July News & Updates

7/29/2026

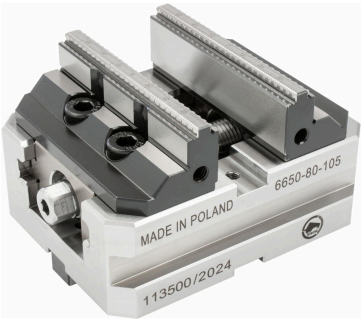
Zero Point Baseplates

Every minute spent on setup is time the machine isn't making parts. BISON's Zero-Point Baseplate System is designed to minimize changeover time by providing fast, accurate, and repeatable positioning of workholding devices. Whether switching between vises, magnetic chucks, or custom fixtures, operators can complete setups with confidence while maintaining consistent accuracy. The result is increased spindle utilization, reduced downtime, and a more efficient milling process that helps manufacturers maximize productivity without compromising precision.

Zero Point System

Self-Centering Vises

A repeatable setup is only as good as the workholding mounted to it. BISON's precision vises deliver the rigidity and accuracy required for demanding milling applications, making them an ideal complement to the Zero-Point Baseplate System. To further expand our milling solutions, BISON now offers hydraulic and pneumatic self-centering vises, providing fast, repeatable clamping with excellent centering accuracy for high-production environments. Together, our vise lineup gives manufacturers the flexibility to choose the right solution for everything from precision machining to automated production.



New Vises

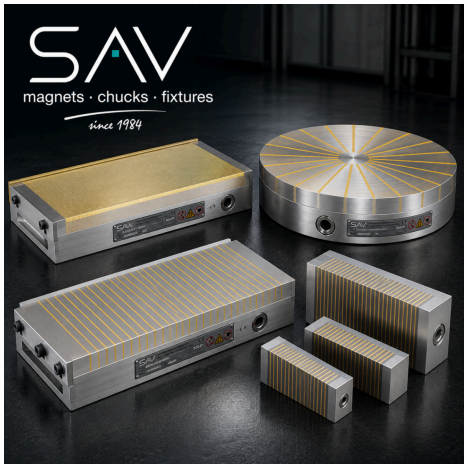
Low-Profile Milling Chucks

Precision workholding is only part of achieving better milling performance—the right toolholding solution is just as important. BISON Low-Profile Milling Chucks provide exceptional gripping force, low runout, and increased tool clearance to support demanding milling applications. Their compact design helps reduce interference while maintaining the rigidity needed for high-speed machining and superior surface finishes. Paired with accurate workholding solutions, BISON Milling Chucks help manufacturers achieve the precision and consistency required to maximize every machining operation.

Low-Profile Chucks

Magnetic Chucks

Some milling applications demand an alternative to conventional mechanical clamping, especially when machining thin, delicate, or irregularly shaped workpieces. As the exclusive U.S. importer and stocking distributor of SAV magnetic workholding solutions, BISON offers permanent, electro-permanent, and electromagnetic chucks designed to provide secure, distortion-free holding while maximizing access to the workpiece. Whether used alongside vises or integrated into a Zero-Point setup, SAV Magnetic Chucks give manufacturers greater flexibility to tackle a wider range of milling applications with confidence.



Magnetic Chucks Catalog

IMTS2026
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Visit us at IMTS

BISON USA will be exhibiting at IMTS this year, and we invite you to stop by our booth 431670 in the West Hall to see our latest workholding and toolholding solutions in person. It's a great

opportunity to explore products like our SAV magnetic chucks and precision milling solutions up close while speaking directly with our sales staff and engineering team. Whether you're looking to improve an existing process or explore new machining solutions, we look forward to connecting with you at IMTS.

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