



Primary Flow Signal, Inc.
800 Wellington Avenue
Cranston RI 02910
401-461-6366 (office)
401-461-4450 (fax)
877-737-3569 (toll-free)
www.primaryflowsignal.com



CAPABILITY STATEMENT

CAGE CODE: 1URS0

DUNS: 11-833-7450

ISO 9001: 2015

OTHER CERTIFICATIONS: ASME S & U, PED Module H

NAICS: 332420, 332439, 332510, 332710, 332721, 332722, 332811, 332919, 332996, 332999, 333131, 333132, 333511, 333514, 334513

Primary Flow Signal operates a state-of-the-art, 70,000 sqft manufacturing facility providing comprehensive solutions for general manufacturing. With expertise in engineering, project management, and an unparalleled range of capabilities, PFS delivers top-quality results tailored to your specific needs. From small prototypes to large-scale assemblies, our processes are backed by industry-leading certifications and a steadfast commitment to excellence.

CAPABILITIES:

Advanced Machining Services

- High-precision Wire EDM ($\pm 0.0001"$) for intricate designs
- Coordinate Measuring Machine (CMM) accuracy to $\pm 0.0001"$
- Large-scale turning and milling:
 - Vertical Boring Mills up to 84" diameter, 75" under the rail
 - Horizontal CNC lathes with capacities up to 40" x 120"

Fabrication Expertise

- Forming capacities from diameters as small as 1/4" to 96"
- Heavy-duty equipment like a 300-ton press brake and precision pinch rolls for metal forming

Welding Excellence

- In-house weld engineering ensures ASME Section IX and PED-compliant procedures.

- Specialization in low alloy chrome and super duplex materials
- High-quality welds, including Alloy 625 cladding, GTAW root, and SAW fill joints

Testing & Quality Assurance

- Comprehensive NDE and testing services, including:
 - VT, PT, MT, UT*, RT*, PMI, Hardness, Ferrite Testing, and Calibration (*UT & RT outsourced)
- ISO 9001-certified processes for strict quality adherence

Finishing Services

- Abrasive blasting, precision painting, and custom crating for export



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EQUIPMENT HIGHLIGHTS:

Machining:

- Kingston CNC Lathes (up to 40" x 120" capacity)
- Leadwell and Hitachi Seiki Vertical Machining Centers
- Giddings & Lewis Vertical Boring Mills

Fabrication & Welding:

- 300-Ton Verson Press Brake
- Multiple GTAW, GMAW, and SAW weld stations
- Tip Tig auto-feed welder

Testing:

- Mitutoyo CMM with ±0.000001" accuracy
- Manning's Heat Treatment Equipment

Material Handling:

- 5 Versa Lift 30-Ton Fork Trucks
- Multiple Overhead Cranes (up to 30 tons)

FULL EQUIPMENT LIST:

Turning Equipment: (Horizontal)

- Kingston CL-38-2500 CNC Lathe (20" x100")
- Kingston CL-38-2500 CNC lathe (20" x 120")
- Kingston LD-45-80 CNC Lathe (40" x 120")
- Kia 15 LMS B, CNC Lathe (twin spindle) w/ live tooling
- Kia 21 LMS B, CNC Lathe (twin spindle) w/ live tooling
- Kia 28 TN CNC Lathe 10" chuck 42" between centers
- Kia 28 TN CNC Lathe 10" chuck with 42" between centers
- Okuma Howa twin spindle lathe 2SP-1 6" chucks
- Yama Seiki 10" CNC Lathe 42" between centers
- Mazak 10" CNC LATHE 42" between centers
- HYUNDAI QUICKTURN 28N CNC LATHE 42" between centers
- American 12 x 60 Engine lathe
- South Bend 6 x 36 Engine lathe

Turning Equipment: (Vertical)

- CINCINNATTI HYPRO 84" Vertical Boring Mill 75" under the rail
- GIDDINGS & LEWIS 64" VTL, S/N 7508
- BULLARD X-1601, 42" VTL W/Double Ram
- BULLARD 42" VTL
- BULLARD 42" CUTMASTER VTL, # 19445

Milling Equipment:

