnostics and troubleshooting

Factory Repairs

Gas leakage is not always caused by worn rod rings. Inspections using a Cook thermal mass flow meter reveal the source is often component wear on case and rod assemblies. Cook Compression restores cases and rods to factory reconditioning standards – part of a complete lineup of factory repair services.

- Packing case reconditioning
- Rod and piston repairs
- Valve reconditioning
- Overhauls



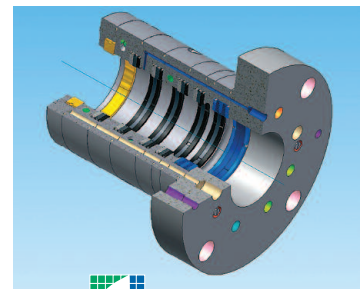
Optical comparator checks flatness of critical surfaces



Emissions Solutions

Cook Compression offers proven solutions to help you meet your emissions objectives through improved repair procedures, component replacements, engineered systems and more. Our flow testing accurately quantifies leakage associated with compressor seals, enabling comparisons of different packing options and component upgrades.

- Leak testing using thermal mass flow meter
- Engine stack testing
- AutoBalance™ engine balancing system
- Patented Seal Assist System™ secondary containment
- COOK CLEAN purged cases
- Static-Pac® shutdown seals
- Emissions control panel systems
- Ultra-low-leakage ring technology
- HSR leak-preventing valve restraints



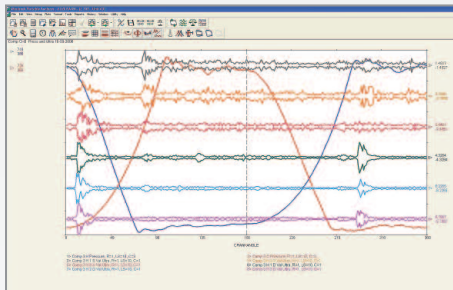
Cook Clean packing case



Diagnostics & Analysis

For maximum reliability and reduced maintenance costs, Cook Compression offers industry-leading monitoring and diagnostics technology, as well as on-site or remote machinery analysis services.

- Windrock on-line monitoring systems
- Windrock portable analyzers
- Flow and leakage measurements
- Diagnostics and analysis services

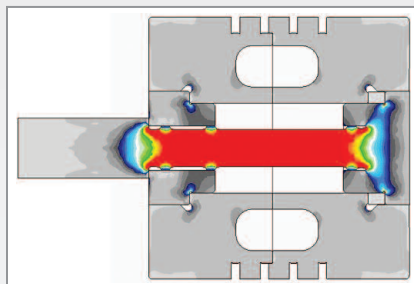


Windrock portable and on-line systems collect diagnostic information

Engineering Support

Cook Compression consults with you to solve problems, suggest improvements, and optimize your machinery for specific applications.

- Compressor performance evaluations
- Root Cause Analysis (RCA)
- Finite Element Analysis (FEA)
- Computational Fluid Dynamics (CFD)
- Dynamics simulation systems



Finite Element Analysis of piston



Lubrication system installation

High-Performance Replacement Parts

Cook Compression designs and manufactures a wide range of engineered replacement parts. Each product delivers maximum performance and extended service life – from compressor rods featuring induction hardening and premium rolled threads to valve components with internals that are produced in-house.

- Piston and rider rings
- Rod rings
- Advanced compressor valve designs
- Poppet valves
- Compressor rods
- Pistons
- Unloaders
- Valve restraints
- Fuel valves
- Lubrication systems and components



Engineered replacement parts



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