

ACI Services, Inc. located in Cambridge, Ohio, U.S.A., specializes in the Design, Manufacture, Reapplication, Re-vamping and Reconditioning of Complete Reciprocating Compressors, Cylinders Components, Accessories and Unloading Devices. ACI products and services include:

Complete Engineering Analysis, Design and Drafting:

- Reciprocating Compressor Cylinders
- Cylinder Heads
- Compressor Valves
- Valve Cages
- Valve Caps
- Compressor Pistons, Rings and Riders
- Compressor Piston Rods
- Pneumatically Actuated Cylinder Unloaders (Clearance Pockets, Bypasses and End Deactivators)
- Hydraulically Actuated Variable Volume Clearance Pockets
- ExactoTorque™ Technology for Piston Nuts, Piston Rod Nuts and Other Applications
- Other Compressor Components

Other Engineering Services including:

- Acoustic Pulsation and Mechanical Analyses/Studies
- Equipment Selection, Specification, Evaluation and Optimization
- Field Engineering Services
- eRCM™ and Custom Compressor Modeling and Performance Software
- Compressor Modeling
- Control Algorithm Generation
- Profession Engineering (PE Certified) Services
- Project Engineering and Project Management Services through our BSI affiliate, Basic Systems, Inc.
- Compressor Unit and Station Control Panels and Systems through our BSI Group affiliate, Basic Systems, Inc. or our eRCM™ software licensee, Syntech.

Used Compression Equipment:

- Used Compressors, Engines, Major Components and Complete Packaged Units
- Re-conditioning and Re-engineering Services for Used Compression Equipment and Components
- Finding, Removal and Logistic Management Services for Used Compression Equipment

Complete Component Manufacturing:

Manufacture virtually any reciprocating compressor cylinder or cylinder component through our 26,500 ft² facility located in Cambridge, Ohio, U.S.A.; our 31,000 ft² Starr Machine Division located in Nelsonville, Ohio, U.S.A.; and alliance partner casting, machining and heat treat vendors that complement our internal capabilities and capacity. ACI/Starr in-house machining capabilities and equipment include:

Turning – several machines with multiple chucking capability including:

- 2 CNC Turning Center 15" dia. X 20" long 4 axes upper & lower turret
- 1 CNC Turning Center 21" dia. X 36" long 4 axes upper & lower turret
- 2 CNC Turning Center 24" dia. X 80" long
- 4 Turret Lathes up to 24" dia. chucking & 6" thru spindle hole capacity
- 2 Vertical Boring Mills up to 44" dia chucking capacity
- 4 Engine Lathes up to 28" dia. & 120" lon

Milling – 7 milling machines including:

- 2 CNC Vertical Milling Centers with 40" x 20" capacity
- 1 CNC Vertical Milling Center with 36" x 16" capacity
- 1 CNC Vertical 2 Pallet Mill with 17" x 20" capacity
- 1 CNC Horizontal 2 Pallet Mill with 20"X x 20"Y x 18"Z & 360 deg. index in 1 deg. increments
- 2 Vertical knee Mills with 36" x 16" capacity
- 1 Horizontal Boring Mill with 36" x 48" x 32" capacity

Grinding - A variety of grinding capabilities including:

- 3 Cylindrical Grinders 10" dia. x 96" long
- 2 Surface Grinders up to 10" x 24" capacity
- 1 Centerless Grinder with thru feed or 3.5" dia. x 8" plunge grind capabilities

Drilling – A variety of drilling capabilities including:

- 12 Single Spindle Drill Presses
- 3 Radial Drills – up to 2.5" drilling capacity
- 1 Deep Hole Drill 1.125" x 24" deep capacity

Others – Various equipment for many other operations including inspection, cleaning, lapping, polishing, labeling, sawing, painting and shipment preparation.

Metal Fabrication and Welding:

Through our BSI affiliate, BICON Services, located in Derwent, Ohio, U.S.A. Welding capabilities include:

- MIG, TIG, arc & gas welding
- API & ASME Certified



The Innovation Resource for Reciprocating Compressors



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www.CompressorConnection.com