Fabrication Shop

With over 40 years’ experience welding and fabricating steel, stainless steel and aluminum ASGCO® has the ability to manufacture complex projects because of a skilled, veteran workforce and an experienced management and engineering staff. Our ability to fabricate a wide variety of materials and types of jobs enable ASGCO® to provide diverse services to many industries including mining, cement, energy, and civil structures with a high level of quality and customer satisfaction. Our fabrication capabilities are enhanced by incorporating precision machinery and advance software to the job process.

Contract Manufacturing

Our 28,000 square-foot facility in Nazareth, PA houses all fabrication equipment under one roof to produce high-end precision products for our clients.

Services & Capabilities

- Light to Heavy Fabrication
- Laser Cutting & Precision Bending
- Plating
- Galvanizing
- Epoxy Coating
- Powder Coating
- Conveyors
- Chutes and Transfer Points
- Hoppers and Bins
- Stairways and Handrails
- Custom Fabricated parts
- Repairs
Powder Coating & Painting

• Powder Coating & Painting
  • Powder Coating Capability 26’X14’X12’
  • Paint Booth Capacity 26’X14’X12’
  • High Temperature Curing Process
  • Zero Discharge Zinc Phosphate wash down system

Contents
- Design.................................................................................................................. 2
- Laser Cutting.......................................................................................................... 3
- Plasma & Pipe Cutting.......................................................................................... 4
- Forming.................................................................................................................... 6
- Machining................................................................................................................. 6
- Welding...................................................................................................................... 7
- Powder Coating & Painting................................................................................... 8
- Complete Fabrication............................................................................................. 9

Complete Fabrication Department
ASGCO’s Complete Fabrication Department can address all emergencies. Engineering and Fabrication of your components happens in the shortest time possible using computerized CNC Plasma and Press Brake machines. At times your damaged systems can be dismantled, re-engineered and re-manufactured in a matter of hours.

ASGCO can redesign troubled systems, bring you our most problematic conveyors for solutions. Our highly skilled and dedicated staff, programmers, machine operators and material handlers have expertise with a wide variety of applications.

Typical Projects Include
- Replacement of rusted/damaged conveyor structures.
- Complete chute replacement and refinishing
- Impact Zone Modifications, Skirt installation and/or replacement
- Conveyor Frame replacement.

Operating Machines
- Trumpf 3000 Watt Laser 1/4” cutting Capacity 60” X 120”
- Trumpf TrueTops Nesting and Planning software
- Komatsu Hi-Definition Plasma Table 60” X 120”
- 2 Hyd-Mach Automatic Band Saws
- Mazak VTC30 Mill 64” X 20” X 20” Capacity
- Mazak FH60140 Horizontal Mill
- Victor Manual Milling Machine
- South Bend Manual Lathe
- Mazak ST35 Lathe
- PrimeLine 220 Ton Press Break 10’ capacity at ¾”
- Miller TIG Welder
- 6 Miller P30 MIG Welders
- Paint booth 26’ X 14’ X 8’ Capacity
- Powder Coating Capabilities 20’ X 8’ X 8’
Design

Engineering
- 3D Design Capability
- EDEM Complete Transfer Point Design and Fabrication
- Point Cloud Laser Scanning
- New product development
- Custom load zone designs
- Existing products modifications
- Certified CAD engineering drawings

Welding
- MIG steel plate welding using GMAW process
- Stainless steel plate welding using GMAW process
- Aluminum plate welding GMAW and GTAW
- Pipe Welding GTAW, FCAW and GMAW

Manufacturing Software
- E2 Shop System
- Fusion 360 CNC - CAD - CAM
- AutoCAD - Inventor
- Shop Floor control and planning software

Welding
- Steel
- Stainless
- Aluminum
- Miller P30 MIG Welders
- 1 Miller TIG Welder
Machining

CNC Lathe
- 3.5" through spindle capacity
- Live tooling capacity for X and Z axis
- Manual and programming capable of programming on the shop floor

Milling
- 48 tool capacity
- 20" X 20" X 64" capacity
- Manual and programming capable of programming on the shop floor

Laser Cutting

Laser Cutting
- Cost effective laser cutting for carbon and stainless steel
- Maximum material usage by use of a common platform nesting software
- Sheet Capacity 60" X 120"
- 1/4" cutting capacity in steel
- 1/4" cutting capacity in aluminum and stainless
- TruTops Nesting and planning software

3000 Watt Laser
- Carbon Steel 0.02 to 0.75
- Stainless Steel 0.02 to 0.50
- Sheet Size 60" x 120"
Plasma & Pipe Cutting

Plasma
- Table Capacity 60” X 120”
- Capacity up to 1” thick
- Razor Nest nesting software
- Cost effective plasma burner for carbon and stainless steel
- Transfer capability of CAD and .DXF files

Pipe Cutting
- 13” x 18’ capacity
- Capable of miter cutting and auto feed option
- Exceptional cutting performance on a wide range of material.
- Miters from 90° to 45°

Forming
- 16’ capacity at 1/4” thick
- 240 ton capacity
- Programable for multiple bends

