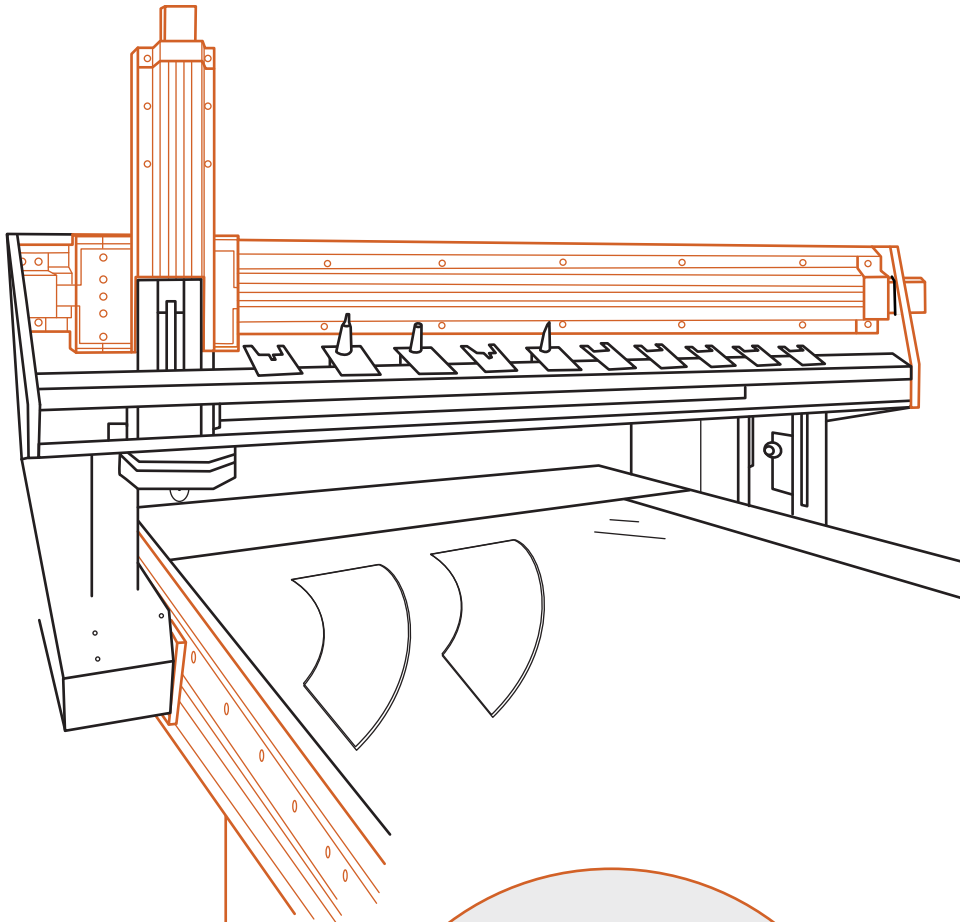


## PRODUCTS USED

LoPro® Linear Actuator, Lead Screw Drive,  
Steel Beam Mounted



LOPRO® LINEAR ACTUATOR  
WITH LEAD SCREW DRIVE,  
STEEL BEAM MOUNTED

## Industry: Cutting

### CNC Fiberglass Cutting

Debris tolerant LoPro® linear actuators handle the harshest cutting environments.

### Application Description

Fiberglass is used in all kinds of innovations, from bone casts to the fire shelters that save wildland firefighters. CNC routing machines that cut fiberglass shapes can become damaged over time by the abrasive particles that result from the cutting process. Routers that use Bishop-Wisecarver's LoPro® linear actuators, however, wipe themselves free of debris thanks to DualVee Motion Technology®.

This machine design uses four LoPro® actuators in a three axis gantry configuration. The Z axis automatically changes tools from the arsenal of drills, router bits, various straight knives, and a rotary knife (pizza wheel). The debris tolerance of its actuators makes it ideal for cutting through other difficult materials as well, such as acrylic, corrugated cardboard, and foam.

### Why Bishop-Wisecarver

- Multi-axis capabilities and gantry kits available
- DualVee Motion Technology® for maximum debris tolerance and low maintenance
- Wiper wheel plate for added particle protection
- Speeds up to 5.5 m/s
- Long lengths 70+ ft
- Smooth guided motion