



**ASTRO Machine Works**  
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100% Employee Owned

## 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 35 years of experience in the custom machine building, fabricating, and machining business.

### CAPABILITIES:

- Over 20K 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 and alloys, and 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
- Engineering and Design Support services, including SolidWorks, 2D CAD, and reverse engineering
- Secondary processes including paint (nuclear, military, marine, industrial, CARC), chrome plating, anodizing, electropolishing, chemical conversion and others: NADCAP certification available

## **FACILITIES AND EQUIPMENT**

- 72,000 sf. + Manufacturing and assembly
- 10,000 sf. Light manufacturing, warehouse and overflow assembly
- Complete inspection facilities including (4) bridge style Coordinate Measuring Machines, (2 with 5-axis probe system), (3) portable articulating arm Coordinate Measuring Machines, (1 with Laser Scanning capability)
- X-Ray Fluorescence Alloy Analyzer
- 30' x 60' Paint Bay with 32,000 cubic ft. per minute of heated triple filtered air for high quality finishes
- Welding Stations for GTAW, GMAW, and FCAW.
- CNC and manual milling to 34" x 84" x 34" envelope, 5-Axis CNC milling to 118" x 236" x 47" envelope
- 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:**

- Engineering support staff experienced in SolidWorks, 3D modeling, WorkNC & MasterCam
- 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 30+ years' experience in machine building
- Complete panel and PLC wiring capabilities
- Quality Assurance Manager with 30+ 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