- COLLET 6" Horizontal Boring Mill W/ 10' Rotary Table
- COLLET 6" Horizontal Boring Mill
- LUCAS #42, 3" Horizontal Boring Mill W/ Rotary Table
- LEADWELL V-40 CNC Vertical Machining Center w/ 4th axis
- LEADWELL V-40 CNC Vertical Machining Center
- HITACHI SEIKI V65 Vertical Machining Center
- Toshiba 4" Spindle CNC Horizontal Milling Machine
- Bridgeport F 537 Vertical Milling Machine



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Drilling & Other Equipment:

- Meuser 60" Radial Drill
- 20" HEM CNC Horizontal Cut-off Saw
- CSEPEL 40" Radial Drill
- 3 Makino Wire EDM machines
- Vanguard Z3050x16/2 Radial Drill
- Brada 4' x 12" radial drill
- 36" Blanchard grinder

Fabrication Equipment:

- Thermal Dynamics "Dynatorch" Pak 45, Plasma / CNC Profiler W/ 10' X 12' Water Table
- 300 Ton, Verson No. T15-12, Press Brake
- 60 Ton, Niagra No.1b 60 6x8 (6'=3/16", 10' =10 Ga.)
- 325 Ton Standard Hydraulic Press Brake
- Bertsch Pinch Rolls, 1-1/4 X 8' W/ 16" Dia Rolls
- Webb No. R3l-102-a Pinch Rolls, 5/16" X 6'
- H&s Tool, Inc. Pneumatic Pipe Beveller & Facing Tool To 24"

Welding Equipment:

- Tip Tig auto feed welder
- (2) 6'X8' Manipulator W/ Lincoln 650 Amp, NA5, Sub Arc control PANDJIRIS 1600 16' Manipulator W/ Lincoln 1000 Amp Sub Arc W / NA-3N Controller
- Various 12" – 48" Weld Positioners
- Power Rolls and Mechanized Welding Systems
- (11) GTAW / GMAW WELD STATIONS
- (8) Miller Syncrowave 250 DX Weld GTAW machines
- (4) Miller Dimension 652 CV GMAW Machines
- (1) Miller Dynasty 700 Inverter /Pulse GTAW Machine
- (1) Miller Deltaweld 452 CV GMAW Machine
- Thermal Dynamics "MERLIN" PAK 15XL Plasma
- Miller SRC 333, 450A DC CC, Air Arc Machine
- Other Weld Processes:
 - Flux Core Arc Welding,
 - Shielded Metal Arc Welding
 - Submerged Arc Welding
 - Carbide, stellite, and Inconel hard facing

Additional Manufacturing Capabilities:

- KAESER Abrasive Blast System and Painting to Customers Specs.
- CNC laser marking system
- Hydro / Proof Testing Equipment to 15,000 PSI.
- Calibration Lab to 6" NPS; flow rates up to 900gpm;1500cfm
- Fiberglass Mold and Finishing Cell
- Manning's Heat treatment Equipment
- Honing Equipment to 16" dia.
- Weld Inspection (NDE); VT, PT, UT and nearby RT
- Mitutoyo Coordinate Measuring Machine
- Digital PMI test gun
- Tooling and Gage Calibration Program and Software
- Various Fork trucks, including a Versa lift 30 Ton
- (2) Five-Ton overhead cranes
- (2) Two-Ton cranes
- Class 3 (Cryogenic applications) cleaning Station
- Crating & Packaging Department with export shipping to international standards.
- Hardness tester
- 36" Blanchard Grinder
- 36" Timesaver



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EXPERTISE:

- Engineering support staff experienced in SolidWorks, 3D modeling & SolidCam
- Formally trained full time Machinists & CNC Machinists
- Welder/Fabricators certified to AWS, ASME BPVC Section IX requirements.
Processes include: GTAW, GMAW, and FCAW. Certified for Carbon Steel, Stainless Steel, Aluminum, Titanium, and Nickel Alloys
- Nearby AWS Certified Welding Inspector (CWI)
- Assembly/Project Managers with 30+ years' experience in machine building
- Quality Assurance Manager with 30+ years' experience, Certified Quality Auditor, and Calibration Technician
- Continuous employee training in the latest technologies and business best practices