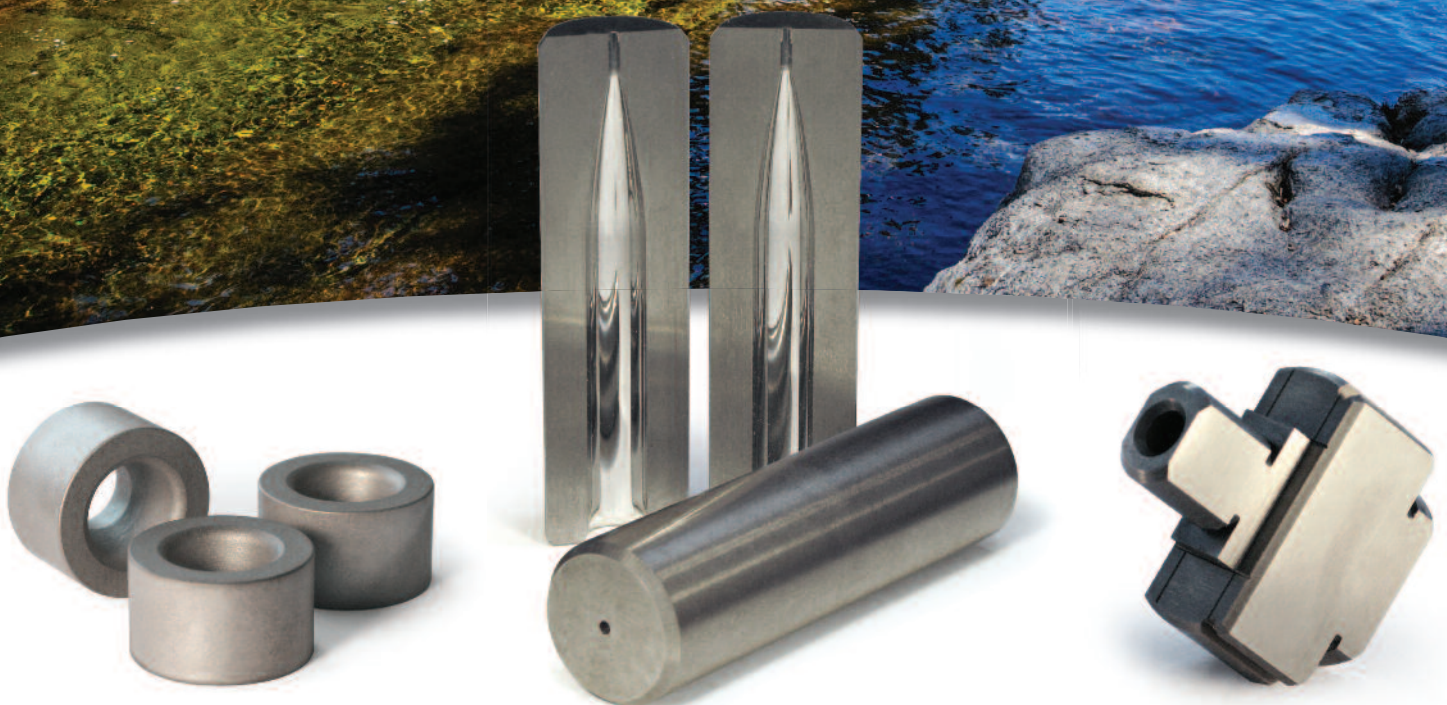




Innovative Solutions For The Ammunition & Defense Industries



Quality Tungsten Carbide
Dies That Outperform
The Competition

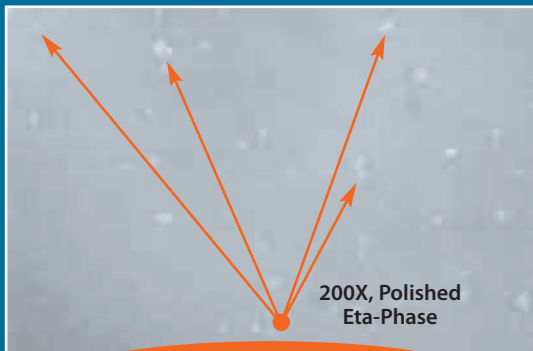


Innovative Carbide's Unique No Wax Manufacturing Process

Exclusive No Wax Process

Other carbide producers add wax to their product to allow easier machining in the pre-sintered state. Wax acts as a contaminant in tungsten carbide, and if not fully removed it will cause porosity and carbon control problems, leading to chipping and premature failure of the part.

