



HOW OUR CAPABILITIES MATCH YOUR AIRCRAFT & AUTOMOTIVE NEEDS

For more than sixty years, Bishop-Wisecarver has created innovative solutions for tough mechanical engineering challenges for a variety of industries including Aircraft and Automotive maintenance and manufacturing. We continue to make high quality products tailored to each customer's needs that provide durability, long life and reliable functionality for even the most heavy duty and ergonomic of designs.

Customers like us because our collection of linear and curvilinear motion technologies provide them with product differentiation and customizable solutions to fit virtually any environment. From dirty and corrosive conditions to cleanroom and washdown settings, our products come in many sizes, lengths, material types and customizations no matter how few or many you order. Whether you need straight, back and forth motion or a curved track solution with custom bends and turns, we have the technologies and resources to fit your needs to a vee.

SOLVED AIRCRAFT & AUTOMOTIVE DESIGN CHALLENGES

Manifold Assembly Made Safer, Easier and More Efficient

A manufacturer catering to the needs of a first-tier auto-maker sought to streamline their assembly process of testing and boxing its hydraulic manifolds. The team needed our heavy duty rotary guide system capable of handling lots of exposure to oil, dirt and metal chips.

Ergonomics and Efficiency For Assembly Operators

In need of addressing safety concerns and ergonomic functionality, a manufacturer looked to put their assembly machine tools in motion. Our low-profile linear guide was needed to carry heavy tools alongside a body building station, and the linear slide chosen was easier to mount, smoother, quieter and more durable than competing profile rails.

WHAT MAKES US DIFFERENT

Our manufacturing facility and staff tackle tough engineering challenges with a novel approach — we have the patents to prove it and are majority sourced USA.

We offer custom engineering services and technical expertise in motion, sensor and actuator integration, real-time software development, and electromechanical modeling and design.

As the original inventor of DualVee Motion Technology®, we offer a high quality v-bearing guide wheel technology that is excellent for high speed, smooth motion, low noise and long lengths. DualVee® comes with four guide wheel options: original v-bearing wheels, studded v-bearing wheels, patented integral v-bearing wheels and patented washdown wheels.

FEATURED PRODUCTS BASED ON LINEAR GUIDE WHEEL TECHNOLOGY

PRT2 Precision Ring and Track— Not all motion needs are linear, which is where these fully adjustable, debris-tolerant rotary systems come into play. This collection of stainless steel rotary guides comes with an extensive range of sizes, shapes and customizations.

HDRT Heavy Duty Ring and Track — Combines flexibility of the PRT ring and track with the size and strength of heavier duty guided motion technology to support large loads.

LoPro® Linear Actuators — Offers smooth, quiet motion over long lengths with four types of actuation: belt, chain, lead screw and ball screw. Gantry systems are also available.

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Bishop-Wisecarver is a certified woman-owned manufacturer in its second generation, and has remained one of the most respected names in custom automation solutions and guided motion technology since 1950.

The San Francisco Bay Area company manufactures, stocks, and distributes components and systems for linear, rotary and curved track applications globally, and has been the exclusive North and Central American Partner and Distributor for HepcoMotion® products since 1984.

Our desire to be your number one choice is what drives us to continually develop our industry knowledge, services and imagination — whether it is an off-the-shelf product or a custom solution, we fit you to a vee.

Product Offerings:

- Linear Components & Accessories
- Manual Linear Guides
- Actuated Linear Guides
- Complete XYZ Systems
- Rotary Components & Accessories
- Rings & Curved Track Segments
- Rotary Guide Systems
- Custom Solutions

Industries Served:

- Aerospace & Defense
- Aircraft & Automotive
- Architecture
- Consumer Products
- Conveying Equipment
- Electronics
- Entertainment
- Food Processing & Packaging
- General Automation
- Industrial Machinery
- Instrumentation
- Lab Automation
- Liquid Handling
- Machine Tool
- Material Handling
- Medical Device Manufacturing
- Packaging
- Paper & Textiles
- Powertransmission & Railway
- Printing Machinery
- Printed Circuit Assembly
- Research & Development
- Relay & Industrial Controls
- Radio & TV Broadcasting
- Robotics
- Semi-Conductor Fabrication
- Surgical Equipment
- Transportation
- Welding & Soldering
- Wood Processing