



beyond™

More than just the right tool — the ultimate solution.

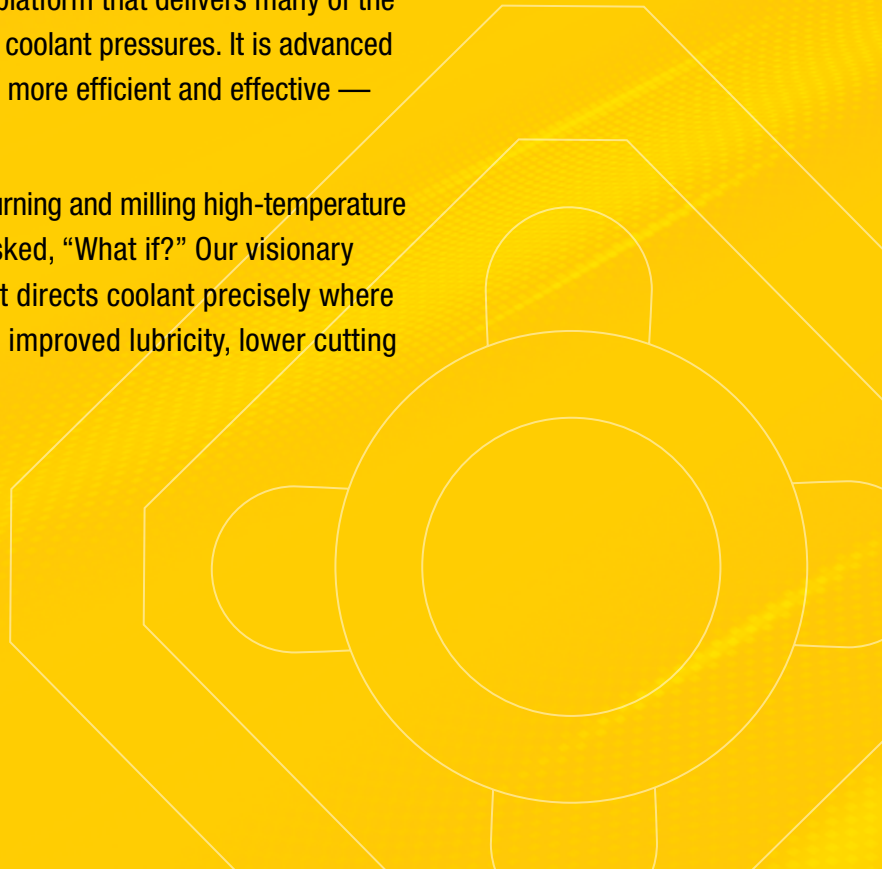
That's Beyond BLAST.™  That's **Different Thinking.**

 **KENAMETAL®**

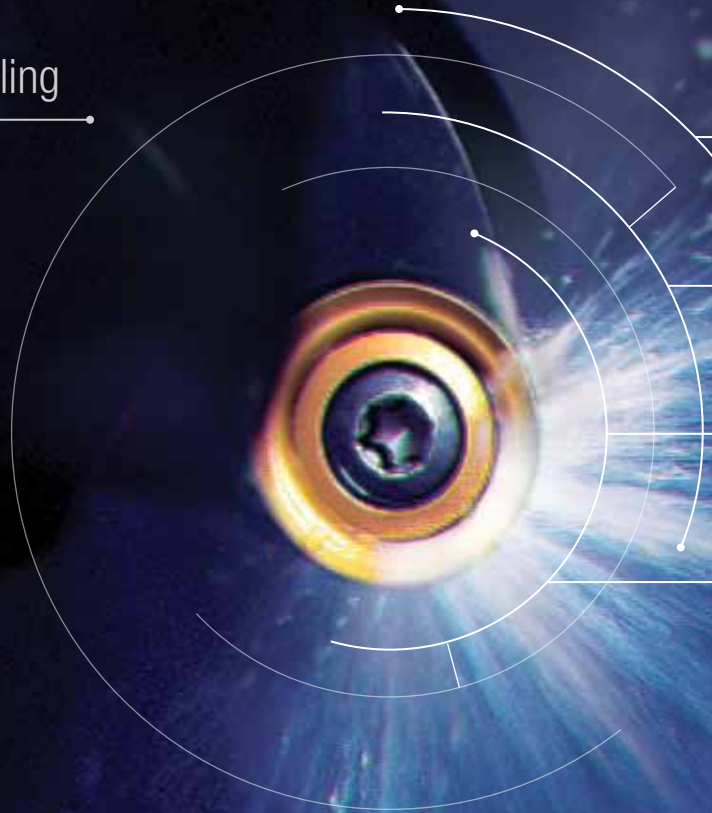
We didn't just improve metalcutting technology. We reinvented it.

