



Equipment & Capabilities 2024



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Mechanical

Core capabilities



→ Hardware installation & metal work

Riveting, drilling, dimpling, close hole tolerance, countersinking, micro-shaving, roller swaging, lock wire installation, torquing

→ Bonding

Bonding of shims and fillers; rubber, metal to all non-metal surfaces

→ Finish Applications

Application of cosmetic touch up using materials specified by customer

Equipment List and Capabilities

2x6 belt and disc sander

Double insulated router

Porter cable grinder - cutting, grinding, and polishing metal

8" bench grinder - cutting, grinding, shaping, sharpening, polishing metal

10" drill press - hole boring in metal, wood, plastic

15" drill press - hole boring in metal, wood, plastic

17" drill press - hole boring in metal, wood, plastic

Industrial Grieve oven - baking, drying, curing of adhesives and bonding materials

Mill drill - chamfering, milling Rivet squeeze

36" compression riveter

Certifications



Mechanical certifications as it pertains to aerospace

- **BAC5000:** Sealing
- **BAC5001-6:** Lubrication of fittings & install
- **BAC5001-7:** Installation of hose assemblies
- **BAC5001-9:** Installation of couplings
- **BAC5001-10:** Tube installation, tube Fitting, tightening and tube clamping
- **BAC5018:** Installation of safetying devices
- **BAC5117-2:** BACS53B or M83454/4 preinstalled ground stud install
- **BAC5117-3:** Standard preinstalled ground stud installation
- **BAC5117-4:** Direct ground stud installation
- **BAC5117-6:** Electrical faying surface bond
- **BAC5117-7:** driven rivet electrical bond
- **BAC5117-8:** Electrical bonding-ground block installation
- **BAC5117-10:** Electrical bonding, clamps install on tubes/conduit
- **BAC5430:** Fabrication and installation of resin bonded laminated shims or solid fillers
- **BAC5736:** Application of chemical and solvent resistant finishes



Electrical

Core capabilities



→ **Electrical Harness Assembly- Customer specific electrical assemblies and electro-mechanical assemblies.**

Hand soldering and tinning, crimping, splicing.

→ **Wire Kitting/Packaging**

Kitting of wire, components, time and temperature sensitive materials, decals and labels per customer requirements.

→ **Electrical Bonding and Testing**

Assembly and testing of conductive surfaces.

Equipment List and Capabilities

Capris 50-100 Cut and Code Machine - 26 AWG to 6 AWG, laser marking on single-core wires and multi-core cables. Aerospace and other areas.

Nova 800 Cut and Code Machine - 26 AWG to 6 AWG, laser marking on single-core wires and multi-core cables. Aerospace and other areas.

Pneumatic crimpers and dies

Certifications



Electrical Certifications as it pertains to Aerospace:

- **BAC5155:** Solder sleeve assembly
- **BAC5157:** Cable Preparation
- **BAC5162-47:** Assembly of 10-60479 connectors
- **BAC5162-72:** Assembly of BACC65AA and BACC65AB connectors
- **BAC5162-73:** Assembly of BACC65AN, BACC65AP, BACC65AV, and BACC65AW connector
- **BAC5162-75:** Assembly of BACC47GA and BACC47GB contacts
- **BAC5162-78:** Assembly of BACC65BJ and BACC65BK connector
- **BAC5162-79:** Assembly of circular connector backshells
- **BAC5169:** Coaxial connectors and contacts



Custom Core capabilities



→ Fulfillment/Kitting

Anything from hardware to coffee. Retail displays. Whatever the customers needs would be. Counting scales are available to assist with accuracy down to customer specified tolerances.

→ Die Cutting

Capacity to fulfill high volume orders, and subcontract with a company that provides a custom die to meet customer needs.

→ Tool Refurbishment

Refurbishment of 3M and Honeywell respirators. We will break down your company's used respirators and clean and sanitize to the Manufacturer's recommendations, replacing cartridges and repackaging them like new.

Refurbishment of deburring and sealant tools. We can remove used or worn-down materials and apply new materials. Reducing waste and one-time use tools.

Equipment List and Capabilities

Domino Part Mark Machine - Part marking or serialization in compliance with Aerospace and on materials such as glass, metal, rubber, plastic, and wood. Bridgeways also provide protective overcoating after part marking.

APM SA27 Ton Clicker Press - Die cutting for foam, gasket materials, abrasives, textiles, vinyl, composites, plastics, cardboard, and paper. Can also provide perforating or creasing.

Heat Sealers - Assists with kitting and packaging and providing the customer with custom bag sizes with preferred materials.

Heat Shrink Cutter - Automatic feeding and cutting of medical tubing, coax cable, PVC tubing, vinyl, rubber, silicone, electrical wiring 8 to 20 AWG and heat shrink tubing up to 3/8" OD.

H and I Series Datamax Thermal Label Printers - Label/thermal printing capabilities on a wide variety of media (ID tape, wire ID sleeving, placards, and decals, and more).

TE Connectivity T3224 Label Printer - Label/thermal printing capabilities on a wide variety of media (ID tape, wire ID sleeving, placards, and decals, and more).

Planning & Logistics

Core capabilities



→ Planning and Procurement

Capacity to plan, procure and manage supply chain per customer demands.

→ Storage Capacity

Ability to work with customers on short term and long term storage solutions.

→ Materials Management

Inventory Management and ERP system consistent with ASCM principles.

→ Packaging/Shipping and Receiving

FedEx, UPS, LTL scheduling, receiving EDI orders. Ability to receive orders from large trucks via drive up dock. Sourcing/Printing custom labeling for final packaging.

Equipment List and Capabilities

Electric Mitsubishi Forklift - Also have all basic material handling equipment

4 Vehicle Delivery Fleet - Provides the opportunity to customer deliver orders (including palletized) within local area

Our Vision & Mission

Bridgeways' mission is to provide services that promote quality of life for individuals living with a mental concern in a manner that facilitates growth, independence, and a sense of community.

We carry out our mission each day through our manufacturing employment social enterprise and an array of programs; connecting adults living with mental health concern to life-changing opportunities through employment, housing supports, and engagement with mental health and other supportive services.

Do you have a unique project with specific needs?



Contact



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