With the no wax process, the chances for production errors that lead to the formation of free carbon, eta-phase and porosity are reduced. The consistency of the material properties such as hardness, TRS and wear resistance will conform to your specifications.



Common material problems found when using a wax binder.



If you require consistent material quality with dependable properties, superior strength and the capability to achieve a high-quality polished finish, you should rely on carbide preforms made with the no wax process.

Not All Carbide Is The Same

The ammunition and defense industries require utmost precision and quality in all of their products. As a vertically integrated company Innovative Carbide controls the manufacturing process from powder to preform, which enables us to deliver more consistent tooling that will enhance your productivity.

We manufacture all of our carbide grades in house adhering to the highest quality standards in the industry.

Additional products we can supply include forging hammers for barrels, heads for master bolts, reamers, molds and many other types of tooling for high wear/impact environments.



Typically the carbide represents just a fraction of the total cost of the die or tooling assembly, even though it does the most work. Sourcing quality carbide is the most cost-effective way to increase the life of your die assemblies, which saves you money and reduces machine downtime.



Extends The Life Of Your Wear Parts And Minimizes Downtime.

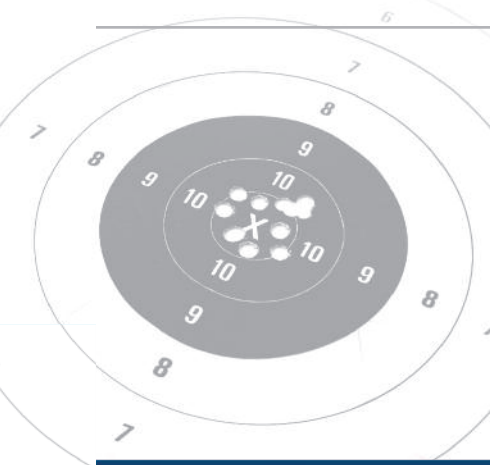
Serving The Unique Needs of Ammunition Manufacturers.

Being a part of a dynamic industry that is constantly evolving, you need a manufacturing team that has decades of experience in preparing for and adapting to change.

Innovative Carbide has the manufacturing, engineering and applications experience to strategically partner with our customers to determine the right material, process and product design to improve productivity. By partnering with our customers, we can collaborate on ways to provide innovative solutions for the industry's toughest manufacturing challenges.

Grades That Exceed Your Requirements – Since we control the entire manufacturing process in-house, we provide the highest quality grades that are designed for the most aggressive applications that the ammunition industry requires.

Material Consistency – Through our proprietary “no wax process”, our carbide is able to hold a superior high polish and deliver consistent performance you can count on.



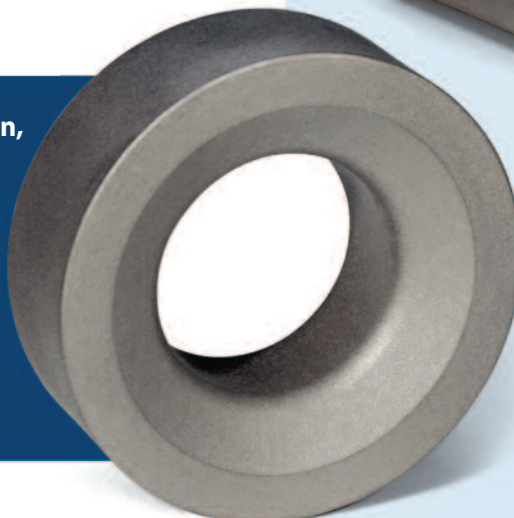
Your customers demand accuracy and repeatability. So should you.

Offering low and high-volume part production, prototype work, large parts and complex shapes, Innovative Carbide can help you find cost-effective solutions to your most demanding wear applications. When you need consistent, high performance parts, turn to Innovative Carbide.



Conflict Mineral Free

Innovative Carbide fully complies with the Conflict Mineral provision of the Dodd-Frank Act.



Since 1988, Innovative Carbide
Has Been Setting The Standard in
Carbide Preforms.



11040 Parker Drive

Irwin, Pennsylvania 15642

412-751-6900

1-800-544-4338

FAX 412-751-4824

sales@innovativecarbide.com

www.innovativecarbide.com

