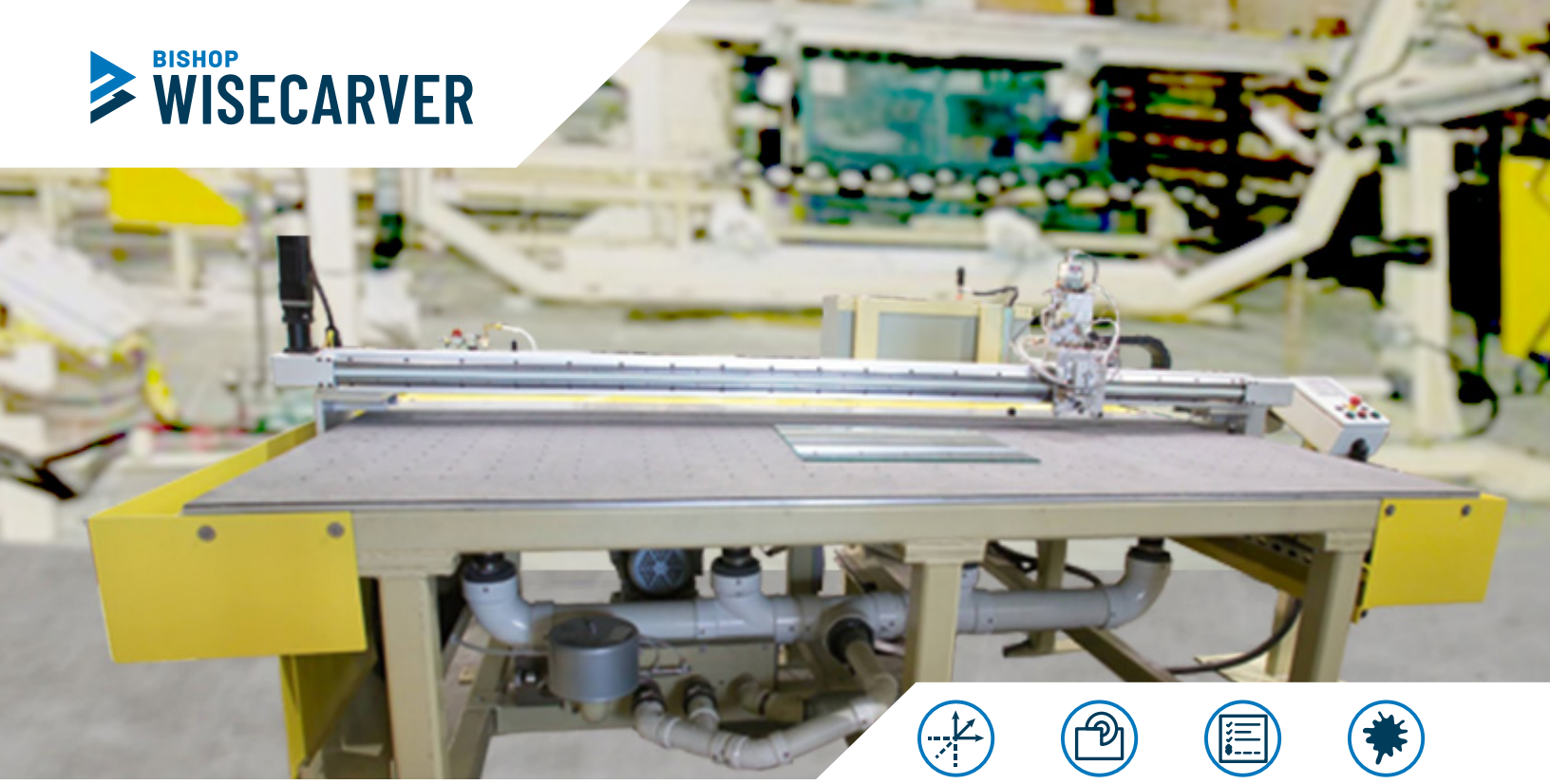
BISHOP WISECARVER



MULTI-AXIS CAPABILITIES | CUTTING | TOTAL LOW COST OF OWNERSHIP | DIRTY ENVIRONMENT

X-Y GLASS CUTTING CNC

Glass - Cutting

Durable and economic solution for custom glass.

APPLICATION:

A glass equipment OEM was designing a multi-axis CNC for cutting custom shapes from raw glass. The goal was to create an economical machine that was easy to operate and easy to maintain. The cutting table uses an air system to create a vacuum beneath glass parts, holding them in place during cutting. When it comes time to move the pieces, the air system reverses direction to allow the glass to float easily over the surface. This system has its advantages for ease of manipulation, but has the potential to blow glass dust onto the cutting axis. The OEM required a robust actuator that met expectations for total cost of ownership, from manufacturer installation through end-user maintenance.

CHALLENGE:

Provide actuation for the multi-axis CNC glass cutter which is easy to install and capable of handling abrasive glass dust and debris that result from the cutting process.

WHY BISHOP-WISECARVER:

- Highly reliable LoPro® actuators suited for harsh and extreme environments
- Self-cleaning vee guide wheels wipe away glass dust and debris
- Can be easily configured for gantry systems (XYZ, XY or XZ)
- Low profile solutions for use in compact spaces
- Speeds up to 5.5 m/s (18 ft/s) and long system lengths available
- LoPro QuickShip program (1 week lead time for select systems)

SOLUTION:

The OEM chose LoPro® linear actuators from Bishop-Wisecarver because they are designed to excel in harsh and extreme environments. The combination of quality materials and self-cleaning DualVee Motion Technology® ensures this system is built to last and deliver a lower total cost of ownership to the end user. Additionally, the LoPro® makes installation easy. Since its beam serves as the structural component of the cutting axis, the actuator serves as a drop-in solution to which the cutting head and other components are mounted.

CONTACT US TO DISCUSS YOUR SPECIFIC GUIDED MOTION NEEDS