



HOW OUR CAPABILITIES MATCH YOUR PRINTING MACHINERY NEEDS

For more than sixty years, Bishop-Wisecarver has created innovative solutions for tough mechanical engineering challenges for a variety of industries including Printing Machinery. We continue to make high quality products tailored to each customer's needs that provide durability, long life and reliable functionality for the most complex and heavy duty 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, unlimited lengths, various 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 ENERGY DESIGN CHALLENGES

Low Profile Linear Guides Easily Adapt to Print Technology

A manufacturer of high-speed electronic variable data printing systems needed our slide system for positioning a print head. The slide had to be accurate, repeatable, compact and durable for successful printing of sequential barcodes, tickets, labels and direct mail.

Double Vee-Edge Bearings Guide Robotic Crane

An industrial printing company needed our linear bearings and track to smoothly guide a robotic crane across 24 feet for log depalletizing and load stream feeding. It was important that the guide wheels handle debris-laden conditions and that the track was tough enough to double as rebar for the aluminum beam that guided the robotic crane.

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 DUALVEE MOTION 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.

UtiliTrak® Linear Guides — Ideal for running two parallel systems, where one slide runs on v-bearings and the other on MadeWell® crowned rollers to compensate for misalignment.

MinVee® Miniature Linear Guides — Low-profile miniature linear slides are composed of a compact carriage assembly and a double-edged track. Non-actuated versions use our smallest wheels available (size 0) in either polymer or steel.

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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