

Machining

Introducing the KOR™ 5: The King of Roughing

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Secure, strong, and extremely fast, the KOR 5 from Kennametal takes aluminum roughing for aerospace to an entirely new level.

Kennametal announced its latest innovation in high-velocity aluminum roughing, the **KOR™ 5** solid carbide end mill. Designed for maximum productivity in aerospace machining, this five-flute end mill increases table feed rates up to 66 percent compared to commonly used three-flute tools—redefining productivity for aircraft manufacturers and their suppliers.



With chip splitters, coolant through the tool, a tapered core, and an innovative flute design, the KOR 5 is poised to change the face of aluminum machining.

KOR 5 is aimed at removing large amounts of metal and getting it away from the work zone as quickly as possible:

Tapered core, variable pitch design, and 35° helix – eliminates chatter and tool deflection

Coolant through the tool – flushes chips away while reducing heat.

Unique chip splitter pattern –designed to break up long chips, eliminating re-cutting, but still contributes to high surface qualities.

The tool has the potential to become the new standard for machines utilizing CAD/CAM tool paths. KOR 5 has more active contact points versus a 2-fluted or 3-fluted end mill because it is a 5-fluted end mill, which creates improved stability and eliminates chatter on even the heaviest cuts. Applying the tool with low radial engagement, but high depth of cut, results in much higher metal removal rates than traditional methods.



KOR 5, the King of Roughing, is available with Safe-Lock™ shanks.

And to assure predictable, no pull-out performance at maximum feed rates, the KOR 5 is available with Safe-Lock™ shanks.

“Slotting, deep pocketing, dynamic milling—whatever your aluminum application, KOR 5 can do it faster,” said Thilo Mueller, Manager for Solid Carbide End Milling.

Go to [MSCDirect.com](https://www.mscdirect.com) to view the complete line of the new KOR 5 end mill from Kennametal.

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