

A new customer approached us to produce precision parts for microwave antennas. They had received parts manufactured using traditional methods, resulting in quality issues and they were looking for a viable alternative. Two processes were attempted however both processes resulted in rejections.

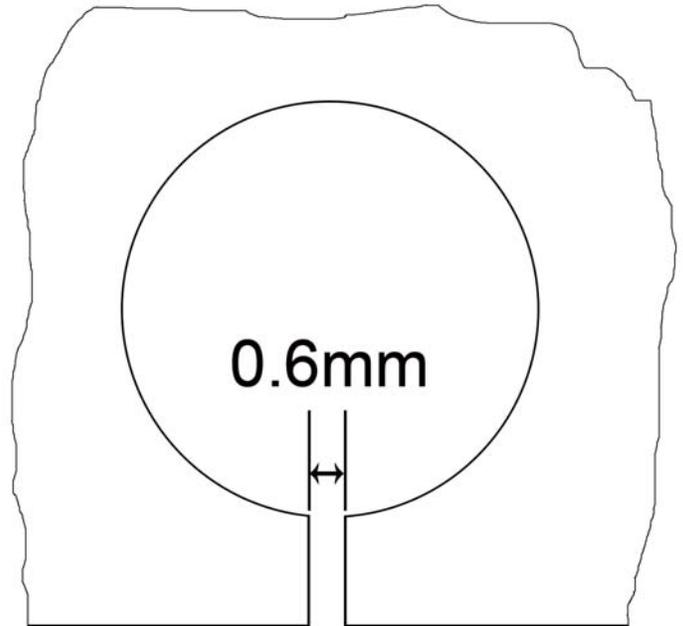
- The critical area of this aluminum part is the thin kerf cut leading into a round feature.
- The width of the kerf cut is 0.6 mm (0.0236”).
- Material thickness was 2.5mm (0.1”).

The project was time critical since both conventional methods had failed. The material acquisition and manufacturing processes for this project were expedited and parts were delivered per their requirements.

*“We actually also used laser cutting and conventional waterjet.” Stated our customer. “Laser cutting did not get a nice sharp clean cut along the edges and waterjet just couldn’t get the accuracy we need for the slot width.”*

- Fed up with suppliers not meeting your expectations?
- Having trouble finding a method to manufacture your complicated part?
- Worried about the cut quality of conventional cutting methods?
- Struggling to find a method of prototyping using a ‘cold’ manufacturing process?

## SCIENTIFIC RESEARCH



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