

Introduction to
AETNA PLASTICS
FABRICATION



Aetna Plastics Fabrication

A Harrington Company



Who is Aetna Plastics Fabrication?

- Aetna Plastics Fabrication is an operating unit of Harrington Industrial Plastics, that is a fabricator of thermoplastics materials for industrial markets.
- Our position is to take customer's concepts, designs and drawings and navigate these through our processes and on through production and delivery.
- While we can offer suggestions and ideas, we are not design engineers.
- We will however assist our customers in finalizing their design to improve production efficiency and function.

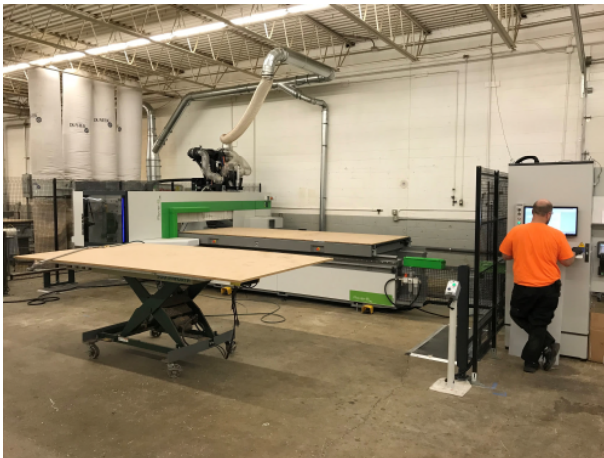
Markets Served

- We provide solutions to OEM and end user markets, including:
 - Chemical processing
 - Manufacturing
 - Environmental & pollution control
 - Food processing
 - Metal processing
 - Water treatment
 - Packaging



Fabrication Equipment

- Machining area equipment
 - Milltronics RH30 Mill
 - Milltronics BR50 Bridge Mill
 - Haas TL Lathe
 - Biesse 3-Axis CNC router with 12-position tool changer
 - Biesse 5-Axis CNC router with 33-position tool changer
 - Hendricks horizontal panel saw



Fabrication Equipment Cont.

- Machining area equipment cont.
 - Wegener bending machine
 - Wegener butt welding machine
 - Automated high-speed cold saw – 3" - 8" pipe
 - Automated cold saw - under 3" pipe
 - Automated horizontal band saw - up to 16" pipe.



Fabrication Techniques

- Fabrication Floor
 - Extrusion welders
 - Hand welders
 - Threading thru 4" pipe
 - Manual lathe
 - 12 Workstations
 - Vertical lift tables
 - Heat bending tables
 - General fabrication equipment
 - hand routers, die grinders, sanders, etc.
 - Fabrication of all major plastic materials, such as Polypropylene, High-Density Polyethylene, Polycarbonate, PVC, CPVC, PVDF, and PTFE



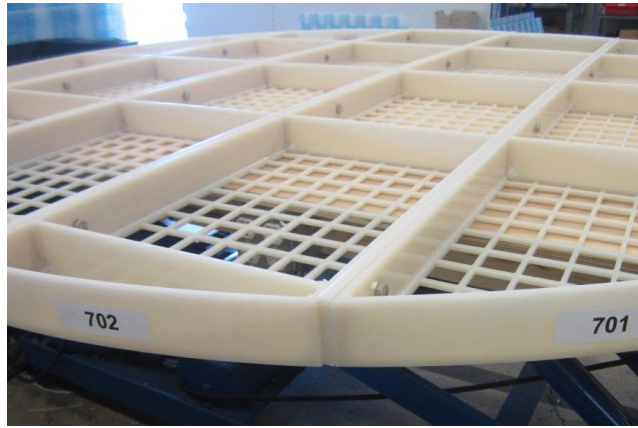
QC and Shipping

- A final quality control inspection is completed prior to the job leaving the shop floor.
- The final step is to move the finished fabrication to shipping and on to the customer.
 - Note: the Project Manager in FSG is available to answer questions and provide assistance to 3P and the fabricators while the project flows through the internal processes. That person is the primary conduit between the customer and our process.



What do we make?

