

# Catheter Solutions

Whether micro, braided and coiled, or steerable and/or deflectable catheters, we have your solution.



## Materials

- PEBA<sup>X</sup>®, nylon, polyurethane, polyethylene, customer specified resins
- Catheter Liners: PTFE, FEP, nylon, PEBA<sup>X</sup>®, polyimide, customer specified liners
- Braid or coil reinforced composite shaft

## Braided Catheter Capabilities

- Patterns (standard, diamond, and half load)
- 16 and 24 carrier braiders
- 1, 2, or 3 wire ends/carrier
- Fully programmable variable braid density/PPI
- Longitudinal (tri-axial) wires in steel, nitinol, and high tensile, nonmetallic fibers, up to 8 longitudinal wires/shaft

## Braid wire options (stainless steel)

### Flat wire

- 0.0005" x 0.0025" (0.013mm x 0.064mm)
- 0.001" x 0.003" (0.025mm x 0.076mm)
- 0.0007" x 0.003" (0.018mm x 0.076mm)
- 0.001" x 0.005" (0.025mm x 0.127mm)
- Custom configurations available upon request

### Round wire (available in 1 end, 2 end, or 3 end configurations)

- 0.001" (0.025mm)
- 0.002" (.051 mm)
- 0.003" (.076 mm)
- Custom configurations available upon request

## Radiopaque features

- Encapsulated marker bands: gold, platinum, tungsten
- Extruded marker bands featuring polymer with high loading of conventional radiopaque fillers
  - Tungsten (bilayer, trilayer) (W) (up to 80% by weight)
  - Barium sulfate (BaSO<sub>4</sub>)
  - Bismuth trioxide (Bi<sub>2</sub>O<sub>3</sub>)
  - Bismuth subcarbonate (BiCO<sub>3</sub>)

## Finishing and Forming Operations

- Flaring
- Tipping
- Insert molding
- Custom hubs