

# Cutting and Folding Machine

This machine is designed for cutting and folding sheet metal. It is used in various industries for creating precise bends and cuts in metal sheets.



## Product Overview

### Electroplated Diamond Tooling

These electroplated diamond drill bits and reaming shells are manufactured using a specialized low-temperature process that prevents thermal damage to the diamonds. This ensures that the original performance characteristics of the diamonds are maintained while providing a highly stable matrix. Designed for reliability, these tools are an excellent choice for engineering reconnaissance, grouting, and grinding applications in complete rock formations and concrete.

## Technical Advantages

### Key Performance Benefits

- Low-temperature manufacturing prevents thermal damage to diamonds
- Maintains original diamond performance
- Stable matrix for consistent reliability
- Superior performance in hard and very hard rock compared to hot-pressed alternatives
- Reduces drilling resistance and increases drilling speed

## Applications

### Primary Applications

Engineering Reconnaissance, Grouting, Grounding Processes, Concrete Drilling, Rock Drilling

## Technical Comparison

### Technology Comparison

Feature	Electroplated Tools	PCD Hot Press Sintering
Manufacturing Temp	Low Temperature	High Temperature
Diamond Integrity	Preserved	Risk of thermal damage
Hard Rock Performance	High (Monocrystal breakage)	Standard