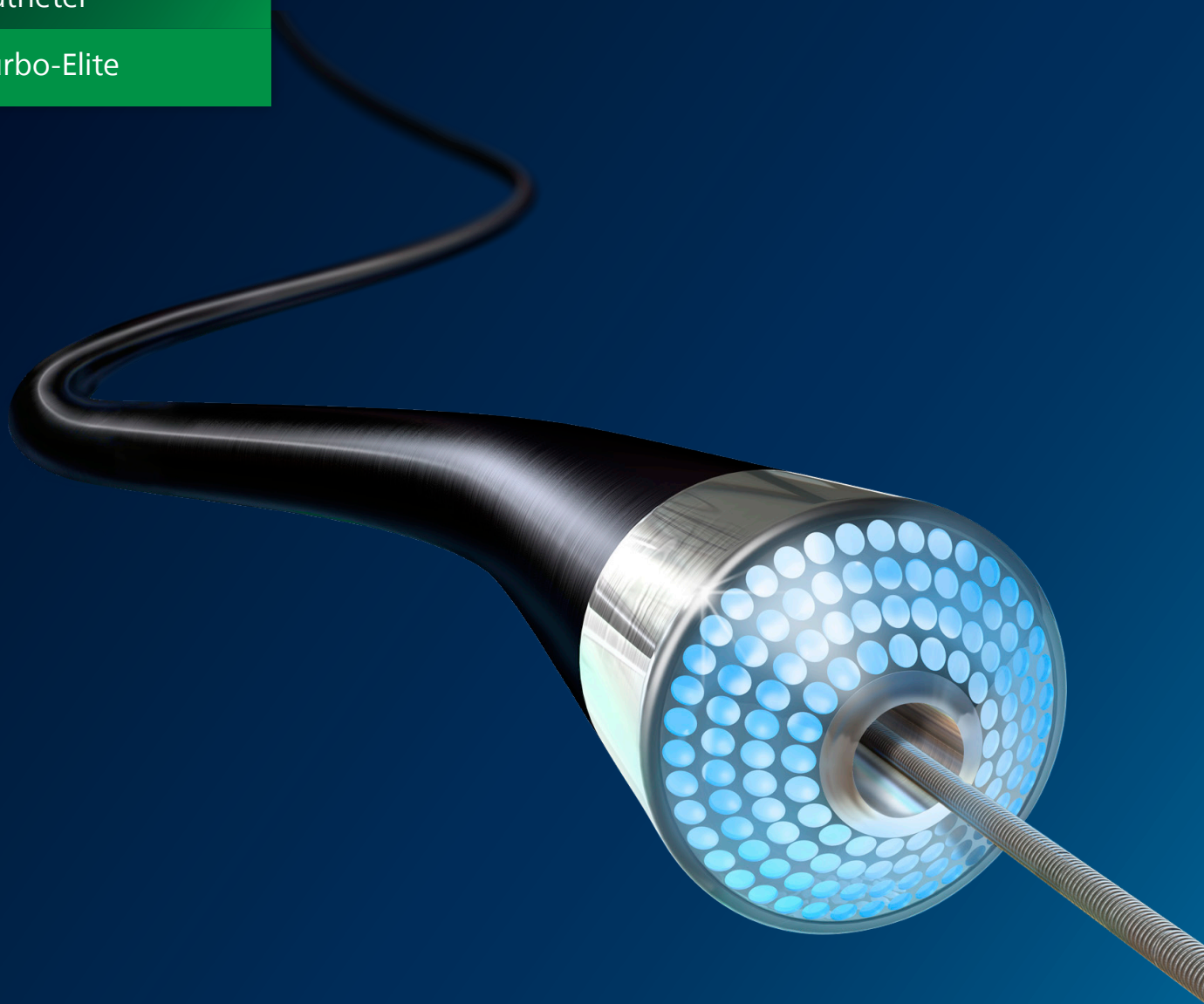


**PHILIPS**

Laser Atherectomy  
Catheter

Turbo-Elite



**The innovative, safe and versatile  
solution for treating stenoses  
above and below the knee**

# The safe and versatile way to cross, prepare and preserve vessels above and below the knee

The Philips Turbo-Elite laser atherectomy catheter captures the power of ultraviolet light to provide a versatile and reliable tool for treating multiple lesion morphologies. By working at the molecular level, Turbo-Elite is capable of powering through challenging infrainguinal stenoses and occlusions, providing you the precision and control required to preserve vessels and save limbs.

## Versatile performance

Turbo-Elite uniformly and reliably treats a variety of morphologies and locations with a single catheter.

## Cross and debulk with one device

The safe and proven step-by-step method crosses and prepares challenging occlusions without a wire by acting directly from the catheter's tip.

