



HOW OUR CAPABILITIES MATCH YOUR INDUSTRIAL MACHINERY NEEDS

For more than sixty years, Bishop-Wisecarver has created innovative solutions for tough mechanical engineering challenges for a variety of industries including Industrial Machinery. 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 complex 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, we have the technologies and resources to fit your needs to a tee.

SOLVED INDUSTRIAL EQUIPMENT DESIGN CHALLENGES

Linear Slide System Immune to Glass Dust Debris

Tiny glass dust particles were wreaking havoc on a cathode ray tube screen-splitting recycling machine, causing premature failure. The designer chose our heavy duty linear slide system because of its ability to handle the rough, dust-laden environment.

Actuated Linear Slide Jets Through Cement

A building parts manufacturer that makes plank siding for homes needed an actuated system that would hold up in a plant covered in cement dust. They chose our low-profile linear actuators to help feed fiber-cement slabs underneath a bank of waterjet cutters.

Flexible Product Demands Flexible Handling

A manufacturer of washing machine hosing needed a system with the necessary operational flexibility right up to the packaging station. Engineers designed our heavy duty linear track system into the heart of the assembly because of its durability and ease of installation.

WHAT MAKES US DIFFERENT

Our engineering and manufacturing facility provides expert development support and quick turnaround time. We tackle all 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

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 available.

DTS Driven Track System — A durable and highly stable duplex track system capable of withstanding continuous motion. This complete integrated package comes with many options including a wheel plate locking system for accurately repeatable location.

HDRT Heavy Duty Ring and Track — Use ring segments and straight slides to create a custom track shape able to carry large loads in critical working environments.

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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 tee.

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