

Innovate

VIDEO: KOR™ Series End Mills—Dynamic Milling Vs. Conventional Milling

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Video Highlights

KOR™5DA

Made for high velocity in ALUMINUM, using high agile 5-axis machine centers and applying latest dynamic milling technologies by fully utilizing the CAD/CAM chain.

- Additional cutting edges versus the typical 2 and 3 flute tools for aluminum.
- Chip breakers added for better chip management, to avoid re-cutting chips in pockets and tight cutting areas and also to help eliminate issues with the chip conveyor.
- Patented flute form for better chip room and to allow coolant to flow in the flute better.
- Internal coolant to flush chips away from the cutting zone.

KOR™5DS

Made for high velocity with focus on STEEL & STAINLESS, using high agile 5-axis machine centers and applying latest dynamic milling technologies by fully utilizing the CAD/CAM chain.

- Chip deformers added for better chip management, to avoid re-cutting chips in pockets and tight cutting areas and also to help eliminate issues with the chip conveyor.
- Chip deformer provides excellent surface finish.
- Patented flute form for better chip room and maximum tool stability.
- Proprietary end face design; highly efficient helical interpolation and overall cutter strength.
- Now available in 3xD and 5xD in inch and metric.

KOR™6DT

Made for high velocity with focus on TITANIUM and other ISO-S materials, using high agile 5-axis machine centers and applying latest dynamic milling technologies by fully utilizing the CAD/CAM chain.

- Chip splitters added for better chip management, to avoid re-cutting chips in pockets and tight cutting areas and also to help eliminate issues with the chip conveyor.
- Eccentric relief for improved edge stability in titanium machining.
- Patented flute form for better chip room and maximum tool stability.
- Proprietary core design for maximum tool stability.
- Utilizes HARVI III aerospace design
- Now available in 3xD and 5xD in inch and metric.

Kennametal's KOR series end mills for high-velocity milling applications ensure exceptionally high metal removal rates in aluminum, steel, stainless steels, titanium and other ISO-S materials. They are designed for dynamic milling with low radial engagement and full length-of-cut maximizing capabilities of 5-axis machines, using CAM tool path generation software.

Previously Featured on Kennametal's YouTube channel.

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