

Metal Forming Solution for Complex Projects

Bringing Value with 1,100 Ton Press

Janicki Industries offers custom forming for your complex metallic projects. Our new 1,100 Ton Forming Press is one of the largest in the United States and specializes in the forming of double curved panels. Our operators are trained and experienced and ready to meet your metal forming needs. The press is suitable for bending, stretching and rolling. This combination of three functions makes the press extremely universal for the production of two and three dimensional shaped panels.



Nieland SBP 1000 Forming Press

Features

- ▶ 1,100 Tons of Pressing Capacity
- ▶ Synchronized Automatic Tooling Rotation
- ▶ Integrated Cranes
- ▶ Programmable Logic Controller (PLC) System
- ▶ Stabilization Dampers
- ▶ Cylindrical and Convex Rollers
- ▶ Variety of Stamps and Dies



Aluminum Production Tool



Bend, Stretch, Roll



Complex curves for Aerospace fairing

Capabilities

- ▶ Forming up to 3" Thick
- ▶ Maximum Width = 10'
- ▶ Maximum Length = 40'
- ▶ Efficient Cold Forming: Rolling, Spot Stretching and Bending techniques in a single press
- ▶ Complex curvature
- ▶ Tight tolerances
- ▶ Quality Inspection Reports
- ▶ Internally developed forming macro enables optimization of break-line density

Typical Materials

- ▶ Carbon Steel
- ▶ Invar
- ▶ Aluminum
- ▶ Stainless Steel

Products

- ▶ Aerospace Production Tooling
- ▶ Military Production Tooling
- ▶ Ship Hulls
- ▶ Tanks for Oil & Gas and Marine



Nadcap AC7118 CERTIFIED

ISO 9001:2008 CERTIFIED

AS9100C CERTIFIED

AWS D1.1, D1.2 and D17.1 CERTIFIED

ASME Section VIII and IX CERTIFIED

Boeing Digital Product Definition
Approved Supplier

Boeing approved processor to
D1-4426 requirements

Production Tooling

Capabilities | Experience | Equipment

Janicki invests in facilities and equipment to optimize fabrication of large and accurate composite and metal tools. Janicki has the capabilities and experience to build production tooling for major OEMs, Tier 1 and Tier 2 suppliers across several industries.

Capabilities

- ▶ Engineering Design & Analysis
- ▶ 5-Axis NC Milling (+/- 0.005")
- ▶ Large-scale Facilities
- ▶ R&D Lab
- ▶ Metrology
- ▶ Tool leak testing w/ Helium / Autoclave



Carbon Fiber Lay-up



Annealing Furnace

Program Experience

- ▶ Large collapsible Fuselage Mandrels for Aerospace OEM
- ▶ Complex Wing-to-Body Fairing Tools
- ▶ 80 ft carbon fiber lay-up mold for a commercial jet wing
- ▶ Fuselage molds for UAV
- ▶ Long, curving stringer & beam molds
- ▶ Fuselage molds for helicopters

Equipment

- ▶ 9 Large 5 Axis CNC Mills (100' x 20')
- ▶ Machine Shop (4 & 5 Axis Mills & Lathes)
- ▶ Ovens (100' x 24' x 14')
- ▶ Weld Shop (Certified Welders)
- ▶ Water & 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



Forming Press



Large-Scale, Precision 5-Axis NC Mill



12' X 50' Autoclave

our
quality promise

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

Sedro-Woolley, WA

117,000 ft²

325+
Employees

Hamilton, WA

164,000 ft²

350+
Employees

Layton, UT

100,000 ft²

50+
Employees



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