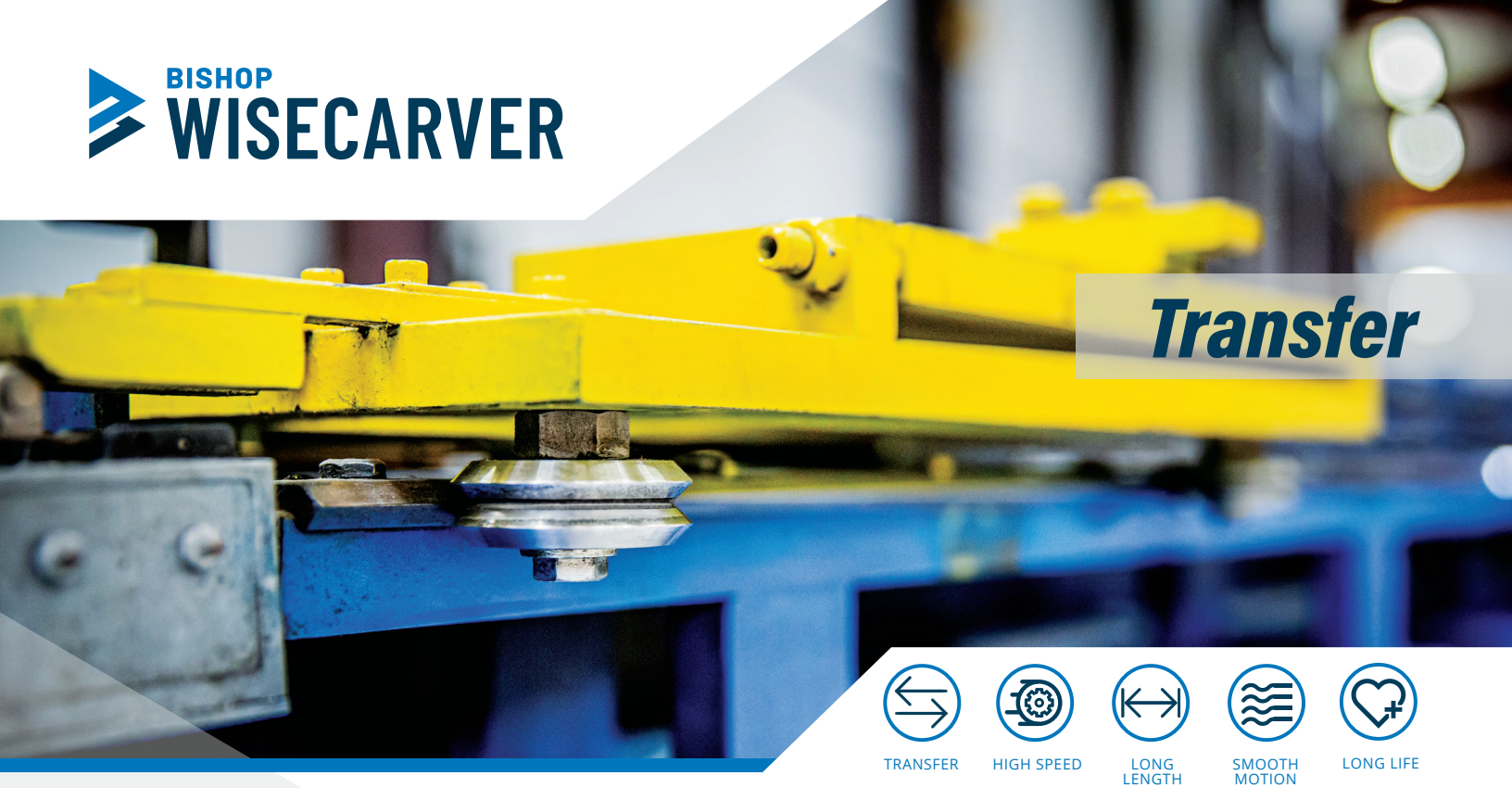
BISHOP
WISECARVER



Transfer

TRANSFER | HIGH SPEED | LONG LENGTH | SMOOTH MOTION | LONG LIFE

Whether moving an industrial robot across the factory floor or electronic assemblies at high speeds, Bishop-Wisecarver® products are the right fit for dependable product and tool transfer in automation.

- *Laboratory/medical industry OEMs rely on Bishop-Wisecarver to deliver smooth motion and corrosion resistance.*
- *Our guides and actuators are critical to the durability of automated farming and precision agriculture equipment.*
- *In entertainment, Bishop-Wisecarver technology creates smooth and quiet motion so that nothing takes away from the production.*

SMOOTH MOTION, LONG LENGTHS & HIGH SPEEDS

At the core of our systems and actuators is **DualVee Motion Technology®**. Our vee track comes in base lengths up to 22 ft. (~6.7 m) and can be joined end-to-end (without costly precision alignment and machining) to create long transfer systems.

