

# OUR TOOLS

## QUALITY CONTROL / INSPECTION

MIL - I - 45208A	
1 - Boice Acracord CMM Number 401	- 30" (X) x 36"(Y) x 18"(Z)
1 - Trimos Electronic Height Gauge	- 32"
1 - Bausch & Lomb Optical Comparator	- 10"
1 - Lufkin Ultrascope Optical Comparator	- 10"
1 - Surface Profilometer	
2 - Height Checks / Gauge Block Sets	- 12"
1 - Rockwell Hardness Tester	
1 - Portable Hardness Tester	
1 - Magnetic Coating Thickness Gauge	
1 - Magnaflux Unit	
1 - Dye Penetrant System	

## CNC TURNING CENTERS

1 - Hitachi Seiki 90 Degree Bed	- 20 H.P.	- 18" swing over bed / 24" between centers - Turn 14" between centers / 2 3/4" thru spindle
1 - Yang Slant Bed	- 35 H.P.	- 28" swing over bed / 47" between centers - Turn 18" between centers / 4 5/8" thru spindle
1 - Hitachi Seiki Slant Bed	- 25 H.P.	- 20" swing over bed / 24" between centers - Turn 15" between centers / 2 1/2" thru spindle
1 - Okuma Flat Bed	- 30 H.P.	- 24" swing over bed / 60" between centers - Turn 14" between centers / 3" thru spindle

## CNC MACHINING CENTERS

1 - Matsuura Vertical Dual Spindle	- 20 H.P.	- Automatic tool changer (30 tools) - Work area ..40"(X) x 20"(Y) x 23.5"(Z)
1 - Comet Vertical Spindle	- 15 H.P.	- Automatic tool changer (16 tools) - Work area ..42"(X) x 22"(Y) x 25"(Z)
1 - Yang Vertical Spindle	- 10 H.P.	- Automatic tool changer (16 tools) - Work area ..40"(X) x 20"(Y) x 21"(Z)
1 - Comet Vertical Spindle	- 10 H.P.	- Automatic tool changer (16 tools) - Work area ..20"(X) x 15"(Y) x 15"(Z)
2 - Acer 2 Axis Vertical Spindle	} - 3 H.P.	- Work area ..30"(X) x 15"(Y) x 5"(Z)
2 - Newall 2 Axis Vertical Spindle		

## MILLING MACHINES

1 - Zayer Bed Type	- Work area ..138"(X) x 40"(Y) x 40"(Z) - Omniversal - with MDI
2 - Vertical Spindle	- 9" X 48" table - digital readout
1 - Enshu Vertical Spindle	- 10.5" X 51" table
1 - Hercules Horizontal	- 12" X 63" table
1 - Adcock Shipley Horizontal	- 7" X 26.5" table - auto-cycle
1 - Slotting Attachment for Vertical Mills	



East King Street • Ephrata, PA 17522  
717.733.0335 • Fax 717.733.2933

E-mail: [info@aymachine.com](mailto:info@aymachine.com) • [www.aymachine.com](http://www.aymachine.com)

# OUR TOOLS

## DRILLING EQUIPMENT

- 1 - Majestic Radial
  - 1 - Burgmaster Turret
  - 1 - Burgmaster Turret
  - 6 - Floor and Bench Models
- 5' arm / 10" column
  - 1/2" capacity
  - 1/4" capacity
  - 1/2" capacity

## LATHES

- 1 - Sigma Tool Room
  - 1 - Graziano Tool Room
  - 1 - Timemaster Electronic Lathe
  - 1 - Harrison Tool Room
  - 1 - South Bend Bench
- 28" swing over bed / 80" between centers
  - 20" swing over bed / 100" between centers
    - Digital readout
  - 18" swing over bed / 60" between centers
    - Digital readout
  - 13" swing over bed / 36" between centers
    - Tracing capability
  - 9" swing over bed / 24" between centers

## BORING MILL

- 1 - Graffenstaden
- 4 1/2" bar
  - Work area ..61"(X) x 67"(Y) x 76"(Z)
  - Power rotary table
  - Digital readout

## GRINDING AND HONING EQUIPMENT

- 1 - Mattison Surface Grinder
  - 1 - Cincinnati Cylindrical Grinder
  - 1 - Bryant I. D. Grinder
  - 1 - Chevalier Surface Grinder
  - 1 - Covell Surface Grinder
  - 1 - Elliott Hydraulic Surface Grinder
  - 1 - Covell Tool & Cutter Grinder
  - 1 - K. O. Lee Tool & Cutter Grinder
  - 3 - Dumore Tool Post Grinders
  - 1 - Tangematic Radius & Angle Dresser
  - 1 - Sunnen Precision Hone
- 12" X 48" capacity
  - 14" dia. X 36"
  - 16" dia. X 30"
  - 6" X 18" capacity
  - 6" X 12" capacity
  - 8" X 20" capacity
  - Form grinding
  - Fully equipped

## FINISHING EQUIPMENT

- 1 - Vibratory De-Burring Machine
  - 1 - Stainless Steel Parts Washer
- 20" X 20" X 24"
  - 33" X 33" X 15"

## HYDRAULIC PRESSES

- 1 - Rolling Frame
  - 4 - Dayton
- 100 ton
  - 12 ton



East King Street • Ephrata, PA 17522  
717.733.0335 • Fax 717.733.2933

E-mail: [info@aymachine.com](mailto:info@aymachine.com) • [www.aymachine.com](http://www.aymachine.com)

# OUR TOOLS

## SAWS

- 1 - DoAll Vertical Band Saw - Equipped with File Bands
- 1 - DoAll Automatic Cut Off Saw - 12" capacity
- 2 - Verticut Vertical Band Saw - 8" capacity

## WELDING EQUIPMENT

- 2 - Pulse Arc Welders - 450 amp - Programmable Control
- 2 - Tig Welders - 300 amp (A/C - D/C)
- 2 - Mig Welders - 450 amp
- 1 - Portable Gas Driven Welder - 200 amp
- 1 - Lincoln Electric - 200 amp
- 2 - Gas Welding Units
- 1 - Plasma Cutter
- 1 - Vibratory Stress Relieve System - System 62
- 2 - Power Driven Weld Positioners - 5000 lb. capacity

## MATERIAL HANDLING / TRANSPORTATION

- 1 - Overhead Crane - Assembly Bay - 3 ton
- 1 - Hyster Fork Lift - 8000 lb.
- 1 - Clark Fork Lift - 2000 lb.
- 3 - Battery Powered Lifts - 1500 lb.
- 1 - Flat Bed Truck - 22000 GVW.
- 1 - Pick Up Truck
- 1 - Van
- 1 - Car

## MISCELLANEOUS SHOP EQUIPMENT

- 1 - Paint Spray Booth - 24' long X 14' wide X 8'11" high
- 1 - High Bay Assembly Area - 14' Under crane hook
- 1 - Key Seater - 1-1/4" capacity
- 1 - Pipe Threading Machine
- 1 - Transformer Bank providing Multiple Voltages
- 2 - Dividing Heads
- 4 - Rotary Tables
- 1 - Set Balancing Ways
- 1 - Thompson Template Controlled Table
- 3 - Super Spacers
- 2 - Blast Bead Cabinets
- 1 - Electrical Heat Treating Furnace
- 1 - Metal Disintegrator
- 1 - Hydraulic Test Stand
- 2 - Vacuum Pumps
- 1 - GROB Band Filer



East King Street • Ephrata, PA 17522  
717.733.0335 • Fax 717.733.2933

E-mail: [info@aymachine.com](mailto:info@aymachine.com) • [www.aymachine.com](http://www.aymachine.com)