



CNC Machining | Fabrication | Welding | Powder Coating

Capability Summary

Hegins Production Facility



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CNC Machining

- CNC Integrated Turning/Milling
Size Range: 1/4"-2.5" dia. thru, 10" chuck
- CNC Vertical Milling with CNC Rotary Tables
Size Range: 64" x 32"
- CNC Horizontal Milling with Pallet Changers
Size Range: 20" x 20"
- CNC Turning with Bar Feeders
Size Range: 3" dia thru, 16" dia x 30"L chuck
- CNC Automated Precision Sawing
- Automated Robotic Loading/Unloading System
- Manual Turning
Size Range: 30" diameter x 60" Long
- Manual Milling
Size Range: 60" x 120"
- Material Types: Stainless Steel, Carbon Steel, Aluminum, Brass, Bronze, Plastics, and some Specialty Materials

Welding

- 24 Welding Machines - MIG, TIG, SMAW
- Certified Welding - Comply with all applicable Domestic and International welding codes for structural fabrication.

Fabrication

- Laser Cutting
4000-Watt Fiber Laser (5' x 10' table) w/ Fully Automated Load/Unload System
Materials and Thickness Capabilities
Mild Steel (Up to 1")
Stainless Steel (Up to 1/2")
Aluminum (Up to 1/2")
- CNC Press Brake (Up to 250 ton x 12')
- CNC Tube Plasma (12" x 3/4" wall)
- CNC Plasma Cutting (5' x 10' x 1-1/4" max)
- CNC Flame Cutting (5' x 10' x 2" max)
- CNC Shearing (1/4" x 10')
- CNC Pipe Rolling (5.5" x 0.120" Tube, 4" Sch. 40 pipe)
- CNC Angle Rolling (4" x 4" x 1/2" Angle)
- Pipe Bending (Up to 2" Pipe)
- Automated Precision Sawing

Finishing

- Powder Coating (25'L x 12'H x 10'W)
- Sandblasting (25'L x 12'H x 10'W)
- Wet Spray Systems (25'L x 12'H x 10'W)
- Finishing (Consortium)
Electropolish Anodize
Heat Treating Grinding
All Plating Types

Delano Assembly Division

3D Printing

- **Printer Properties**
 - Process Fused Filament Fabrication, Continuous Filament Fabrication
 - Build Volume 330 x 270 x 200 mm (13 x 10.6 x 7.9 in)
 - Print Bed Kinematic coupling — flat to within 80 µm
 - Laser In-process inspection, active print calibration, bed leveling
 - Extrusion System Second-generation extruder, out-of-plastic and out-of-fiber detection
- **Materials**
 - Plastics Available Onyx, Onyx FR, Onyx ESD, Nylon White
 - Fibers Available Carbon fiber, fiberglass, Kevlar®, HSHF fiberglass
 - Tensile Strength 800 MPa (25.8x ABS, 2.6x 6061-T6 Aluminum)
 - Tensile Modulus 60 GPa (26.9x ABS, 0.87x 6061-T6 Aluminum)
- **Part Properties**
 - Layer Height 100 µm default, 50 µm minimum, 250 µm maximum
 - Infill Closed cell infill: multiple geometries available

Design Engineering

- Concept to Full Production
- 2D/3D Modeling Design - SolidWorks, SolidCAM, Autodesk
- Full Integration of Mechanical Components - Motors, Electronics, Circuit Boards, Controls
- Project Consultation & Management
- “Design-For-Manufacturing” Engineering Review
- 3D Scanning and Reverse Engineering Available

With over 25 years of experience in the manufacturing industry, Ashland Technologies, Inc. has created a one stop shop model that is uniquely positioned to service the needs of many industries.

Offering multiple services all in house, our team can turn any idea into a finished product. We are one of the few companies that can oversee an entire project from prototype to production!

Assembly & Fulfillment

- 40,000sf Dedicated Assembly/Testing Facility
- Complete Fulfillment Logistics to End Users
 - Direct Drop Shipment
 - Warehousing & Inventory Management
 - Customer Supplied Instructions/Manuals
 - Arranging Transportation Services
- Scope of Assembly Services
 - Electrical Wiring
 - Circuit Board Integration
 - Motors and Drives Install and Testing
 - Software Integration and Testing
 - UL Certification (3rd Party) Available
 - Hydraulic/Pneumatic Integration
 - Hardware Kits
 - Graphics Dev/Printing/Application
 - Lighting installation and testing
- Custom Packaging Solutions
 - Standard Packaging & Crating
 - Custom Retail Style Packaging
 - Unique Custom Labeling
 - UPC/Barcode labeling



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