

Clean Cut90 Tubing Cutter Blade Material - Tech Information

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Overview

The Clean Cut90 Tubing Cutter is designed for producing precise, burr-free cuts on laboratory tubing materials such as PEEK, fluoropolymers, and soft metals.

The blade is a critical component of the cutter, engineered to provide a balance of sharpness, durability, and safety for routine laboratory use. [Clean Cut90 Tubing Cutter Replacement Blade](#)

Blade Material Composition

High-Carbon Standard Steel

- The cutting blade is manufactured from high-carbon standard steel, chosen for its blend of:
 - Hardness
 - Edge retention
 - Cost-effectiveness
 - Suitability for precision polymer and soft-metal cutting

Not a Specialty Alloy

- The blade does **not** use coatings or specialty materials such as:
 - Tungsten carbide
 - Ceramic
 - Hard coatings like TiN or DLC

This material selection ensures consistent performance while keeping replacement costs low.

Protective Blade Wrapping

Each Blade Is Individually Wrapped in Tin Foil

This protective packaging serves two important purposes:

- **Corrosion prevention**
 - Tin foil acts as a moisture barrier to reduce rust and oxidation during storage or non-use.
 - **Safe handling**
 - Prevents accidental cuts when unpacking or installing the blade.
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Blade Performance Characteristics

Optimized for Laboratory Tubing

- Produces clean, accurate cuts
- Minimizes burr formation
- Performs well on:
 - PEEK tubing
 - Fluoropolymer tubing
 - Soft-metal laboratory tubing

User Care Recommendations

- Store cutter and spare blades in a dry location
- Avoid exposing the blade to corrosive chemicals
- Replace the blade at first signs of dullness or corrosion

Replacement blades are readily available and simple to install.

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