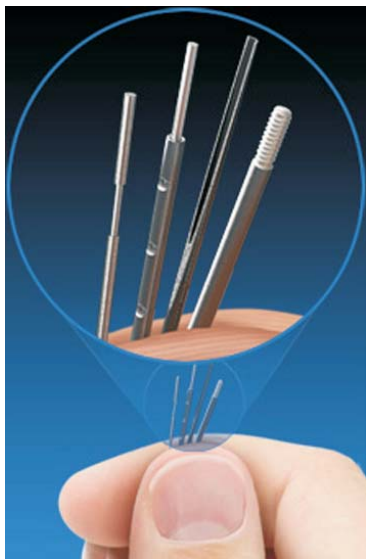


# A World Leader in Wire and Tubing Components for Medical Devices

Extensively utilized in devices for

Cardiology, Neurology, Electrophysiology, Gastroenterology, Peripheral Intervention, Vascular Surgery, Urology, Oncology, and many other applications.



Samples of Precision Ground Wire

## Precision Grinding

Wytech's precision grinding capabilities:

- CAM Grinding
- Profile Grinding
- Step Grinding
- Micro Grinding
- Taper Grinding
- Plunge Grinding
- Flat Grinding

Common Applications:

- PTCA Guidewire Cores
- Neuro Interventional Guidewires
- Bonding Mandrels
- Biopsy Needle Stylets
- Sizing Mandrels
- Stylets
- Plastics Grinding
- Hypotube Skiving

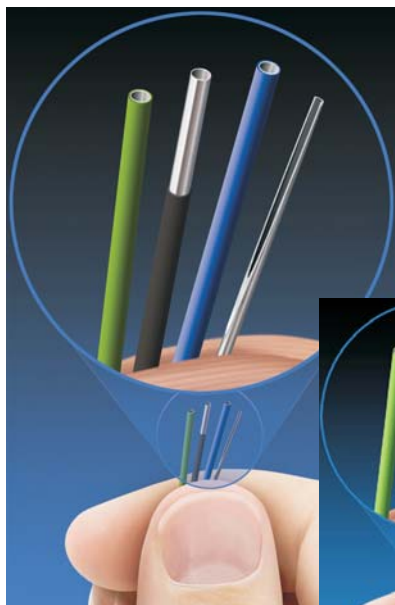
In addition to the standard centerless grinding functions, Wytech offers CAM grinding services. CAM grinding provides a seamless combination of centerless and OD grinding and provides the ability to shape flats, threads, bumps, arcs, hexes, balls, ellipses, and concave or convex radii with diameter tolerances as precise as  $\pm .0001"$  (0.002mm), and linear tolerance as precise as  $\pm .002"$  (0.05mm). The CAM machine also enables Wytech to generate grinds of unlimited length and is especially well suited for grinding Nitinol.



State-of-the-art CAM Grinding Technology offers the best of centerless and OD grinding!

Samples of CAM Ground Wire

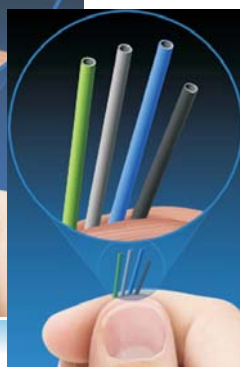
## PTFE Coated Hypotubes



Samples of Hypotube

**Applications:** catheters and delivery systems, such as PTCA Catheter, Corewires for neurology, embolic protection, and carotid artery therapy.

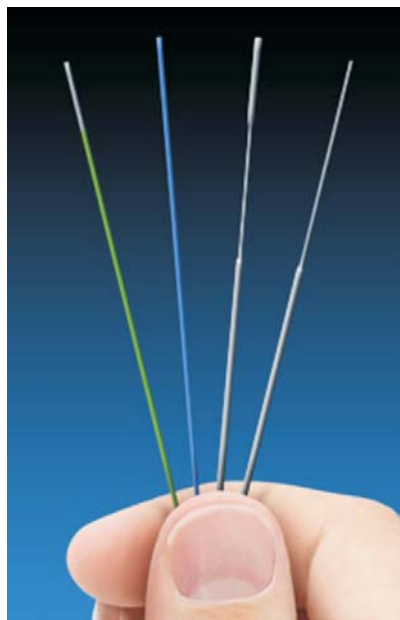
**Services:** • Selective



PTFE Coated Hypotubes

- Coating Removal
- Spiral Cutting
- Skiving
- Square Cuts
- Hypotube Assemblies
- Hydro-flushing

