Ultra

- V4 Ultra
- V5 Ultra
- HY5 Ultra
- F45 Ultra

Nanocomposite coated
Ultra Performance Endmills
• **V4 Ultra**
Our proven variable helix 4 flute endmills are designed to interrupt chatter-creating harmonics, leading you to exceptional performance gains in longevity, throughput and finishes, in a wide range of applications. Now, our V4 is boosted with the recent addition of PowerN (nACo) and PowerNR (nACRo) to set yet higher performance standards.

• **V5 Ultra**
The extra flute, a thicker core and an eccentrically-ground relief, paired with variable helix geometry, makes this tool a proven finisher. Add PowerN (nACo) and PowerNR (nACRo) and watch profits soar.

• **HY5 Ultra**
Destined to be your “go to” performance tool for stainless steels and more. Incorporating nanocomposite options of either PowerN (nACo) or PowerNR (nACRo) with a super stiff core and generous fluting, this tool is in its own class as a rougher/finisher. Guaranteed to improve your bottom line!

• **F45 Ultra**
Answering the call for finishing titanium and other exotics, pair PowerN (nACo) or PowerNR (nACRo) with our F45, and the result is an amazing 6 FL finisher employing a soft-cutting 45°, eccentrically-ground helix.

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**Tool Life Comparison in Inconel 718**

![Bar chart showing tool life comparison in Inconel 718](chart.png)

Conditions: 
- q = 10 mm
- a = 2.5 mm
- v = 25 m/min
- f = 0.025 mm

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