OEM Equipment Fabrication



OEM Equipment Fabrication

As Shown

- Corrosion Resistant Equipment Cabinets
- Column Internals and Process Equipment
- Pump Stations and Enclosures
- Scrubbers

Other OEM Equipment Examples

- Water Treatment Equipment
- Machine Guards & Housings
- Filter Internals
- Fabricate Equipment Parts

Process and Plating Equipment



Process and Plating Equipment

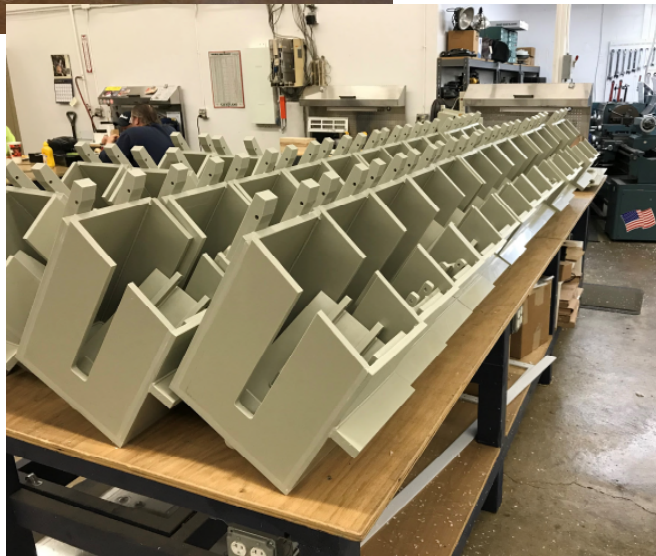
As Shown

- Metal Processing Wash and Rinse Line
- Customer Designed Process Equipment
- PVDF Specialized Scrubber Units
- Pump Stations
- Plating Tanks & Exhaust Hoods

Other Process and Plating Equipment Examples

- Chemical Testing Equipment
- Clarifiers
- Tank & Equipment Covers
- Drip Trays

Industrial Process & Storage Tanks



Industrial Process and Storage Tanks

As Shown

- Customer Designed Double Containment Tank
- Cone Bottom Process Tank
- Glass Recycling Tank
- Precious Metal Recycling Tanks
- Stand Alone Plating Tank

Other Industrial Process and Storage Tank Examples

- Wire Batch Process Tanks
- Chemical Mixing Tanks
- Neutralization Tanks
- Wash Tanks

Ventilation Systems and Components



Ventilation Systems and Components

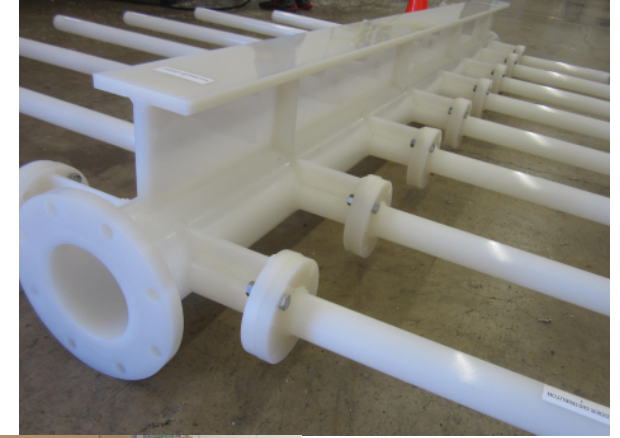
As Shown

- Push/Pull Plating Tank Ventilation System
- Scrubber Mist Elimination Section
- Blower and Ducting For Plating Tanks
- Large Mist Eliminator Housing
- Column Internal

Other Ventilation Systems and Component Examples

- Custom Duct Fitting and Systems
- Air Blower Housings
- Mist Pad Housings
- Air Manifold

Pipe Manifolds and Assemblies



Pipe Manifolds and Assemblies

As Shown

- Filter Housing Manifolds
- Spray Headers
- Column/Scrubber Spray Headers
- Process Piping Spool Section
- Aerator Piping Sections

Other Pipe Manifold and Assembly Examples

- Spray Wands
- Down Pipes
- Spargers
- Still Wells

Thank You!

