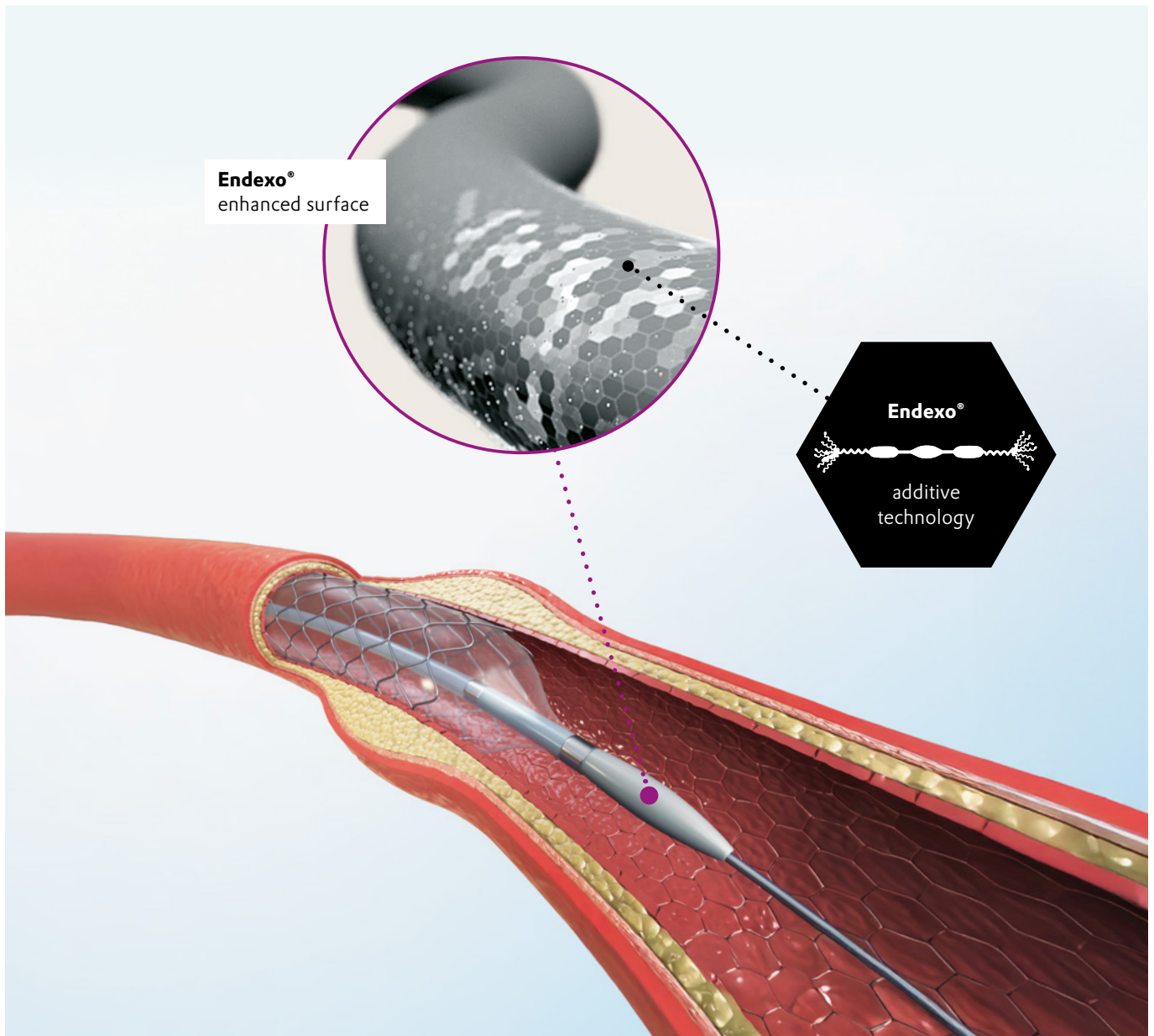


Lower surface friction for improved performance



Key benefits of Endexo®

1

No coatings or liners

2

Low cost

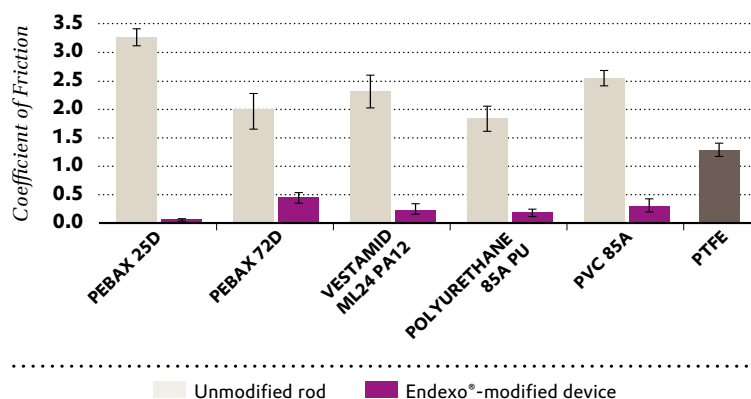
3

Multifunctional

Endexo® reduces friction to improve device performance

Endexo® is a versatile technology engineered to create a stable, non-leaching surface chemistry with permanent functional properties. Endexo® additives are blended at low concentrations with the medical device polymer during standard manufacturing processes and migrate to uniformly modify all device surfaces, reducing surface friction **by up to 90%**. This offers the potential to eliminate friction-reducing liners or coatings used in medical devices thereby reducing manufacturing costs and the risks of coating delamination or particulate formation.

**Average coefficient of friction of device surfaces
(pull test, silicone clamps, wet condition)**

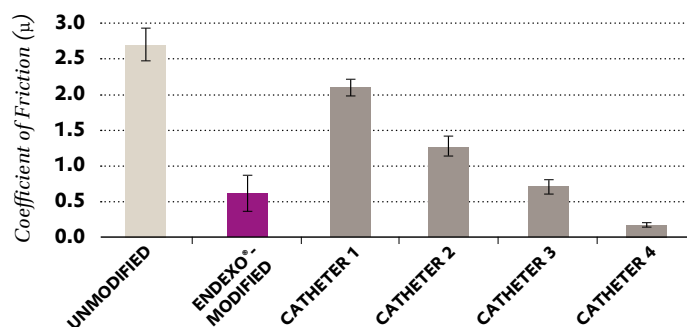


- Requires no post treatment, secondary application steps, or special packaging
- Suitable for inner lumens, complex geometries and small profiles
- Does not flake or delaminate
- Offers additional benefits of reducing thrombosis and bacterial adhesion

Comparison with coatings and liners

Endexo® surface modification can provide friction properties comparable to existing solutions like fluorinated liners or some hydrophilic coatings, without the need for co-extrusion or coating application. This can result in manufacturing **cost savings of 30–60%**, savings on capital equipment purchases, maintenance, production time, yield, quality control, and overheads.

Average coefficient of friction on 10F polyurethane tubing and commercial drainage catheters with hydrophilic coatings



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