Vertically integrated balloon catheter capabilities

Surmodics' comprehensive balloon catheter capabilities include:

**Design & Prototyping**
- Dedicated R&D with fully-equipped labs enable rapid prototype iterating and performance assessment for concept-to-commercialization product development and speed to market

**Balloon Development**
- Broad balloon forming capability, perfecting the relationship between extrusion and forming
- Expertise with all conventional balloon materials, and proprietary braided technology, for high-rated burst, low profile, non-compliant, semi-compliant and compliant capability

**Surmodics Specialty Catheter Technology**
- Proprietary ultra-thin walled, coiled/braided catheter shaft platform delivers nearly 1:1 torque with robust kink resistance and flexibility

**Surmodics Surface technology**
- The global leader in high-performance hydrophilic, drug-delivery and hemocompatible coatings, with patented PhotoLink® UV curing to speed production
- Serene® high-durability, low-friction, low-particulate coatings (single or dual coat)
- Dedicated drug coating clean rooms utilizing paclitaxel and sirolimus formul

**Manufacturing**
- World-class, purpose-built manufacturing facility with 8,000 sq. ft. of cleanrooms
- Lean manufacturing with capacity for high-volume global supply

**Quality & Regulatory Support**
- FDA, CE and Japanese approvals, ISO 13485 compliance, post-market surveillance

**OEM Product Offerings**
- .014” Below-the-Knee PTA Balloon Dilation Catheter
- .018” Low Profile PTA Balloon Dilation Catheter
- .035” Low Profile PTA Balloon Dilation Catheter
- .035” High Pressure Large Diameter PTA Balloon Dilation Catheter
- .035” Large Lumen Molding Balloon Catheter

Serene and PhotoLink are registered trademarks of Surmodics, Inc. and/or its affiliates.

Creagh Medical and NorMedix are now part of Surmodics, Inc.

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FOR MORE INFORMATION ON HOW SURMODICS CAN ENHANCE YOUR BUSINESS, PLEASE CONTACT US AT 952-500-7000 OR VISIT WWW.SURMODICS.COM

Combining best-in-class balloon catheters and surface technology for exceptional deliverability and dilation performance
The Surmodics difference: Best-in-class balloon catheter and surface technology

Surmodics, the global leader in surface technology for vascular devices, now offers highly differentiated balloon catheter whole-product solutions.

In 2015 we acquired Cregg Medical, an innovative developer and manufacturer of balloon catheters located in Ireland’s medical technology beltway. This world-class design, development and high-volume manufacturing facility has unique expertise in PTA balloon technology, producing the highest-pressure conventional balloons and most deliverable low profile catheters on the market.

All critical aspects of balloon catheter manufacturing take place at our Ireland facility, ensuring 24-hour quality control and on-time delivery. In combination with our leadership in hydrophilic, drug-delivery and hemocompatible coatings, these capabilities make Surmodics the clear choice for medical device companies seeking next-generation balloon catheter whole-product solutions.

Surmodics, the global leader in surface technology for vascular devices, now offers highly differentiated balloon catheter whole-product solutions.

**.035” High Pressure Large Diameter PTA Balloon Dilation Catheter**

The answer for resistant large-vessel lesions

- High pressure, rapid deflation, short tip
- Vessel-friendly catheter delivers and treats with ease
- Catheter and balloon flexibility tracks with ease
- Balloon conformability to vessel curvature reduces straightening

**.035” HD LD PTA Product specifications**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Size</th>
<th>Flow</th>
<th>Length</th>
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<tr>
<td>0.035”</td>
<td>45Fr</td>
<td>12Fr</td>
<td>150cm</td>
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<td>25Fr</td>
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**.035” Large Lumen Molding Balloon Catheter**

- The workhorse solution...
  - Durable compliant balloon designed to tackle multiple dilation needs
  - Rapid inflate/deflate speeds procedure time and quickly restores flow
  - Flexible catheter tracks anatomy with ease
  - One device designed for stent grafts from 10mm to 45mm diameters
  - Low profile – 12Fr sheath compatible

...for successful stent graft deployments

- Achieving vessel/graft apposition to secure and seal stent grafts
- Compliant balloon material designed to smooth entire graft

**.035” LLMB Product specifications**

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