Introducing Beyond BLAST,[™] a revolutionary insert platform that delivers many of the benefits of high-pressure systems at conventional coolant pressures. It is advanced coolant-application technology that makes cutting more efficient and effective — while extending tool life.

When we looked at the problems associated with turning and milling high-temperature alloys, we threw out conventional wisdom and asked, “What if?” Our visionary engineers responded with a channeled insert that directs coolant precisely where it's needed — at the cutting edge — resulting in improved lubricity, lower cutting temperatures, and superior chip control.



Milling



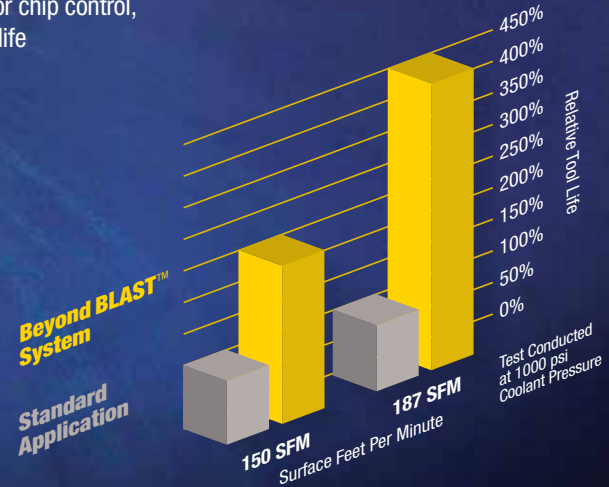
Beyond BLAST™ technology uses low-pressure conditions to offer many of the high-pressure performance benefits

Through-channel coolant, delivered at the cutting edge, results in up to four times the tool life of standard inserts

Delivers superior performance on Titanium and high-temperature alloys, using either high- or low-pressure coolant systems

Effective thermal management results in reduced cutting temperatures, improved lubricity, superior chip control, and longer tool life

Beyond BLAST™ for milling increases tool life by up to 300% compared with conventional coolant delivery systems.



A simple observation; a revolutionary concept.

We took an entirely different approach to machining high-temperature alloys. We determined that the most effective way to deliver coolant would be to channel it through the insert — ensuring that it hits exactly where it does the most good. That means more efficient coolant delivery at a fraction of the cost of high-pressure coolant systems.

By precisely controlling coolant application, Beyond BLAST™ allows you to lower your energy consumption, saving you even more money, and reducing your impact on the environment.

Beyond BLAST™ is the newest addition to the Kennametal Beyond™ platform, our high-performance product line that continues to test and surpass the limits of what cutting tools can do.

A cutting-edge insert that delivers coolant precisely at the cutting edge. Now that's Different Thinking. That's Kennametal.



To learn more about your productivity gains using Beyond BLAST™ technology, call 800.446.7738, or visit www.kennametal.com.

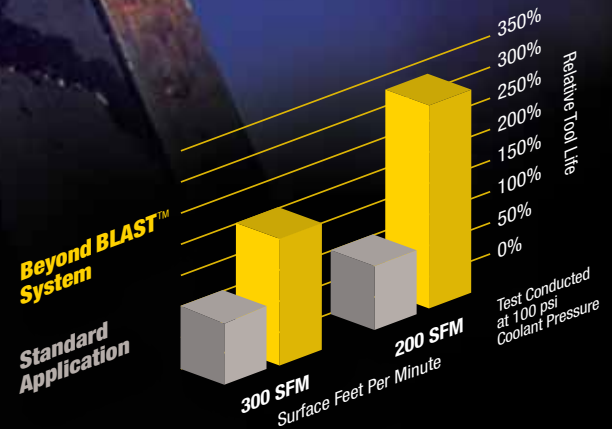
Turning

Beyond BLAST™ delivers coolant directly and precisely to the cutting edge

With effective thermal management, higher speeds and reduced cycle times can be achieved

Delivers many of the benefits of high-pressure systems at low pressure

Beyond BLAST™ for turning increases tool life by up to 200% compared with conventional coolant delivery systems.





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