

Automation

Equipment, Tooling & Testing

Janicki has been specializing in large-scale automation since its founding in 1993 as a machine design and fabrication company. Staffed with mechanical, electrical, and controls engineers as well as a team of automation technicians, Janicki is positioned to deliver high quality and innovative solutions to the composite industry. With its diverse industry base and product line, Janicki can pull from established methodologies and the latest technologies to design systems and solutions to solve any problem. From multi-segmented tools, large aerospace factory designs, pick-n-place tools, software engineering, and systems integration, Janicki is ready to tackle any project.

Large-Scale, Tight-Tolerance and Precision

Large Scale Automated Assembly Equipment



Automated Multifunctional Stringer Manufacturing Tooling



Multiaxial Automated Positioning Fixture



Nadcap AC7118 CERTIFIED

AS9100 CERTIFIED

BAC 5578 & BAC 5317 Approved

Boeing Digital Product Definition Approved Supplier

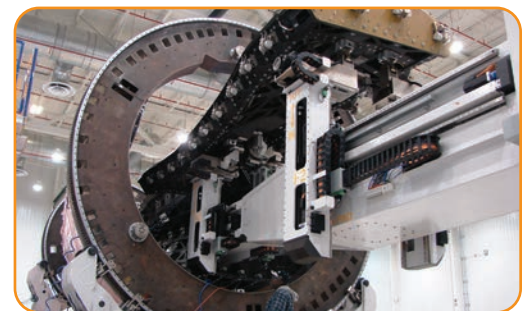
Boeing approved processor to D1-4426 requirements



508A CERTIFIED Industrial Control Panel Fabricator Reg. #316793



Heated Molds



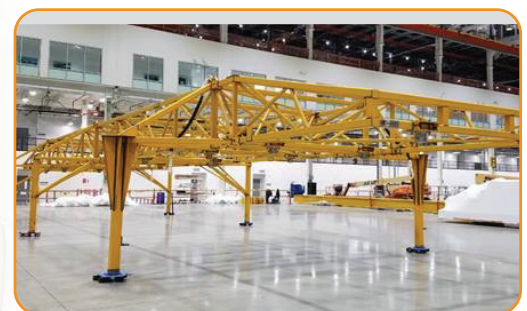
Segmented Tools

Specializing in Large Scale Mechatronics

- Mechanical and Electrical Integration
- Instrumentation and Controls
- Process Design Controls
- Systems Integration (Siemens and Leica)
- Software Engineering
- Special Compensation Algorithms



25 Years Designing and Building Large 5-Axis CNC Machines



Overhead Multiconfiguration Handling Tool

Janicki Design and Automation

- Customer Focused
- Automated Machinery Experience
- Aviation Industry Specialists
- Broad Partnership Base



Facilities Optimized for Automation

Janicki's facilities have been designed to accommodate the largest and most complex projects. With configurable floor space and vertical integration Janicki's design and control engineers have all the tools needed to take a project from concept through design to complete fabrication and on-site commissioning.

Janicki's engineering team is equipped with the latest 3D modeling and analysis tools to provide a complete design solution.

- Concurrently develop part and tooling
- Expert in optimization for manufacturability
- Complete machine design using CATIA, NX, ePlan and TIA Portal as some of its key software
- Full staffing including mechanical and electrical design, stress analysis, software development and onsite engineering support
- Specializing in Siemens as a partner and OEM distributor



Control Cabinet

5-Axis CNC Milling

Janicki's mills are completely designed and built in-house. They are unsurpassed in precision and scale with repeatable tolerance of ± 0.003 " and envelopes up to 100' x 20' x 8'. Our proprietary CNC software uses custom Janicki volumetric error compensation algorithms that provide unprecedented accuracy.

Electronic Design & Cabinet Build

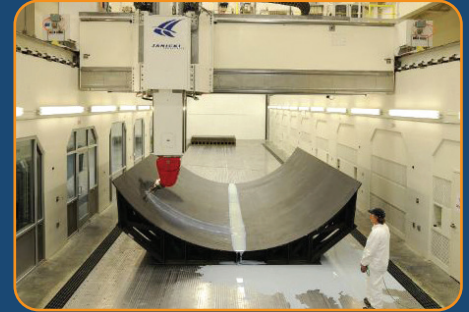
- UL508A electronics cabinet design and fabrication
- Controls engineering for process and manufacturing automation
- Algorithm development and implementation
- Research and Development and proof of concept
- Machine design integration
- Complete integration of automation system into a manufacturing facility

Equipment

- 10 Large 5-Axis CNC Mills (100' x 20')
- Machine Shop (4 & 5-Axis Mills & Lathes)
- Oven (100' x 24' x 14') w/ Automated Controls
- Weld Shop (Certified Welders)
- Waterjet & Plasma Cutter (14' x 42')
- Autoclave (12' x 50')
- Annealing Furnace (24' x 72')
- 25 Ton Overhead Cranes
- Grit Blasting & Paint Booth (60' x 16' x 10')
- 1,100 Ton Forming Press
- Ply Cutters (6' x 45')



Over 454,000 sq. ft. of Production Facility



5-Axis CNC Milling: Large Scale & Precise



Janicki UL Cabinet Shop



Automated Overhead Mechanical Handling Equipment

Sedro-Woolley, WA

160,000 ft²

350
Employees

Hamilton, WA

254,000 ft²

360
Employees

Layton, UT

100,000 ft²

100+
Employees

our **quality** promise

- Dedicated Continuous Improvement
- Deliver Quality Products
- Exceed Customers' Requirements

JULY 2020

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