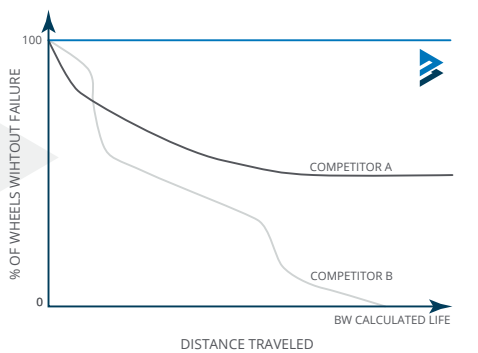
Additionally, as vee wheels run on their matching track, the angled profiles wipe any debris out of the way. This self-cleaning action keeps the motion extremely smooth and prevents buildups that could lead to motion system failure.

Speeds up to 18 ft/s (5.5 m/s) and accelerations up to 5 g's enable high throughput transfer processes.

LONG-LASTING MOTION SYSTEMS

Importantly, Bishop-Wisecarver systems inherently provide ***long life*** with ***low maintenance***. See how our DualVee® wheel and track systems outlast and outperform the competition in this whitepaper:

PERCENT OF WHEELS WITHOUT FAILURE VS. DISTANCE



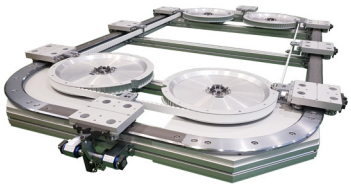
BISHOP WISECARVER

CORROSION RESISTANT & DURABLE IN EXTREME ENVIRONMENTS

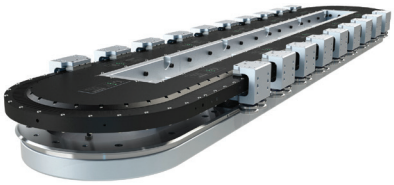
Bishop-Wisecarver provides solutions for your toughest motion challenges.

- *Corrosion resistant solutions with stainless steel or polymer-overmolded components*
- *Options for high temperatures (up to 500° F / 260° C) and low temperatures (down to -94° F / -70° F)*
- *Vacuum-grade wheels ideal for lab, semiconductor, etc.*
- *Washdown wheel with double seal*
- *High load and moment capacity options to move entire machine subassemblies and transfer robots*

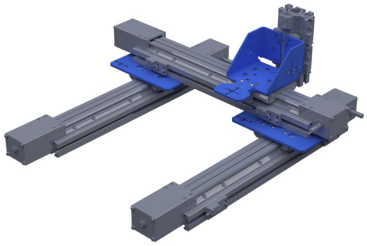
DESIGN THE PATH YOU NEED



Designing long transfer circuits and indexed stations is easy with Driven Track Systems (HepcoMotion® **DTS** and **DTS2**).



Vee guide technology can even combine with **linear motors** to offer highly versatile, independently driven carriage transfer at high speeds.



Take the guesswork out of creating a gantry or multi-axis transfer system – simply connect LoPro® Linear Actuators with a **Gantry Kit**.

Design your optimal motion path for both speed and footprint by using Bishop-Wisecarver linear, rotary, or complex curved systems.

Bishop-Wisecarver® is proud to be the exclusive North American distributor of HepcoMotion® products since 1984.

GET THE RIGHT SOLUTION FOR YOUR TRANSFER APPLICATION

Our expert Application Engineers can help you design a motion system that meets all your application requirements - using standard or fully custom solutions.

Our customers tell us that Bishop-Wisercarver is much better than the competition by being easy to do business with, delivering on time, and providing products and services they can rely on. Leveraging 70 years of experience, Bishop-Wisecarver has earned the reputation for providing unmatched service and engineering support for every stage of your design cycle.

Complex Assemblies
- Electro-mechanical assembly
- Supply chain management
- P.O. consolidation and kitting

Motion Products
- Linear guides, actuators and stages
- Rotary & curvilinear motion guides
- Multi-axis actuated systems

Automation and Integration
- Mechanical motion system design
- Electronic engineering
- Motion control analysis and integration

Production Support
- Profile extrusion design
- Machining and finishing
- Fabrication, prototypes and production

Check out our product selector to learn more about the Bishop-Wisecarver products that fit your needs or our CAD downloads to see our products in your design!