



The Cutting Edge Måstered





Mastercut Premier Coating Options

With Mastercut's advanced coating technologies, your tool life will increase up to 10 times. Experience improved finishes with increased speed and feed rates by 30-200%. Mastercut offers a full range of coatings, see below. Call for a quote today!



PowerT (Titanium Nitride, TiN)

Color: Gold

Vickers Hardness: approximately 2,300 Vickers General purpose, entry level over uncoated carbide



PowerC (Titanium Carbon Nitride, TiCN)

Color: ranges from slight violet to brown-gray

Vickers Hardness: approximately 3,000 Vickers

Used on ferrous, non-ferrous and non-magnetic stainless steel

Good abrasion resistance, low heat resistance, for applications requiring low RPMs and high thrust



PowerA (Aluminum Titanium Nitride, AlTiN)

Color: Dark Gray

Vickers Hardness: approximately 3,600 Vickers

Nickel Alloys, Stainless Steel, Hardened Steels, Tool Steels, Cast Iron

An excellent broad spectrum grade. May be run in dry or minimum quantity lubrication applications, where heat can be a problem. Also handles light chip loads very well



PowerZ (Zirconium Nitride, ZrN)

Color: dull Gold

Vickers Hardness: approximately 2,800 Vickers

Outstanding on aluminum, including high silica aluminum. Can also be used on cast iron, stainless steels, titanium



PowerN (nACo) nano-composite (nc-AlTiN)/(a-Si³N⁴)

Color: Varying hues of blue and red

Vickers Hardness: approximately 4,500 Vickers

Outstanding performance in superalloys, hard material machining, and high heat applications.



PowerNR (nACRo) nano-composite (nc-AICrN/a-Si³N⁴)

Color: gray

Vickers Hardness: 4,000 Vickers

Outstanding in high heat applications, better resistance to shock and chipping than nACo, for tough, aggressive cutting applications.



PowerDLC (Diamond Like Carbon)

Color: variable gray to black

Vickers Hardness: approximately 4,000 Vickers

Non-ferrous metals, high silicone aluminum, copper, plastic, graphite, fiberglass or reinforced plastics Can be applied to any carbide substrate



PowerRD (Real Diamond)

Color: variable gray to black

Vickers Hardness: approximately 8,000 Vickers

Non-ferrous, metals, aluminum, graphite, green ceramics, and composites

Requires 6% cobalt carbide for application







Main Office
965 Harbor Lake Dr.
Safety Harbor, Florida 34695 USA
Tel: 001 . 727 . 726 . 5336
Fax: 001 . 727 . 725 . 2532
Email: sales@mastercuttool.com
Web: www.mastercuttool.com

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