If you’re looking for the unmatched durability that Titanium DiBoride (TiB2) coatings can provide, there is only one name you need to know…Hardcoating Technologies.

Our Titanium DiBoride (TiB2) coating provides superior protection for your most challenging needs:

- Microhardness: 4000 HV
- Coefficient of Friction: .45
- Oxidation Temperature: 850°C – 1562°F
- Thickness: 1 – 2 Microns (based on tool diameter)

Recommended for applications in:

- Silicon Aluminum Alloys
- Titanium Alloys
- Magnesium Alloys
- Copper Alloys

Features and Benefits:

- Low affinity for aluminum
- Improve chip control
- Reduces built up edge
- Excellent wear resistance
Hardcoating Technologies produces high performance PVD (physical vapor deposition) coatings for cutting tools, punches, forming tools and mold components. Today’s leading companies use PVD coatings to achieve dramatic gains in productivity.

Our proprietary coating recipes use multi-layer and graded coating techniques to produce low stress, high toughness coatings. You can expect increased surface hardness and heat resistance, as well as a reduction in built-up edge, galling and fracture.

We specialize in quick turnaround times and batch-to-batch consistency. Our state-of-the-art facility utilizes the latest advances in computerized process control and our custom precision cleaning equipment assures consistent adherence and performance.

If you’re looking for a quality source for Titanium DiBoride (TiB₂) coatings, call Hardcoating Technologies today.

We also offer a range of other high-quality PVD coatings, including Titanium Nitride (TiN), Titanium Carbonitride (TiCN), and Aluminum Titanium Nitride (AlTiN). Call (330) 686-2136 or visit www.hardcoatingtech.com for more information!