



Innovate

# Kennametal Introduces: Beyond™ Evolution™

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## What You Need to Know

Your Day Made EASY - Kennametal's new tool solution is built on simplicity.

Productivity made EASY - Active Coolant Control.

Smooth surface finish made EASY - Triple-V Seating.

Saving money made EASY - Up to 30% higher productivity.

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## **Your Day Made EASY**

Choosing the right tooling can be complicated and time consuming. Built on simplicity, Kennametal has engineered a new tool that makes every machine operator's life EASY. Unwilling to sacrifice performance or applications, Kennametal introduces Beyond™ Evolution™. Beyond Evolution is the new single-side grooving and cut-off tool that also performs multi directional turning.

## **Productivity made EASY - Active Coolant Control**

If your coolant delivery is typical to the market, you may be applying more heat to the cutting edge than you think. This reduces tool life and increases cycle time. With Beyond Evolution, you won't have to change your existing equipment. Whether you are using a high pressure or low pressure coolant

supply, Beyond Evolution, featuring Active Coolant Control, delivers more tool life or higher metal removal rates. Fan effect directs coolant across the top of the insert precisely to the cutting zone underneath the chip and controls temperature. Chip breaking effect improves chip control in all grooving, cut-off, and multi-directional turning applications.

### **Smooth surface finish made EASY - Triple-V Seating**

**Problem:** Traditional single-sided grooving and cut-off systems cannot deliver smooth surface finish due to lack of stability.

**Solution:** Beyond Evolution's propriety new Triple-V Seating feature provides functional stability and minimizes vibration.

Three contact surfaces provide unmatched stability: When combined with GUP and CF chipbreakers, Triple-V Seating provides excellent surface finish. Top and bottom-V provide precise and secure insert positioning for increased rigidity and dimensional accuracy while V-back design allows unsurpassed grooving, cut-off, and multi-directional turning load stability.

### **Saving money made EASY**

Beyond Evolution featuring: Active Coolant Control, Triple-V Seating, and Beyond Drive grades with Wear Detection Technology, provide longer tool life, maximum stability, and higher metal removal rates. This all results in up to 30% higher productivity.

Please visit [MSCDirect.com](https://www.mscdirect.com) for the full selection of ***Beyond Evolution*** products.

## **Key Takeaways**

- Beyond Evolution is the new single-side grooving and cut-off tool that also performs multi directional turning.
- Active Coolant Control, delivers more tool life or higher metal removal rates.
- Triple-V Seating feature provides functional stability and minimizes vibration.
- Innovation in Beyond Evolution tools can result in up to 30% higher productivity.