Nordson MEDICAL’s technology encompasses more than 25 years of experience in the design, development, and manufacture of non-compliant, semi-compliant and compliant medical balloons.

Let our experienced engineers work with you to develop a custom balloon for your application, or select a stock balloon from more than 100 balloons available immediately through our online store.

**Non-Compliant Balloons**
- Ultra high-strength, thin-walled
- Burst pressures from 15–440+ psi (1–30+ atm)
- Compliance range: 0–7% (typical) radial expansion
- Sizes typically range from 0.5 to 60+ mm diameter and up to 350 mm length

**Semi-Compliant Balloons**
- High-strength, thin-walled
- Compliance range: 8–20% (typical) radial expansion
- Burst pressures typically range from 15–440+ psi (1–30+ atm)
- Sizes typically range from 0.5 to 60+ mm diameter and up to 350 mm length

**Compliant Balloons**
- Low pressure, thin and thick-walled
- Burst pressures from 0–30 psi (0-2 atm)
- Compliance range: 20–200% or more
- Volume versus pressure inflation recommended
- Sizes range from 0.5 to 60+ mm or more in diameter and up to 350 mm length

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**Balloon Shapes**
Unique forming processes enable wide variety of balloon shapes
- Asymmetrical and eccentric
- Conical, diamond, dog-bone
- Offsets, spiral, multi-channel
Benefits of Nordson MEDICAL’s Balloon Offerings:

- Highest quality in the industry
- Extensive stock inventory of balloons available immediately
- Experienced engineers developing cutting edge solutions including:
  - Multi-lumen balloons
  - Braid-reinforced balloons for ultra-high strength
  - Lead times as short as 2 weeks

MATERIALS

- PET
- Polyurethane
- Nylon
- Thermoplastic Elastomers
- Nylon Elastomers

APPLICATIONS

- Angioplasty/Dilatation Catheters
- TAVI
- AAA
- Endovascular Graft Delivery
- Heat Transfer Catheters
- Positioning
- Stent Delivery
- Kyphoplasty
- Drug Delivery

Need Help Developing a Fully Assembled Balloon Catheter?

To complement our extensive balloon offerings, Nordson MEDICAL also provides expertise in design, engineering, and manufacturing of catheter-based devices. With the ability to manufacture a full range of balloon catheters, we can bring your idea to life by providing flexible solutions to fit every design team’s budget and timeline:

- **PROTOCATH™ ONLINE DESIGN TOOL**
  Get a modular balloon catheter prototype in as little as two weeks

- **DESIGN YOUR OWN BALLOON CATHETER**
  Leverage your ProtoCath™ design or choose from a wide range of stock balloon components to create a more customized catheter

- **CUSTOM BALLOON CATHETERS**
  Build a fully custom catheter from scratch