



FLAWLESS EXECUTION



CREATING advantage THROUGH PERFORMANCE

precision SHEET metal FABRICATION

Orion is a world-class provider of precision sheet metal products to the aerospace, defense, automotive, medical and marine industries. Orion uses the latest technologies and a wide range of production processes to efficiently deliver the highest quality products possible. Orion utilizes the latest CAD/CAM programming, including CATIA and AmadaCam to meet unique customer requests.

CNC machining

Orion uses the most advanced CNC milling and turning equipment, and the latest CAD/CAM software available, including CATIA and MasterCam, to produce precision machined products and to assure our customers' needs are met using the most efficient methods possible.

mechanical ASSEMBLY services

Orion specializes in vertical integration of products using our complementary core processes. Our mechanical assembly team has the expertise to tackle complex mechanical assemblies. Riveting, bonding, bolting, tube swagging and complex layouts are routine processes performed to demanding specifications. We employ state-of-the-art equipment and processes including VISUAL ERP, which integrates estimating, engineering, shop floor control, quality, inventory management and accounting processes.

Orion is ISO 9001 and AS9100 certified, ITAR registered, and is a LEAN manufacturing facility. Cage code 6X195.



hydraulic ASSEMBLY services

Orion provides final assembly services for hydraulic, pneumatic and fuel system components. We configure pumps, valves, filter modules and tubing assemblies to specific customer requirements and provide kitting services direct to production lines.

equipment LIST

Shaping (1)

Techno 59"x60" 3 axis CNC router

Milling (10)

Multiple axis horizontal and vertical CNCs up to 40"x17"x23.5"

Turning (1)

CNC lathe with 8"x20" travel, 12" cutting diameter and 2" bar feed

Shearing (2)

72"x.250"x36" back gauge

Surface Graining (4)

CEMCO wet system widebelt sander, Vibrodyne vibraburrs, and Hammond roto finish

Blanking Press (3)

Metallic and non-metallic dies up to 21"x40" with 45, 65, and 176 tons

CNC Brake Press (3)

96"x.250" aluminum and .109" steel; .032"-1" bend radius; 35, 55, and 80 tons pressure capabilities

Punch Press (1)

AMADA Pega CNC 24 station with auto index, 144"x.250" aluminum with .060"-2" hole and slot sizes

Water Jet (2)

4'x4' table, up to 2" thick

Piercing (4)

KENCO; 8, 15, and 20 tons pressure capabilities

Riveting (8)

General Pneumatic C frame and Chicago Pneumatic Alligator

Inspection (1)

19.6"x27.5"x19.6" Brown & Sharpe CMM

in
2012
we...



- were chosen as Boeing's Supplier of the Year for Outside Manufacturing from over **17,000** suppliers worldwide
- shipped **1.4** million parts to customers
- were awarded Washington Non-profit Manufacturer of the Year by the Seattle Business Magazine
- opened our second manufacturing facility, adding **8,500** sq ft to house our hydraulic assembly business unit and to accommodate additional growth in our manufacturing business
- selected the site for our new facility and started the design
- ran **10** improvement workshops to increase performance
- hired **45** new manufacturing staff members
- trained over **160** program participants in our shop
- successfully upgraded our quality system to AS9100 Rev C



CUSTOMERS

Orion provides top-of-the-line quality, delivery performance, and value to OEM, Tier 1 and manufacturing leaders.

AIM Aerospace
AMT Senior Aerospace
Amprior Aerospace
Boeing Commercial
Boeing Defense, Space and Security
Danner Corporation
EZ Access

Gemini Engineering
Hexcel
Lovitt Technologies Australia
Primus International
Spirit AeroSystems Inc.
TECT Aerospace
Triumph Composite Systems



Jordan came to Orion looking for new skills to find employment. As a referral from the Division of Vocational Rehabilitation, he became an Orion program participant in our aerospace training program, and utilized Orion's job development and retention services. Now, Jordan is working at an international company, Northstar, fixing and repairing airplane windows, doors and hydraulics.

"I like my job. I enjoy the atmosphere. The bosses are fair—they work alongside us."

These values that Jordan holds in esteem are also part of the Orion culture. At Orion, staff are mentors for program participants and work alongside them as they are in training. For many people like Jordan, it is a way to a bright future. "Orion taught me skills that helped me work in aerospace."

Orion Job Developer, Cathy Wegner, worked with Jordan during and after his time at Orion. "She did a great job. She was spot on about keeping in contact with me." Jordan valued his time at Orion. "It is a great place and a great program. The staff does a terrific job teaching the clients. It was a wonderful experience."

Jordan plans on staying at Northstar, which is consistent with the majority of Orion's program participants, who have a higher-than-average retention rate. "I want to see what I can learn at Northstar and where they can take me."



tombrosius
general manager



seandwyer
business development manager



joannaboatwright
sales associate



carriemartinson
production control lead



erinjackson
quality manager



randygilleland
machine shop supervisor



shawncristensen
materials manager



lizhickman
production control lead

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