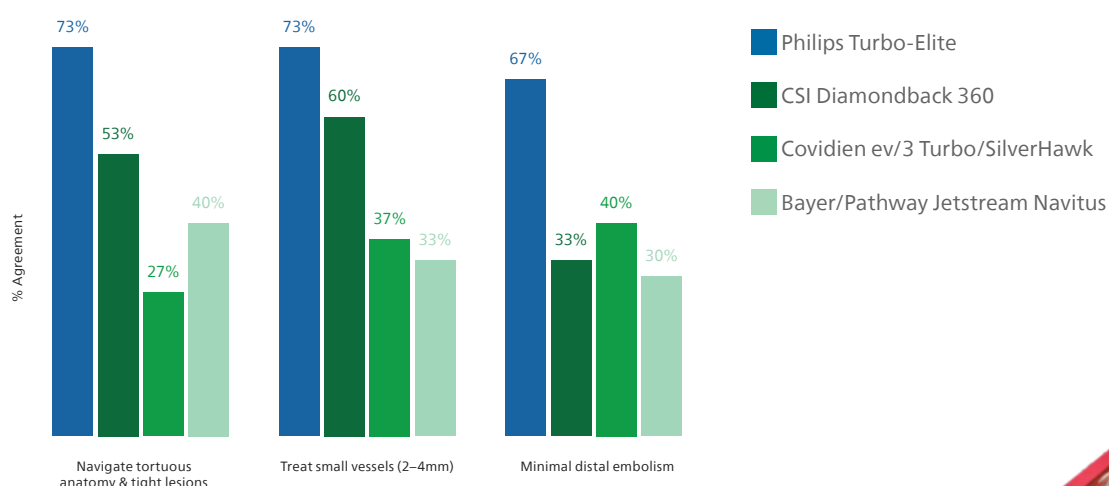
## Reliably simple

With its safe and easy-to-use technology, Turbo-Elite provides laser-accurate control with none of the moving parts or cutting blades of competing atherectomy catheters.

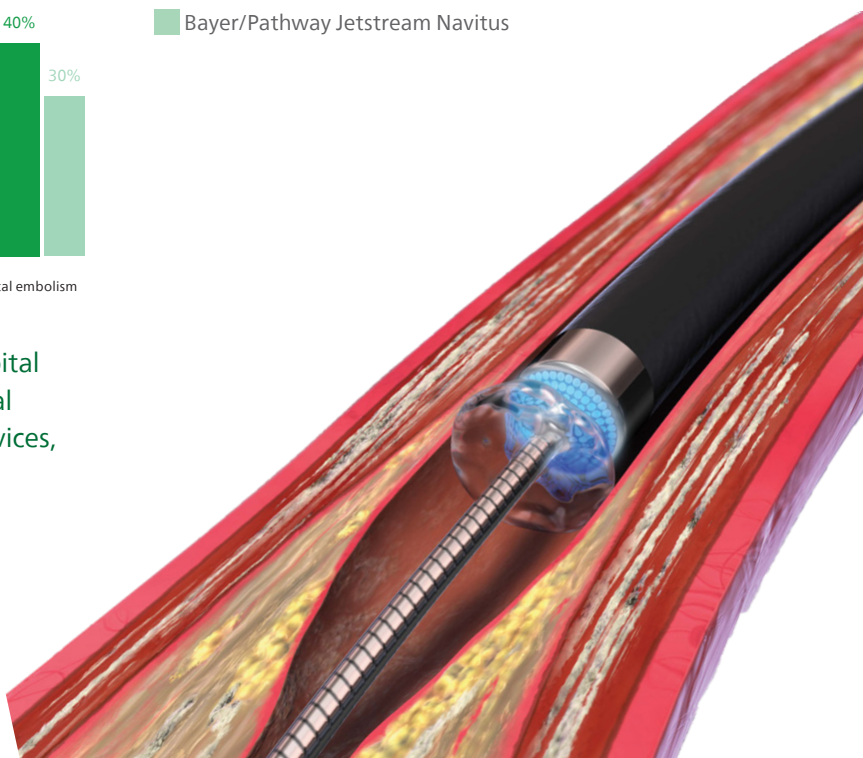
## Strong clinical support

Turbo-Elite has a proven record of safety and efficacy with results that consistently demonstrate an ability to save limbs and treat lesions both above and below the knee.

## Clinical satisfaction among key clinical attributes\*



In a recent blinded survey of physicians and hospital decision makers, Turbo-Elite had unrivaled clinical satisfaction among competitive atherectomy devices, and was recognized as a top performer in 8 of 11 key attributes.



