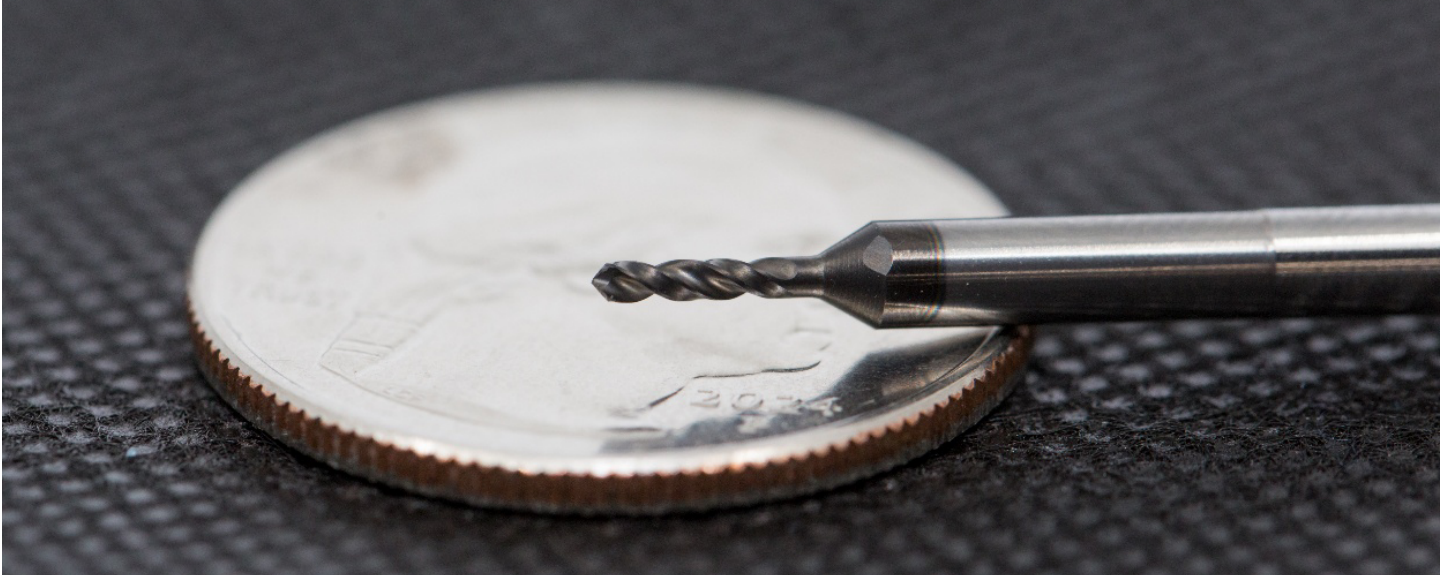


# Solid Carbide Micro Acoustic Drills

Precision Diamond Coated Drilling Solutions for Aerospace Composites



## Engineered for Excellence in Aerospace Manufacturing

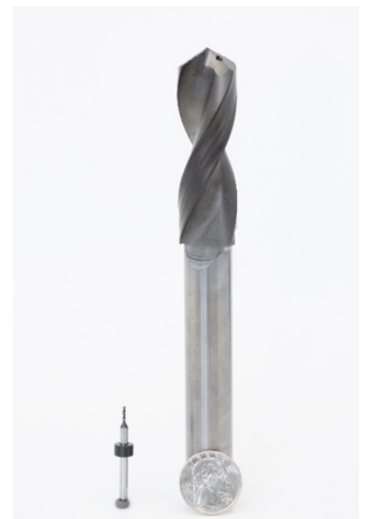
- Sharon-Cutwell's micro acoustic "Perf" drills are purpose-built for the demanding requirements of airplane engine nacelle cowlings and many other aero structure applications.
- Manufactured with our **patented Wave-Point® drill geometry & CVD diamond coating**, these drills deliver exceptional tool life, accuracy, and consistency—setting a new benchmark in the industry.

## Your Competitive Advantage Through Performance

Major airplane manufacturers rely on Cutwell drills to maintain efficiency and precision in composite machining. With proven results in CFRP (Carbon Fiber Reinforced Polymer) and CF/Metallic stack materials, our tools consistently deliver some of the **longest tool life in the industry**. When it comes to drilling advanced composites, compromise is not an option.

### Cutwell's micro-CVD drills provide:

- Reduced downtime from fewer tool changes
- Lower cost per hole through unmatched durability
- Confidence in meeting aerospace quality standards and tolerances



# Case Study: OEM Nacelle Drilling

Saving Time and Money in Aerospace Manufacturing



## Using the Cutwell Micro Acoustic Drilling Solution

A large manufacturer was able to significantly decrease manufacturing time and reduce costs.

### Industry-Leading Speeds & Feeds

- Tools currently run at **40,000 RPM** with feed rates exceeding **60 IPM** in OEM drilling applications.

### Extended Tool Life & Reduced Cost

- Achieving **45,000 holes per drill**, significantly reducing tooling costs-per-hole & downtime.

### Cutwell Engineering Expertise & Support

- Custom-designed tools are tailored to the application by the Cutwell Engineering & Design Team.
- Ongoing technical support with direct, responsive access to engineers for fast and effective problem resolution.

