
Innovative Workholding Industry Northfield Precision Instrument Corp. Showcases
Groundbreaking Custom Solutions at SHOT SHOW

Firearms Industry Trade Show

Northfield Precision, a pioneering force in the custom workholding industry, is set to dazzle attendees at the upcoming **Shot Show** with their latest custom workholding solutions. With a rich history of delivering high precision workholding, Northfield Precision continues to lead the way with their off-the-shelf and custom solutions tailored to meet the evolving needs of the industry.

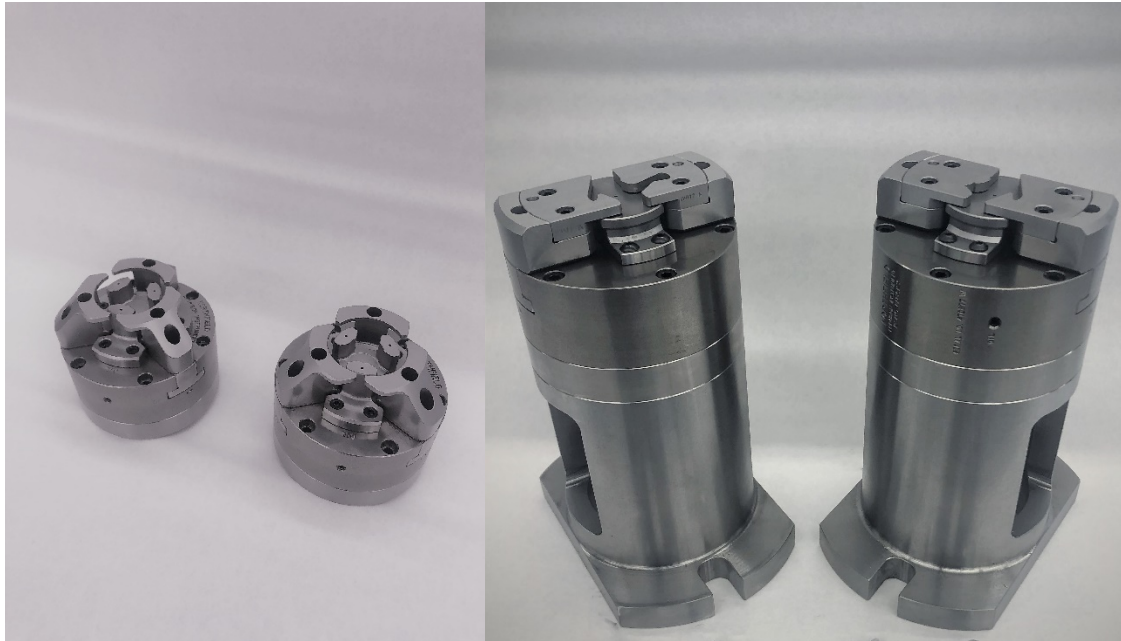
The spotlight will shine on two exceptional projects, each exemplifying Northfield Precision's commitment to excellence and ingenuity in machining operations:

1. Sporting Rifle Bolt Carrier Group:



Partnering with cutting-edge machine tool productivity innovators, Northfield Precision tackled the challenge of tooling up a standard dual head rotary table to accommodate a bolt carrier. The solution involved the development of custom air-driven Northfield 16C collet chucks, allowing for seamless actuation on the customer's rotary table. With the option of air or hydraulic configurations, Northfield Precision ensures optimal grip force for various machining operations, catering to the specific needs of manufacturers.

2. 5-Axis Machining in Two Steps:



Northfield Precision's expertise shines through in this project, where they engineered a high precision custom workholding solution to streamline machining operations for AR-15 upper receiver components. By employing a combination of the Model 450W and Model 470W Sliding-Jaw Air Chucks, Northfield Precision achieved unparalleled precision and efficiency. With custom hardened jaws and Electro Discharge Machined (EDM) inserts, Northfield Precision's solution enables finishing all part machining operations in just two setups, significantly reducing errors and saving valuable time.

Our showcase at **Shot Show** underscores our unwavering commitment to pushing the boundaries of innovation in custom workholding," says **Darryl Celli, Senior Applications Engineer** at Northfield Precision. "We invite attendees to visit our booth and explore firsthand how our solutions can elevate their machining processes to new heights of precision and efficiency."

For those seeking bespoke workholding solutions backed by collaborative design processes, Northfield Precision offers unmatched expertise and support. Visit their booth at **51210** or reach out to their engineering team today to discuss your projects.

For more information about Northfield Precision and their comprehensive catalogue of products, visit www.northfield.com

Summary:

Northfield's long-standing relationships in the firearms industry speaks volumes about the products and service offered. With both stock and custom solutions available, get in touch today to discuss your latest product with the engineering team.

About Northfield Precision:

Northfield Precision Instrument Corp.: Northfield is a custom work holding solutions company based in Island Park, New York. Founded in 1952, Northfield designs and produces the most accurate custom chucks in the world, guaranteed from 0.0001" (2.5 μ) - 0.000010" (0.25 μ). Northfield supplies a global customer base across, automotive, aerospace and medical industries.

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