



CASE STUDY

RUGGED TOOTH CT QSAW 1001 FOUNDRY CARBIDE BLADE

THE CHALLENGE

A regional foundry reached out to Sawblade.com needing a solution for cutting through abrasive, hard-to-machine materials like nickel-based alloys, spring steel, and composite castings. Their current bi-metal blades were dulling quickly, especially when cutting gates and risers—leading to frequent downtime and inconsistent results.

They needed a blade that could handle extreme wear and deliver reliable performance in harsh conditions without sacrificing cut quality or productivity.

OUR SOLUTION

We recommended the Rugged Tooth CT Q® 1001 Qsaw® Foundry Carbide Blade. This blade features micro-grained carbide teeth bonded to a tough, ductile backing. The beveled design with a straight leading edge gives the tooth added strength and wear resistance—ideal for abrasive applications.

Engineered specifically for foundry work, the CT Q1001 excels at cutting through the toughest materials including aluminum castings, spring steel, masonite, and hardened alloys. It is custom-welded to fit a wide range of machines and optimized for aggressive, high-speed cutting.

YOUR ADVANTAGE

What makes the CT Q1001 stand out is its combination of rugged construction and smooth performance. The carbide teeth are precision-ground for long-lasting sharpness, while improved bonding between the carbide and backer metal increases durability.

This blade delivers fast cutting speeds, clean finishes, and superior resistance to shock and fatigue. It performs where traditional bi-metal blades fail, reducing downtime and maximizing cutting output.

THE WIN

Once the foundry switched to the Qsaw CT Q1001, they saw an immediate difference. Blade life nearly doubled, even in highly abrasive conditions. Cutting risers and gates became faster and cleaner, and the team no longer had to replace blades mid-job.

The CT Q1001 allowed them to keep production moving efficiently while maintaining a high surface finish. With less blade breakage and fewer changeouts, they significantly reduced their per-cut cost and increased overall throughput.

If you need a saw blade that can cut abrasive, high-stress materials with speed and consistency, the Rugged Tooth CT Q® 1001 Qsaw® Foundry Carbide Blade is the professional-grade solution you can rely on.



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