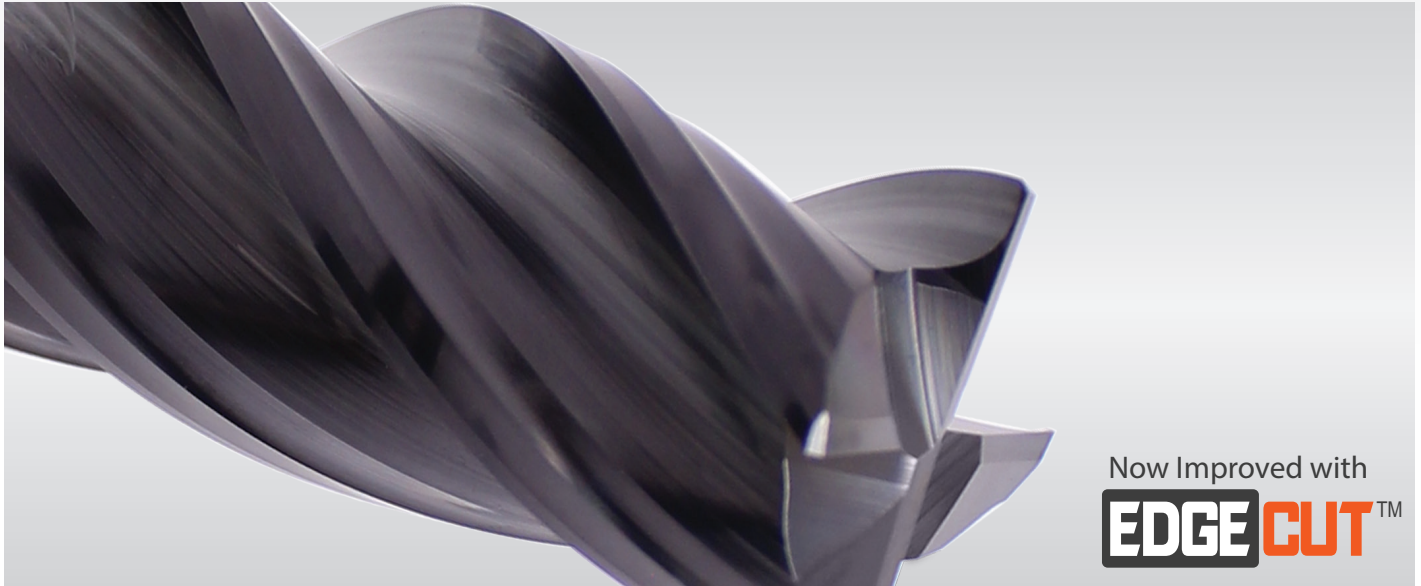




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ENDMILLS

HIGH-PERFORMANCE MILLING

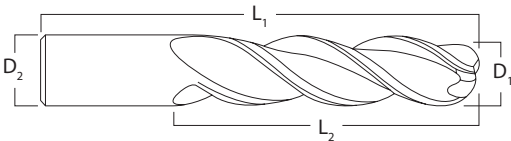


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4 Flute - Variable Endmill, Primary & Secondary High-Performance Milling

The 451 Series is engineered for improved chip evacuation and maximum metal removal rates. Its design consists of primary and secondary relief angles, standard chamfer and a variable flute. The 451 Series is ideal for increased metal removal rates and minimal chatter.



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Corner radii (Available upon request)
- 2. **4 Flute Variable**
Left-hand (Available upon request)
- 3. **Primary & Secondary**
Provides sharper cutting edge
- 4. **Varianta® Supral Coating**
For wet or dry machining operations of steels
- 5. **Extended Neck**
Available for deep-pocket applications

CARBIDE
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4
Flutes

Varianta®
Supral

Varianta® Supral provides higher cutting speeds and excellent wear resistance.



Benefits:

- Increased metal removal rates
- Increased depth-of-cut
- Improved accuracy
- Chatter-free machining
- Higher speeds & feeds
- Superior surface finish on the part

Applications:

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- ...and their alloys

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