Forming
- Hydraulic Press Brake
- High Precision
- Heavy Plate Application
Plasma & Pipe Cutting

**Plasma**
- Table Capacity 60" X 120"
- Capacity up to 1" thick
- Razor Nest nesting software
- Cost effective plasma burner for carbon and stainless steel
- Transfer capability of CAD and .DXF files

**Pipe Cutting**
- 13" x 18" capacity
- Capable of miter cutting and auto feed option
- Exceptional cutting performance on a wide range of material.
- Miter from 90° to 45°

**Forming**
- 10’ capacity at 1/4” thick
- 240 ton capacity
- Programmable for multiple bends

**Forming**
- Hydraulic Press Brake
- High Precision
- Heavy Plate Application
Machining

CNC Lathe
- 3.5” through spindle capacity
- Live tooling capacity for X and Z axis
- Manual programming capable of programming on the shop floor

Milling
- 48 tool capacity
- 20” X 20” X 64” capacity
- Manual programming capable of programming on the shop floor

Laser Cutting

Laser Cutting
- Cost effective laser cutting for carbon and stainless steel
- Maximum material usage by use of a common platform nesting software
- Sheet Capacity 60” X 120”
- 1/2” cutting capacity in steel
- 5/8” cutting capacity in aluminum and stainless
- TruTops Nesting and planning software

3000 Watt Laser
- Carbon Steel 0.02 to 0.75
- Stainless Steel 0.02 to 0.50
- Sheet Size 60” x 120”
Design

Engineering
- 3D Design Capability
- EDEM Complete Transfer Point Design and Fabrication
- Point Cloud Laser Scanning
- New product development
- Custom load zone designs
- Existing products modifications
- Certified CAD engineering drawings

Manufacturing Software
- E2 Shop System
- Fusion 360 CNC - CAD - CAM
- AutoCAD - Inventor
- Shop Floor control and planning software

Welding
- Mild steel plate welding using GMAW process
- Stainless steel plate welding using GMAW process
- Aluminum plate welding GMAW and GTAW
- Pipe Welding GTAW, FCAW and GMAW

Welding
- Steel
- Stainless
- Aluminum
- Miller P90 MIG Welders
- 1 Miller TIG Welder
Powder Coating & Painting

Contents

Design......................................................................................................................... 2
Laser Cutting.................................................................................................................. 3
Plasma & Pipe Cutting................................................................................................... 4
Forming.......................................................................................................................... 6
Machining....................................................................................................................... 6
Welding.......................................................................................................................... 7
Powder Coating & Painting......................................................................................... 8
Complete Fabrication...................................................................................................... 9

Complete Fabrication Department

ASGC®’s complete Fabrication Department can address all emergencies. Engineering and Fabrication of your components happens in the shortest time possible using computerized CNC Plasma and Press Brake machines. All times your damaged systems can be dismantled, re-engineered and re-manufactured in a matter of hours.

ASGC® can redesign troubled systems, bring us your most problematic conveyors for solutions. Our highly skilled and dedicated staff, programmers, machine operators and material handlers have expertise with a wide variety of applications.

Typical Projects Include

- Replacement of rusted/damaged conveyor structures.
- Complete chute replacement and refining
- Impact Zone Modifications, Skirting installation and/or replacement
- Conveyor Frame replacement.

Operating Machines

- Trumpf 3000 Watt Laser 1/4” cutting Capacity 60” X 120”
- Trumpf True Tops Nesting and Planning software
- Komatsu Hi-Definition Plasma Table 60” X 120”
- 2 Hys-Mach Automatic Band Saws
- Mazak VTC 30 Mill 64” X 20” X 20” Capacity
- Mazak FH 8040 Horizontal Mill
- Victor Manual Milling Machine
- South Bend Manual Lathe
- Mazak ST 35 Lathe
- PrimeLine 220 Ton Press Break 10’ capacity at ¾”
- Miller TIG Welder
- 6 Miller P30 Mig Welders
- Paint booth 26’ X 14’ X 8’ Capacity
- Powder Coating Capabilities 20’ X 8’ X 8’
Fabrication Shop

With over 40 years’ experience welding and fabricating steel, stainless steel and aluminum, ASGCO® has the ability to manufacture complex projects because of a skilled, veteran workforce and an experienced management and engineering staff. Our ability to fabricate a wide variety of materials and types of jobs enable ASGCO® to provide diverse services to many industries including mining, cement, energy, and civil structures with a high level of quality and customer satisfaction. Our fabrication capabilities are enhanced by incorporating precision machinery and advance software to the job process.

Contract Manufacturing

Our 28,000 square-foot facility in Nazareth, PA houses all fabrication equipment under one roof to produce high-end precision products for our clients.

Services & Capabilities

- Light to Heavy Fabrication
- Laser Cutting & Precision Bending
- Plating
- Galvanizing
- Epoxy Coating
- Powder Coating
- Conveyors
- Chutes and Transfer Points
- Hoppers and Bins
- Stairways and Handrails
- Custom Fabricated parts
- Repairs