

Innovate

VIDEO: Series 51 T Carb: Trochoidal Milling at its Finest

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In a **Case Study** on the Series 51 T-Carb conducted by KYOCERA SGS Precision Tools, an aerospace customer saw a total savings of almost 40%. The goals of this study were to significantly reduce job cost through reduced cycle time, increasing MRR and reducing total machining time. KYOCERA approached this job with a 6 flute T-Carb end mill, which excels at high-speed machining. Specifically, trochoidal and peel milling, the T-Carb's 6 flute design with eccentric relief provides strength and supreme chip control at high speeds, and with surprising finish results.

The T-Carb was able to capacitate significantly higher speed and feed rates. Thus, the material removal rates for the T-Carb were almost double the MRR of the competitor's tool. The total machining hours were almost cut in half, reducing the total machining cost by over \$36,000. Download a PDF of the Case Study [*here*](#) to learn more.

Watch the Series 51 T-Carb in action in the short video above (*music and captions only, no transcript*).

Previously Featured on KYOCERA's YouTube channel.

You can find the Series 51 T-Carb corner radius end mill or the square end mill on [MSCDirect.com](https://www.mscdirect.com).