



November News & Updates

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Precision Driven Productivity

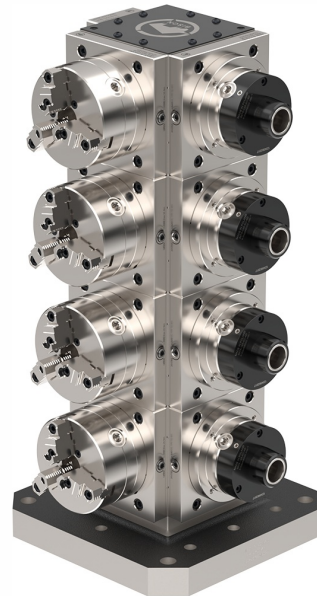
At BISON, we believe that productivity isn't just about speed — it's about precision. Every component must hold, align, and repeat exactly as intended to ensure efficiency, quality, and consistency. This month, we're spotlighting four clamping solutions that exemplify our commitment to precision-driven productivity.

[Visit our Website](https://www.bison-america.com)

The Foundation of Stable Machining

Our machine vises offer the sturdy, reliable grip your shop needs to maintain tight tolerances across every job. Engineered with prismatic-jaw guidance, these vises minimize radial clearance and deliver consistent clamping across repeated cycles. That stability isn't just about holding a part — it's about building a foundation for every subsequent operation to run smoothly, reducing setup time and maximizing output!

BISON's Vises



Compact Power, Minimal Interference

Our low-profile scroll chucks are designed for applications where vertical space is at a premium but clamping performance can't be compromised. With a compact design and low moment of inertia, these chucks clamp strongly yet deform minimally, preserving part geometry even under high speeds. This makes them ideal for machines with limited Z-axis travel, or where you want to stay close to the workpiece for maximum rigidity.



Maximize Your Machining Footprint

Tombstones represent a smart way to scale productivity without scaling overhead. When mounted on a pallet or table, these fixtures let you machine multiple faces of a part in one setup, leveraging the precision of your machine and reducing changeover time. Combined with

**View
Specs**

BISON's tight tolerances and rigid construction, our custom tombstones help transform single-operation routines into high-efficiency, multi-surface workflows.

Repeatability in Every Rotation

When jobs demand repeated angular indexing — for example, gear machining, drilling, or rotary operations — our indexing fixtures deliver. Take the 5911-200 model: it features an interchangeable dividing plate that allows for flexible, accurate division of rotations. That repeatability ensures that every indexed position is precise, enabling tight tolerances and consistent part geometry. By integrating these fixtures into your setup, you're adding a component that seamlessly bridges multi-axis precision with high-efficiency production.

**View Indexing
Fixtures**

**Watch Tombstone
Video**

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