

## **NEW TECHNOLOGY!**

# **QUICK RELEASE PTFE GLASS Tubing**

**MAKE THOSE EXPENSIVE HIGH END DEVICES WITH 100% YIELD AND DO IT FASTER THAN CONVENTIONAL COATED MANDRELS!**

- **Lowest thermal mass**
- **Fastest release**
- **Zero risk of contamination.**

Polytetrafluoroethylene, or PTFE, is a highly lubricous polymer with many applications. One important application is in medical devices and components, like stainless steel PTFE-coated hypo-tubes, where it is widely used because of its high biocompatibility and inertness.

Stainless steel PTFE-coated hypo-tubes are small diameter hollow tubes that are common within the medical device industry. While they are an important component of the hypodermic needle – which is where they get their name – they are ideal for the production of EP catheters, guidewire cores, and alternatives to wires in neurology, embolic protection, carotid artery therapy, and more.

Because stainless steel PTFE-coated hypo-tubes can degrade over time, the coating peels off, and have extremely long coating lead times, see our **NEW Quick Release PTFE Glass tubing technology.**



# Quick Release PTFE Glass Tubing vs. PTFE Coated Stainless Steel Hypo-Tubes

## Glass



### Pros:

Consistent from lot to lot

Lowest in the industry

+/- .0001", perfect roundness

Pure PTFE, NO flaking or degrading overuse



### Release Properties:

### Thermal Mass:

### Accuracy from Process:

### Contamination:

## Stainless Steel



### Cons:

Inconsistent, degrades over time & use.

Impacts release time, increases mfg'ing time

Sand-blasted out of roundness, not accurate

Large diameters more likely to peel and flake

## OUR QUICK-RELEASE PTFE GLASS TUBING PROVIDES MANY ADVANTAGES, INCLUDING:

- **Durability and compressive strength**
- **Electrical insulation**
- **Resistant to corrosion and damage**
- **Resistant to high temperatures, up to 500° F**
- **Highly lubricious, making them easier to remove from expensive devices**
- **Consistency and elimination of contamination risk**
- **Can achieve a high-performance ground surface finish**

Some applications require standard stainless steel PTFE-coated hypo-tube sizes, while others require customization. Depending on the use case, medical OEMs may require hypo-tubes to have sharp tips, tapers, or steps. As a preferred supplier of precision medical components to medical OEMs worldwide, Medical Component Specialists' expert grinding

capabilities allow us to create precise quick-release PTFE glass tubing with unsurpassed quality.

With ultra-precision tolerances as tight as +/- .0001", our stainless steel PTFE-coated hypo-tubes are incredibly precise and can be used in most applications.



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