



## CASE STUDY

# RUGGED TOOTH™ CT Q1002 QSAW TRIPLE CHIP CARBIDE

## THE CHALLENGE

An aerospace manufacturer in Kansas needed a Carbide blade that would hold up on a variety of machines. Most of the work they do is on high nickel alloys, titanium, and other difficult applications. The current carbide blades they had been using tended to strip, causing delay in the production and cost overruns.

They needed a blade that could run on any machine and provide a high production rate with lower tooth damage. They also asked for a very stable blade due to the nature of the parts they're manufacturing and the tolerance expected in that industry.

## OUR SOLUTION

They reached out to us at Sawblade.com and we suggested the Q1002 Carbide Bandsaw Blade, with its state-of-the-art triple chip ground rugged tooth. We knew it would be the most appropriate blade for the tough materials they work with and would

last longer in the shop, avoiding blade damage and downtime.

This blade is engineered to run on all types of machines and has an aggressive triple-chip grind tooth geometry with a positive hook angle for smooth fine-finished cuts and boasts a greater wear and heat resistance than standard bi-metal blades.

We knew from past performances this blade was versatile but more importantly; rugged enough to be used in this type of environment.

This was clearly an upgrade given its Rockwell hardness of 92 (compared to the 67-69 range of standard blades) and explains its superior longevity, making it perfect for cutting difficult-to-machine metals and alloys. The manufacturer was astonished by how resilient the blade was. Despite the high cost associated with carbide tip blades, we were able to provide considerable cost reduction. The blade lasted longer and we achieved an increase in the production process by 12%.

## YOUR ADVANTAGE

With its aggressive, rugged tooth design, material-specific tooth geometries and ultra-high grade carbide tooth, our Q1002 blade provided our client with a consistent solution to their cutting problems.

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## THE WIN

50% less tooth stripping, which in return saved the company several hours per week. This allowed them to fulfill more orders and reduce their backlog. Since these blades run 12% faster than normal bi-metal blades, the company was able to produce more parts per day, substantially lowering the cost per each piece of material cut and reducing labor cost and overhead.

- ✓ Ultra-High Grade Carbide
- ✓ Rugged Tooth Design
- ✓ 50% Less Tooth Stripping
- ✓ 12% Production Process Increase

*We highly recommend the Q1002 for those of you who work on high nickel alloys, titanium, inconel, composites, and other exotic materials.*



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