



SERVICES GUIDE



*2170 Fair Road
Schuylkill Haven, PA 17972*

American-Machine.com



American Machine manufactures quality products, that meet the most demanding timeframes. We improve our customers' overall performance through engineering, machining, and fabrication.

Industry Offerings:

- Plant Shutdowns
- Emergency Repairs
- OEM Replacement
- General Machining & Fabrication

Expedited Manufacturing Available



OUR SERVICE BENEFITS

- Engineering
- Quality Control
- Expedited Turnaround
- Weekend Call-Outs

MACHINING

American Machine is a full-service machine shop with single part and production capabilities. We have 20,000 SQFT of manual and CNC machines, supported by an entire staff of machinists.



MACHINING CAPABILITIES

Turning

- CNC Multi-Axis Mill/Turn Lathe
- CNC 3 Turret Twin Spindle Lathe with Bar Feeder
- CNC 9 Axis Swiss Machine with Bar Feeder
- Horizontal Manual Lathes
 - *Up to 26"x120"*
- Heavy Duty T-Lathe
 - *Swing up to 88" OD*

Milling

- CNC 4 Axis Horizontal Boring Mill
 - *9,000lbs Table Capacity*
- Multiple CNC 3 Axis Heavy Duty Vertical Mills
 - *Up to 60" x 30" Table Size*
- Vertical / Horizontal Manual Mills

Material Processing

- CNC Burn Table
 - *Up to & Including 14" Thick Carbon Steel Plate*
- Horizontal Saws
 - *Up to & Including 14" Diameter*

Support Equipment

- Grinding
- Keyway Cutting
- Honing

WELDING & FABRICATION

American Machine has over 20 years of welding & fabrication experience. We hold an extensive inventory of pipe, plate, and bar stock for quick turnaround fabrication. All welders and inspectors are ASME certified for quality assurance.

WELDING & FABRICATION CAPABILITIES

Welding

- Welding Procedures to ASME Code
- Certified Welders
- (P8) Stainless & (P1) Carbon Steel
- Multi Process Welding Machines with Dual Feeders

Fabrication

- Close Tolerance Fabrication
- Precision Ground Welding Tables
 - *Up to 96"*
- (8) 3 Ton Overhead Cranes
- Welding Positioners
 - *Up to 1,000lbs*
- Plate Rolling

PWHT

- Portable Stress Relieving Equipment

NDE

- Liquid Penetrant Testing
- Magnetic Particle Testing

ON-SITE MACHINING

American Machine provides on-site machining to reduce downtime and disassembly cost. Our field machinists are supported with a large inventory of equipment and expertise, to tackle the most complex issues. If a machine is not available, we have the unique ability to design and build custom equipment.

ON-SITE MACHINING CAPABILITIES

Drilling & Tapping

- Stud & Pin Removal
- Clearance Holes
- Reamed Holes
- Thread Repair & Installation

Line Boring/Portable Honing

- Bore Alignment
- Bore Repair
- Bore Sleeves

Shaft & Journal

- Re-Cut Bearing Surfaces
- O-Ring Grooves
- Weld-Overlays
- Sleeving
- Weld-In-Journals
- Re-Engineer New Shafts

Milling

- Milling Motor & Pump Bases
- Leveling Uneven Surfaces
- Milling Keyways in Shafts
- Case Splitting

Flange Services


- Flange Facing / Resurfacing
- RTJ Flange Resurfacing
- Manway Resurfacing

Custom Machines

We design and build custom portable machines. Our hydraulic units can be interchanged between all machines.

- Milling Equipment
- Turning Equipment
- Drilling Machines
- Fixturing

INDUSTRIAL LEAK REPAIR

A photograph showing an industrial leak repair process. A large, dark, rectangular metal enclosure is being lowered into a large, horizontal pipe. The pipe is surrounded by a spray of water or coolant. The enclosure is secured with several large, hexagonal bolts. A yellow lifting strap is visible at the top of the enclosure. The background shows industrial equipment and structures.

American Machine designs and manufactures hardware to resolve active industrial leaks. Leak repair enclosures provide a non-destructive solution for both low-high pressure and low-high temperature components.

INDUSTRIAL LEAK REPAIR CAPABILITIES

Modular Solutions

Designed for industrial applications up to 650PSI & 650 Degrees.

Types of Modular Leak Repair Enclosures

- Straight Line Enclosures
- 90 Degree Elbow Enclosures

Custom Clamps & Enclosures

Custom enclosures can be made to encapsulate the following:

- Valves
- Pipelines
- Fittings
- Flanges
- Vessels
- Welds


ADVANTAGES

- Avoid Plant Shutdowns
- Prolong the Life of Equipment
- Expedited Manufacturing Available



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