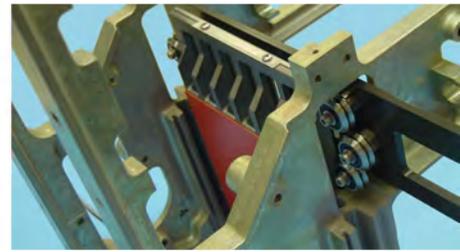




MEDICAL Industry Segment



HOW OUR CAPABILITIES MATCH YOUR MEDICAL DEVICE NEEDS

For more than sixty years, Bishop-Wisecarver has created innovative solutions for tough mechanical engineering challenges for the Medical Device Manufacturing Industry. We continue to make high quality products that provide high speed, long life and durability. Customers like us because our collection of linear and curvilinear motion technology based products 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.

SOLVED MEDICAL INDUSTRY APPLICATION CHALLENGES

Vascular Grafting in Motion

A design engineer had the challenge of building a linear actuator setup that could wind vascular grafting material within very exact specifications — precision was key because the material had to last and function after surgery.

Staining Process Machine Gets Faster and More Efficient

Our linear guides were needed to support the parallel workflow processing of walk-away lab analysis automation used to improve lab efficiency and staining quality.

Custom Five-Wheel Carriage for “Easy-to-Guide” Vertical Motion

A contract manufacturer of custom, high-value carts, consoles and tables required a vertically mounted linear guide system to easily raise and lower a support shelf on a cart designed for a portable device. It needed to be cost efficient and provide smooth operation and stability when the cart was in the fully-raised position.

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. The DualVee® line provides a variety of guide wheel options: The original v-bearing wheels, studded v-bearing wheels, our patented washdown wheels, vacuum wheels, and wheels for high and low temperatures.

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 and multi-axis configurations are available.

UtiliTrak® Linear Guides

Ideal for running two systems in parallel, 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, stainless steel.



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