

# Fracture Reducing Router Design

## Series 2350 Routers

Kyocera Tycom Corporation October, 2009

Kyocera Tycom Corporation announces the product release of the **Series 2350** Fracture Reducing router design. Driving down the costs in drill and fab operations has been the value proposition of Kyocera Tycom since its founding in 1987. Continuing to provide value, Kyocera Tycom introduces a new router design that reduces edge fracturing in many applications when compared to standard diamond cut and chipbreaker cutters. The new tool design combines the advantages provided by end mills for edge quality and the chipbreaker router for debris evacuation.

KTC offers the specialty router in several diameters. The product line and part numbers are:

Diameter	Flute Length	Kyocera Tycom Part Number
0.0315" (0.80 mm)	0.177" (4.50 mm)	2350.0315.177D
0.0492" (1.20 mm)	0.197" (5.00 mm)	2350.0492.197D
0.0630" (1.60 mm)	0.256" (6.50 mm)	2350.0630.256D
0.0787" (2.00 mm)	0.276" (7.00 mm)	2350.0787.276D
0.0945" (2.40 mm)	0.315" (8.00 mm)	2350.0945.315D

Lab and beta site tests were conducted to ensure the product performed at an improved level that is both reliable and repeatable. Example results are provided below.

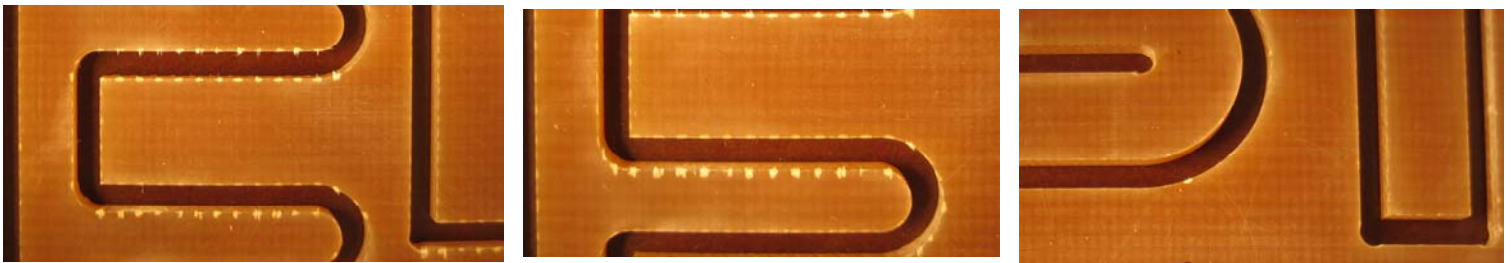
**Material: Polyimide**

Thickness: 0.063"  
 Stack: 1 high  
 Diameter: 1.60mm

**Standard Chipbreaker**

**Standard Diamond Cut**

**New 2350 Series**



Users of the new Series 2350 routers report 70% to 94% reduced fracturing when comparing to other router designs. Please contact a KTC field engineer for process assistance.