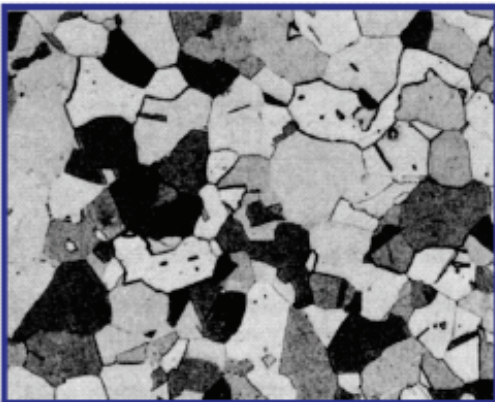


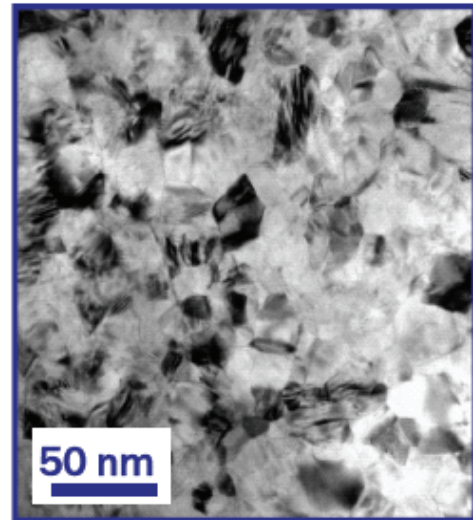
TM XPROTECT is a hard coating with a low coefficient of friction needed in applications that have high wear. XPROTECT hard metal alloy has lubricating properties that in some applications can eliminate the requirements for additional release sprays, lubricating oil, and grease. XPROTECT can be applied to all ferrous metal & most non-ferrous metals. The coating is also anti-galling. As coated the hardness is 500 to 750 Vickers and after heat-treatment hardness up to 1100 Vickers. XPROTECT has performed 30% better in Taber wear testing compared to conventional hard chrome. This deposit is corrosion resistant, bright, scratch resistant, and is environmentally friendly.

Traditional Metals



0.1 mm =
100,000 nm

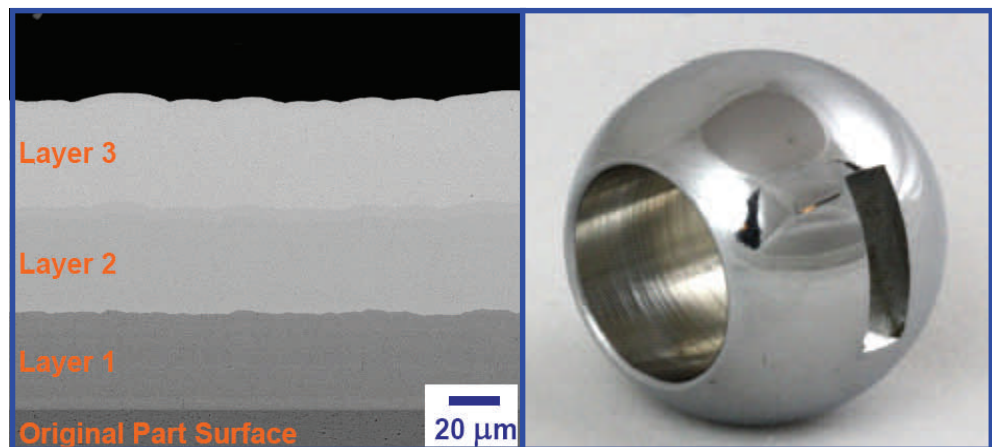
TM XPROTECT



50 nm

The crystal size and structure strongly influence material properties: Wear, Corrosion Resistance & Appearance.

- Selected properties can be maximized at different points in coating creation.
- This allows superior composite performance is achieved



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