



## October News & Updates

10/9/2025



### Dynamic Support for High-Speed Turning

BISON's live centers are designed to deliver continuous, rotating support at the tail end of a driven spindle. With carbide tips, interchangeable heads, and models rated for high RPMs, they maintain concentric support even under load. Because the live center is actively spinning with the work, it minimizes friction, reduces drag, and helps preserve part integrity.

[View Live Centers](#)

### Solid Reference, Zero Movement

In many turning operations — especially when using a steady rest or for roughing operations — a dead center provides a fixed, immovable reference point. BISON's dead centers are engineered for durability, with optional carbide tips for extended life. Their simple, rigid construction ensures you have a firm axial support without introducing rotational errors.

**BISON Dead Centers**



### Completing Your Support Chain

Accuracy in turning isn't just about a great chuck or cutting tool — it's about how every component in the chain contributes to rigidity, alignment, and repeatability. When your live center, dead center, toolholder, and tailstock are all designed for precision, you reduce cumulative error, instability, and vibration.

If you'd like help

### Back-End Stability for Long, Lean Workpieces

For operations where you need to support the workpiece from the non-driven end (long slender parts, deep turning, or when using live/dead centers), a solid tailstock is essential. BISON's tailstocks provide alignment,



durability, and load resistance, helping reduce deflection under thrust.

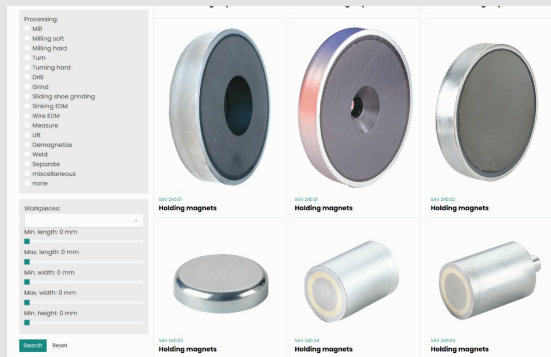
## BISON Tailstocks

selecting combinations of these for your specific machines or applications, contact our support team. We're here to help you optimize your setup from spindle to workpiece.

## Capto Style Tooling for Rigidity & Repeatability

The connection between spindle and cutting tool is where forces get concentrated. BISON's Capto-style toolholders (and other spindle tooling) ensure that your tooling interface is stiff, repeatable, and modular. By minimizing runout, improving locking interface precision, and reducing vibration, the right toolholder can dramatically affect surface finish and tool life.

## View Capto Holders



## Magnetic Chuck Finder

Finding the right magnetic chuck just got easier! BISON's website now features a dedicated SAV landing page with a Magnetic Chuck Finder tool that provides personalized recommendations based on your machining needs

## Magnetic Chucks

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