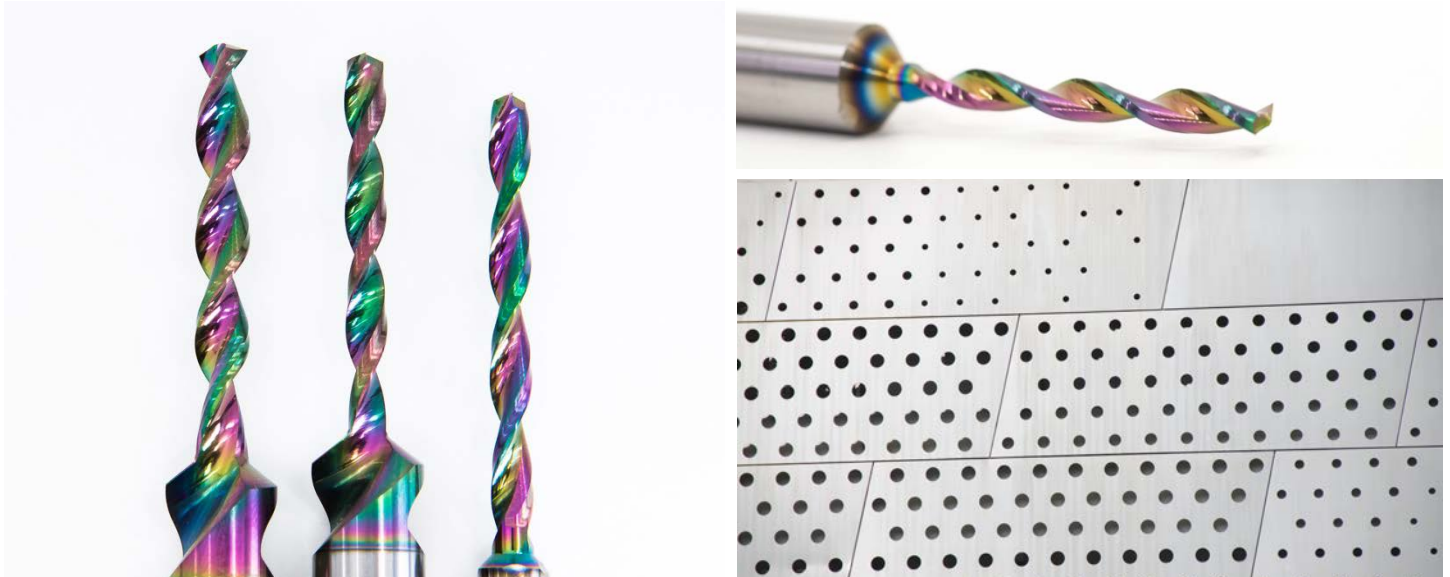


Dry & MQL Non-Ferrous Cutting Tools

Introducing our Spectra™ Series of solid carbide drills, reamers and mills

Optimized geometry and coatings for machining of aluminum and copper alloys



Case Study I: Defense Aircraft Drilling through 1.750" + AL, Dry

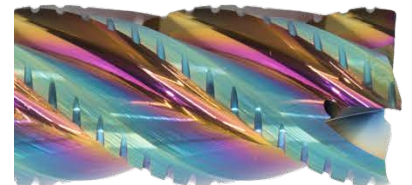
- Utilizing Cutwell's unique geometries and the latest ta-C carbon coatings, led to a major decrease in material build up & increased tool life.
- Combining these technologies enabled drilling 2000 Series aluminum completely dry! Example: Ø0.191" hole x 1.75" deep—Dry!

Case Study II: Milling Automotive Transmission Case with Major Buildup Issues

- Multiple geometries were tested to compare material build up and performance.
- Tested multiple Hard Carbon and PVD coatings, to determine the coating with the best lubricity and potential tool life.
- Cutwell Engineering provides custom tool design, testing, and onsite performance support as needed. Let us offer you the best tool possible for your application.



Old Endmill with Build Up



Cutwell Spectra™ Series Endmill