

# MasterCut

Tool Corp.



**World Class Manufacturer of Rotary Cutting Tools**

## Endmills

- Square End
- Ball End
- Corner Radius
- Double End
- Drill Mill
- Mini Mills



## Burs

- Full Line of Shapes and Cut Types
- Special Purpose and Custom Burs Available



- High performance design for aggressive aluminium milling
- Incorporates a high shear, high rake geometry
- 2 and 3 flute, square end, corner radius and ball end styles
- Chipbreaker option where chip control or spindle horsepower is a concern



The variable flute design interrupts harmonic vibrations to provide improved feeds and speeds, superior finishes and longer tool life. Ideal for roughing to finishing operations, in both peripheral and slotting functions.





# Carbide Drills

- Jobber Drills
- Stub Drills
- Straight Flute Drills
- Spade Drills
- Spotting Drills
- Drill and Countersinks
- Multiple Flute Countersinks
- Chamfer Tools



**HURRICANE**  
Drills



- High performance drill with a common shank.
- Coolant Through and Solid (Non-Coolant) styles available.
- 3XD, 5XD, 8XD
- Uncoated and PowerA coating available.
- Now also available in PowerNR coating.

## Mastercut Power Coatings



### PowerT (Titanium Nitride, TiN) (append -2)\*

Color: Gold  
Vickers Hardness: Approximately 2,300 Vickers  
General purpose, entry level over uncoated carbide



### PowerC (Titanium Carbon Nitride, TiCN) (append -3)\*

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) (append -1)\*

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) (append -4)\*

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-Si<sup>3</sup>N<sup>4</sup>) (append -5)\*

Color: varying shades of blue-gray; blue-based color dissipates immediately upon use.  
Vickers Hardness: approximately 4,500 Vickers  
Outstanding performance in superalloys, hard material machining, high heat applications and best when used with very rigid setup.



### PowerNR (nACRo) nano-composite (nc-AlCrN/a-Si<sup>3</sup>N<sup>4</sup>)(append -8)\*

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.

\* *append -# indicates that this coating is applied to uncoated tool part number*



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