## Corewires



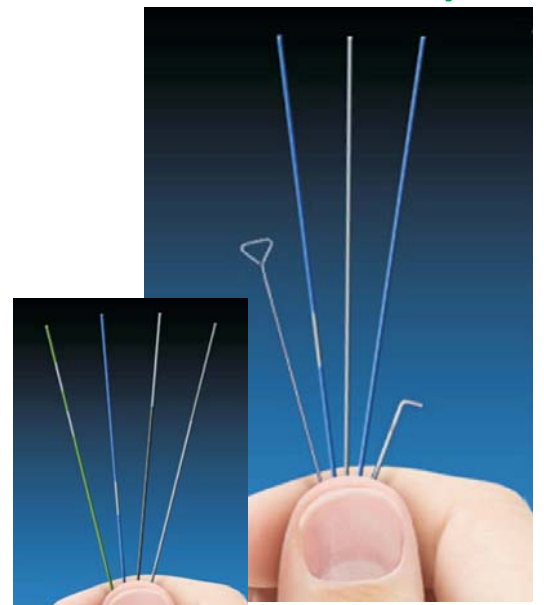
Samples of Corewire

Corewires are available with or without proprietary PTFE coatings.

**Capabilities:**

- Precision Grinding
- Multiple Tapers
- Selective Coating Removal
- Heat Treating

## Mandrels & Stylets



Mandrels and Stylets

PTFE Coated Mandrels

**Mandrel Coatings:**

- Pre-Coated PTFE
- PTFE Spray Coatings
- Parylene Coatings
- Hydrophilic Coatings

**Mandrel Shapes:**

- Straight
- Tapered
- Formed

**Mandrel Products:**

- Packaging
- Forming
- Extrusion
- Sizing
- Bonding



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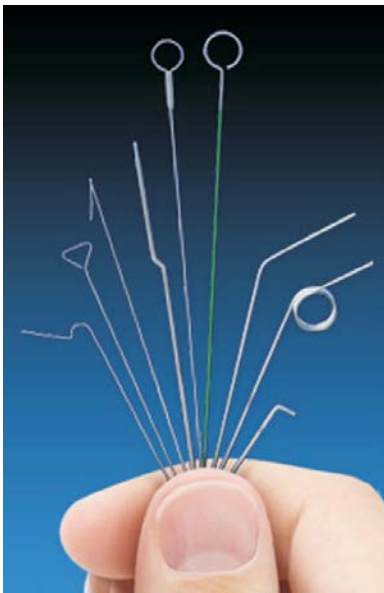
Fax: +86 574 8699 5197

info@hngmedical.com

# A World Leader in Wire and Tubing Components for Medical Devices

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Samples of Wire Form

## Wire Forming

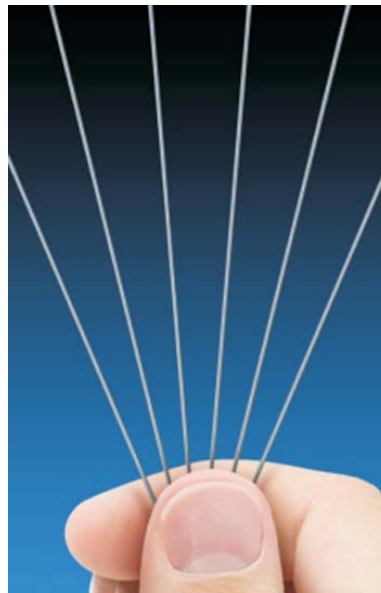
Complex wire forms in a wide variety of alloys. Wire diameters from 0.002" (0.05mm).