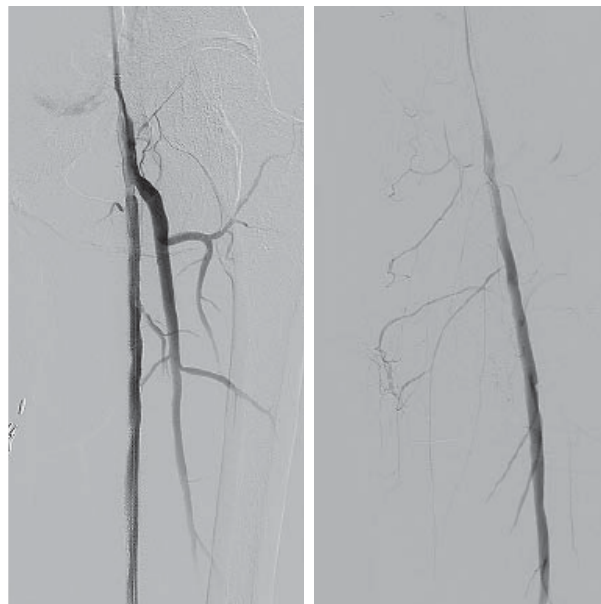
## Enhanced performance and effectiveness

Revascularization of a left SFA CTO using the Turbo-Elite 2.3mm catheter



### Pre-procedure

Pre-procedure images show the SFA CTO with reconstitution at the adductor canal (left) and the distal CTO cap with run-off to the popliteal (middle left).



### Post-procedure

After 2 passes with Turbo-Elite at settings of 60/40 and PTA (no stenting), the post-procedure images show the successful revascularization of the SFA through to the popliteal.

## Cost-effective atherectomy solution

Through a single device that can both cross and debulk a lesion, Turbo-Elite provides you with clinical efficacy and reliability at a lower cost per case than other technologies.

### Turbo-Elite guarantee

Philips ensures it delivers enhanced performance and peace-of-mind by providing a replacement if the device falls short of clinical expectations.

### Clinical support and expertise

Philips offers best-in-class training and support, including observational training, symposia and the only atherectomy simulator in the market.

Turbo-Elite laser atherectomy catheter: the **safe, effective, and easy** way to treat compromised vessels above and below the knee



# Turbo-Elite laser atherectomy catheter

## OTW peripheral over-the-wire catheters

Catheter diameter	0.9mm	1.4mm	1.7mm	2.0mm	2.3mm	2.5mm	2.3mm	2.5mm
Model number	410-152	414-151	417-152	420-006	423-001	425-011	423-135-02	425-135
Vessel diameter	≥1.4mm	≥2.1mm	≥2.6mm	≥3.0mm	≥3.5mm	≥3.8mm	≥3.5mm	≥3.8mm
Max guidewire compatibility	0.014"	0.014"	0.018"	0.018"	0.018"	0.018"	0.035"	0.035"
Sheath compatibility	4F	5F	5F	6F	7F	8F	7F	8F
Max tip outer diameter	0.038"	0.055"	0.068"	0.080"	0.091"	0.101"	0.091"	0.101"
Max shaft outer diameter	0.047"	0.056"	0.069"	0.081"	0.091"	0.102"	0.091"	0.102"
Working length	150cm	150cm	150cm	150cm	120cm	110cm	125cm	112cm
Fluence (mJ/mm2)	30-80	30-60	30-60	30-60	30-60	30-45	30-60	30-60
Repetition rate (Hz)	25-80	25-80	25-80	25-80	25-80	25-80	25-80	25-80

## RX peripheral rapid exchange catheters

Catheter diameter	0.9mm	1.4mm	1.7mm	2.0mm
Model number	410-154	414-159	417-156	420-159
Vessel diameter	≥1.4mm	≥2.1mm	≥2.6mm	≥3.0mm
Max guidewire compatibility	0.014"	0.014"	0.014"	0.014"
Sheath compatibility	4F	5F	6F	7F
Max tip outer diameter	0.038"	0.057"	0.069"	0.080"
Max shaft outer diameter	0.049"	0.062"	0.072"	0.084"
Working length	150cm	150cm	150cm	150cm
Fluence (mJ/mm2)	30-80	30-60	30-60	30-60
Repetition rate (Hz)	25-80	25-80	25-80	25-80

### Important safety information

The Turbo-Elite laser catheter is indicated for the treatment of peripheral arterial disease (PAD) located in the legs.

Potential adverse events associated with procedures used to treat PAD may include: a sudden, temporary or ongoing re-closure of the treated artery; blood clot or obstruction of the artery by plaque debris; a tear, rupture or damage to the artery (or nearby vein or nerve); minor bleeding or bruising at the entry site. Other complications may occur.

Rare but serious potential adverse events include: the need for urgent additional procedures or surgery due to bleeding, vascular damage, loss of blood flow or other complications; decrease or loss of kidney function due to contrast exposure; the need for amputation due to inability to restore blood flow; and infection, stroke, irregular heartbeat, heart attack or death.

This information is not intended to replace a discussion with your healthcare provider on the benefits and risks of this procedure to you.

\* Data on file.

Always read the label and follow the directions for use.  
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**Spectranetics Corporation**  
9965 Federal Drive  
Colorado Springs, Colorado, 80921  
USA

**Spectranetics International B.V.**  
Plesmanstraat 6  
3833 LA Leusden  
The Netherlands

