THE COMPRESSOR EXPERTS
Since 1960, ACI Services has built its reputation via excellence in compressor performance and cylinder design. With a comprehensive portfolio of solved compressor problems, ACI is uniquely positioned to help customers achieve their compression goals through cost-effective products, services and software.
AT ACI SERVICES WE...
- Optimize compressor performance
- Maximize business profitability
- Solve problems
- Customize solutions
- Deliver results

WE SOLVE YOUR COMPRESSION CHALLENGES
Innovation is the core of what ACI does every day. Our team provides fully engineered components using modern analysis and design tools. From problem definition to final product, ACI has a proven track record of delivering solutions that improve reliability and efficiency while achieving maximum profitability.

CUSTOM COMPRESSOR CYLINDERS

Engineered to Customer Specifications
- Lined or unlined cylinder bodies
- Manufactured from application specific materials
- Air or water cooled cylinder designs
- Sour Gas Trim available
- Maintenance friendly piston & rod assemblies
- Wide range of performance control options

Engineered to Minimize Capital Costs
- Designed around existing package
- Maintain same centerline dimensions
- Designed to use existing components

Engineered to Solve a Problem
- Designed to solve operational concerns
- Maximize compressor flow
- Designed to customized specification
ACI provides fully engineered components using modern analysis and design technology. This sets us apart when it comes to reciprocating compression optimization and performance characterization.

PERFORMANCE CONTROL DEVICES

ACI software provides unparalleled performance prediction and modeling for engineers, operators, Gas Control/Dispatch, new unit bidding, and automation.

The eRCM™ technology provides performance and safety reporting, critical to the safe operation of a compressor. eRCM™ allows the user to create models from unit geometry, add gas thermodynamics, review complete operating ranges, generate dynamic compressor performance curves, compare unit abilities at thousands of operating points, review millions of potential conditions for possible problems to prevent issues during automation implementation, and much more.

**COMPRRESSOR PERFORMANCE SOFTWARE**

ACI software provides unparalleled performance prediction and modeling for engineers, operators, Gas Control/Dispatch, new unit bidding, and automation.

The eRCM™ technology provides performance and safety reporting, critical to the safe operation of a compressor. eRCM™ allows the user to create models from unit geometry, add gas thermodynamics, review complete operating ranges, generate dynamic compressor performance curves, compare unit abilities at thousands of operating points, review millions of potential conditions for possible problems to prevent issues during automation implementation, and much more.

**eRCM Express™**
- Provides OEM-compatible modeling
- Predicts safe performance across unit’s full operating map
- Improves capacity & reduces costs
- Models single & multi-stage units
- Calculates full rod loads & pin reversals per throw
- Provides UCP with dynamic safety limits for speed & pressure
- Simple installation & standard Ethernet communications
PULSATION CONTROL DEVICES

ACI’s pulsation dampening devices reduce pressure drops, increase revenue and eliminate unnecessary wear and tear on reciprocating compressor packages.

Performance Augmentation Network
- Efficiently attenuates pulsations
- Retrofits to existing systems
- Designed for reciprocating compressors & centrifugal compressor headers

- Ideal for electronic flow meter runs
- Custom engineered tuning loops & manifolds
- Fabricated with standard piping
- PulseBuster TST™ Junctions

Dynamic Variable Orifice
- Increases unit flow rates by minimizing pressure drops
- Prevents unacceptable vibrations by adjusting orifice’s flow area
- Reduces discharge temperatures by lowering internal compression ratios

VALVES

Industry leading valve designs that result in more-efficient compression.
- Lower fuel consumption
- Lower emissions
- Higher flow rates
- Increased revenues

PulseBuster TST™ Junctions
- Dynamic Variable Orifice
- Increases unit flow rates by minimizing pressure drops
- Prevents unacceptable vibrations by adjusting orifice’s flow area
- Reduces discharge temperatures by lowering internal compression ratios

ACI's pulsation dampening devices reduce pressure drops, increase revenue and eliminate unnecessary wear and tear on reciprocating compressor packages.
ACI is a solution provider and has developed an alliance network that allows us to provide solutions using industry experts. Our team approach allows us to provide mechanical field services and project management services from simple piston modernization projects to complex compressor rerate projects. Our expertise encompasses a complete understanding of compressors, auxiliary systems, and the processes in which they are operating.

MECHANICAL FIELD SERVICES

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Authorized Spare Parts Distributor

ACI is a highly recommended OEM parts distributor for Ariel, LeROI and BHGE compressors. Moreover, ACI provides functional equivalent spare parts for all reciprocating compressors.

Cyliner Refurbishment & Reapplication

With over 300 cumulative years of reciprocating compressor experience, ACI is your source for reapplication, revamping or upgrading existing compressor equipment. ACI can identify any design or operational problem and offer upgrade solutions. Additionally, ACI can connect buyers and sellers of used compression equipment via the Internet. Visit www.CompressorConnection.com to take advantage of this vast resource of existing compression assets.