### Wire Types:

- Bare Wire
- Coated Wire
- Tubing
- Nitinol Shape Setting

### Applications:

- Packaging Mandrels and Stylets
- Bonding Mandrels
- Forming Mandrels
- Sizing Mandrels
- Stent Coating Hangers
- Pigtail Mandrels



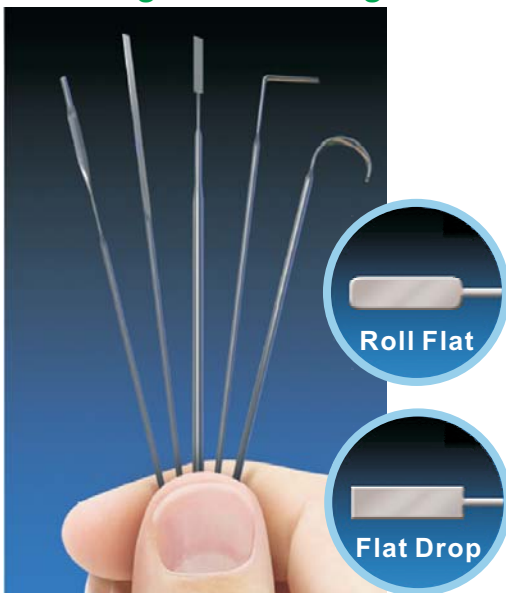
Samples of Straightened Wire

## Straightening & Cutting

Our proprietary, laser guided straightening and cutting processes include:

- **Wytech's Unique E-Z Grind™ Process** has been developed specifically for the most difficult profile grinds.
- Coated and uncoated wire and tubing are available.
- Straighten and cut **Pre-coated PTFE Wire, Tubing and Hypotubing** without adversely affecting the coating.
- Employs no oil or lubricants.
- Provide perfectly straight **Shaped Wire**, such as "D", "C", and Crescent shaped mandrels.

## Pressing & Flattening



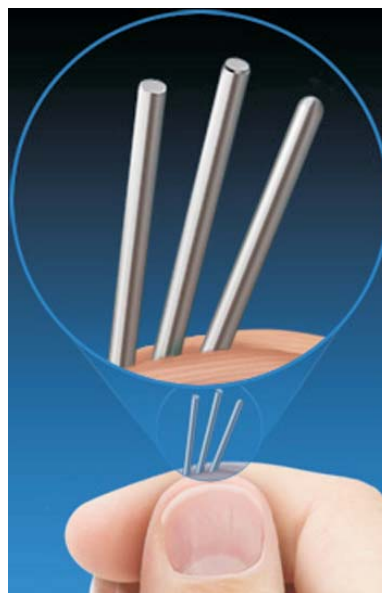
Samples of Pressed and Flattened Wire

Two methods of flattening fine wires: Roll Flat and Flat Drop, as thin as 0.001" (0.025mm). Wytech manufactures its own dies, which generate a wide variety of transitional geometry.

### Applications:

- PTCA Guidewire Core
- Steerable Guidewire Cores
- Forming Mandrels
- Sizing Mandrels
- Packaging Skylets

## End Treatments



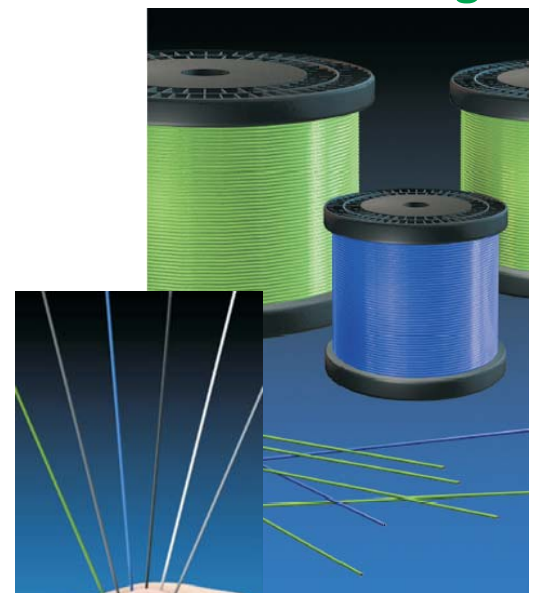
Samples of End Treatment

In order to eliminate burrs and avoid puncture, and to provide for easier insertion, the ends of wires need to be treated by deburring or rounding.

Types of end treatments:

- Standard
- Radius
- Deburr
- Square Cut
- Super Deburr

## PTFE Coatings



PTFE Coated Wire (Straight)

PTFE Coated Wire (Spool)

Two types of PTFE coatings: Pre-Coated and Spray Coated.

Wytech's coatings are available in a variety of colors, including green, blue, black, gray, and clear. Available on a wide variety of base metals, including stainless steel, copper, Nitinol, and many other materials.