



ASTRO Machine Works
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CAPABILITY STATEMENT

CAGE CODE: 3G8C7

DUNS: 108049503

JCP CODE: 0040903

FEIN: 23-2311405

FSC: 3540, 3695

ITAR: M28306

ISO 9001:2015/AS9100D: TUV Certificate 951 15 7098

NAICS: 332710, 332999, 333922, 333999, 336611, 333514, 333515, 339999, 332439, 333993, 336411, 332313, 332812, 332994

Astro Machine Works is a 100% Employee-Owned ISO 9001, and AS9100 quality management system certified small business. We are a full-service products and solutions provider of custom automation machinery, components and fabrications to a variety of industries including pharmaceutical, medical, energy production, food processing, defense and government projects. Our company possesses over 40 years of experience in the custom machine building, fabricating, and machining business.

CAPABILITIES:

- Over 25K contract manufacturing hours available per month
- Custom automation machinery up to 50' length and 75,000 lbs.
- Comprehensive machine repair, rebuilds, including teardowns, technology upgrades and testing
- Complete fabrication, CNC machining, assembly, finishing and testing
- Structural fabrications, weldments, maintenance parts, replacement parts, tooling and fixture modification
- Turning capabilities to 40" diameter and lengths to 160"
- Milling capabilities to machine surfaces to 118" x 236" x 47"
- Surface grinding to 16" x 28"
- In house panel wiring and electrical capabilities
- Wire EDM to 23.62" x 15.75" x 19.69"
- Waterjet, laser, plasma, flame and saw cutting available
- Welding and Fabrication to AWS, ASME BPVC Section IX, and NAVSEA requirements
- All metals, alloys, select non-metallic materials, structural shapes including channel, angle, beam, tubes and plate
- Certified Non-Destructive Testing: In-house - Visual and Liquid Penetrant (Visible Dye and Fluorescent); Sub-contract - Ultrasonic, Magnetic Particle, and Radiography
- Manufacturing Engineering Support Services, including SolidWorks, 2D CAD, and Reverse Engineering
- Controls Engineering Support for Automation - PLC / HMI Programming, Data Collection, Panel Wiring & Schematics
- Secondary processes including paint (nuclear, military, marine, industrial, CARC), chrome plating, anodizing, electropolishing, chemical conversion and others: NADCAP certification available

FACILITIES AND EQUIPMENT

- 82,000 sf. + Manufacturing and assembly
- Complete inspection facilities including (4) bridge style Coordinate Measuring Machines, (2 with 5-axis probe system), (3) portable articulating arm Coordinate Measuring Machines
- X-Ray Fluorescence Alloy Analyzer
- Welding Stations for GTAW, GMAW, and FCAW.
- CNC and manual milling to 90" x 125" x 39" envelope, 5-Axis CNC milling to 118" x 236" x 47" envelope
- 30' x 60' Paint Bay with 32,000 cubic ft. per minute of heated triple filtered air for high quality finishes
- CNC and manual lathes turning diameters up to 40" and lengths to 160" and including live tooling
- Wire EDM to 23.62" x 15.75" x 19.69" travel
- Raw material saw cutting to 12" dia. and 20' length
- Overhead cranes to 10-ton capacity
- Delivery services include direct customer delivery, express/expedite delivery, LTL, truckload
- ERP software for job tracking

EXPERTISE:

- Manufacturing Engineering support staff experienced in SolidWorks, 3D modeling, WorkNC & MasterCam
- 40+ years' Controls Engineering Support, OEM Partner with Rockwell Automation, Mitsubishi, Yaskawa, Omron, Automation Direct, and Maple
- Formally trained full time Machinists & CNC Machinists
- Welder/Fabricators certified to AWS, ASME BPVC Section IX, and NAVSEA requirements. Processes include: GTAW, GMAW, and FCAW. Certified for Carbon Steel, Stainless Steel, Aluminum, Titanium, and Nickel Alloys.
- On-Site AWS Certified Welding Inspector (CWI)
- Assembly/Project Managers with 35+ years' experience in machine building
- Complete electrical panel and PLC wiring capabilities
- Quality Assurance Manager with 35+ years' experience, ASQ Certified Quality Engineer, Certified Quality Auditor, and Certified Calibration Technician
- Continuous employee training on the latest technologies and business best practices

KEY CUSTOMERS:

- Westinghouse Electric LLC
- General Electric
- DuPont
- Armstrong World Industries
- East Penn Manufacturing
- US Department of Commerce
- US Navy
- Department of Energy (DOE)
- US Army
- NASA