



MULTI-AXIS
CAPABILITIES



CUSTOMIZABLE



LONG LIFE



DIRTY
ENVIRONMENT

CNC MILL

Cutting - Equipment

Bishop-Wisecarver Products Defeat Debris in CNC Machines

APPLICATION DESCRIPTION:

ShopBot CNC equipment helps individual makers and manufacturing shops fabricate their ideas. Their ShopBot Buddy® router typically handles milling, drilling, and cutting operations and the resulting debris. It can come fully assembled or may be put together on-site by a ShopBot technician.

SOLUTION:

The X- and Y-axes use DualVee® wheels running on hardened vee tracks built into custom aluminum extrusions. In the Z-axis, UtiliTrak® linear guides provide misalignment tolerance and is adjustable to maintain axis rigidity throughout the life of the machine. Linear guides from Bishop-Wisecarver are designed to operate under harsh conditions, thanks to their self-cleaning vee wheels that keep ShopBot's routers running with limited maintenance.

CHALLENGE:

Whether cutting wood, metal, fiberglass, or other material, CNC routers must tolerate the resulting dust and debris to get the job done. Both ShopBot and their customers need axes that exhibit smooth motion without binding.

WHY BISHOP-WISECARVER:

- High load capacity
- Self-cleaning with vee wheel technology
- Longer life and lower overall cost of ownership
- Low maintenance requirements
- UtiliTrak Vee and C channel combination provides misalignment tolerance
- Custom engineered solutions and help from experienced professionals



UTILITRAK® SW SERIES
WHEEL PLATE

CONTACT US TO DISCUSS YOUR SPECIFIC GUIDED MOTION NEEDS