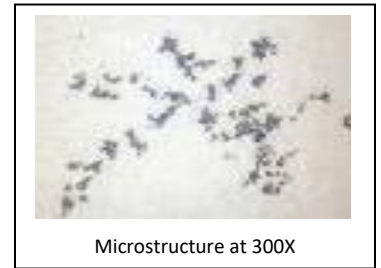




Matrix-B™ Boron-Infused Tungsten Carbide

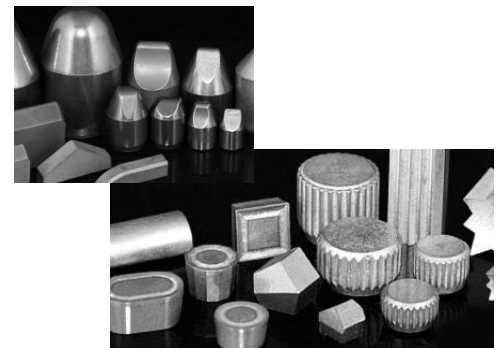
American National Carbide introduces Matrix-B™, a revolutionary method for enriching tungsten carbide with boron

With conventional carbide grades, there has long been a trade-off between toughness and hardness for a given binder content and material grain size. In the proprietary Matrix-B™ process, boron is infused throughout the body of a tungsten carbide part, imparting toughness without losing hardness, and significantly improving other operating qualities, including corrosion resistance.



Matrix-B™ grades perform better than conventional carbide grades and competitive boron-treated material, where the surface benefit was eventually lost during operation. With the Matrix-B™ process, the infused boron runs throughout the product, rather than just on the surface, creating a tougher product without sacrificing other critical metallurgical characteristics.

- ✓ Increased toughness without losing hardness
- ✓ Increased corrosion resistance
- ✓ Increased wear resistance
- ✓ Increased impact resistance
- ✓ Boron throughout product - not just surface
- ✓ Available in all standard ground-engaging products



Matrix-B™ products provide superior performance in cutting and wear applications for all varieties of downhole drilling and fishing products, and cutting and wear surfaces on tools, attachments and implements in the mining, construction, wood processing, and agricultural industries. Available in all of ANC's standard rock drilling and ground-engaging products.

Matrix-B™ Products are Tough to the Core™



American National Carbide
Innovation. Performance. Value.

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