



Vascular Medical Devices

Unrivalled expertise from an EU Notified Body and UK Approved Body

As a manufacturer of a vascular medical device, you must ensure that you meet the relevant regulatory requirements before placing your product onto the market; for the EU, these are outlined in the [Medical Device Regulation \(MDR\) \(EU\) 2017/745](#) and, for the UK, the [UK Medical Devices Regulations \(UK MDR\) 2002](#).

It is critical to work with an EU notified body or UK approved body that understands the industry and has the experience to review and confirm your product's readiness for market – efficiently, reliably and promptly. Our technical specialists have extensive experience in vascular medical devices and can support you through the process of certifying your device.

BSI The Netherlands (2797) is a leading Notified Body; we review medical devices to ensure that they conform to the requirements of the European Directives and Regulations. BSI UK (0086) is a UK Approved Body able to provide conformity assessments under the new UKCA scheme.



Inspiring trust for a more resilient world.

Defining vascular medical devices

A vascular medical device can be defined as a device that is used in the arteries and veins or the heart itself, to control, diagnose, monitor or correct disease, injury, or other conditions.

This vasculature encompasses the cardiovascular, peripheral vascular, and neurovascular anatomy.

Meet our experienced Vascular team

Our vascular technical specialists are product experts who are highly trained in working with vascular medical device manufacturers and understand the specifics of these complex devices. The team has an average of 20 years' industry and regulatory experience.

We are experienced in working with manufacturers of apparatus, appliances, implants, instruments, materials or other articles intended to be used in the arteries and veins that carry blood throughout the body.

We also provide conformity assessments for medical devices for the heart itself used in the diagnosis, prevention, monitoring, prediction, prognosis, treatment or alleviation of disease or injury, or in the investigation, replacement or modification of the anatomy in relation to the vasculature or the heart.

Where products require additional expertise, we collaborate with our in-house clinicians and technical teams in all areas

from active implantable, dental and orthopaedic, to medicinal substances, devices utilizing animal tissue, and sterile medical devices.

“We understand that, as a manufacturer of a vascular medical device, completing your Technical Documentation for conformity assessment is a challenging and rigorous process. Our incredible team of vascular technical specialists is passionate about ensuring that these complex, lifesaving medical devices perform as intended and, ultimately, are safe for use in patients.”

Maritza Carballo

Global Head of Vascular Medical Devices, BSI

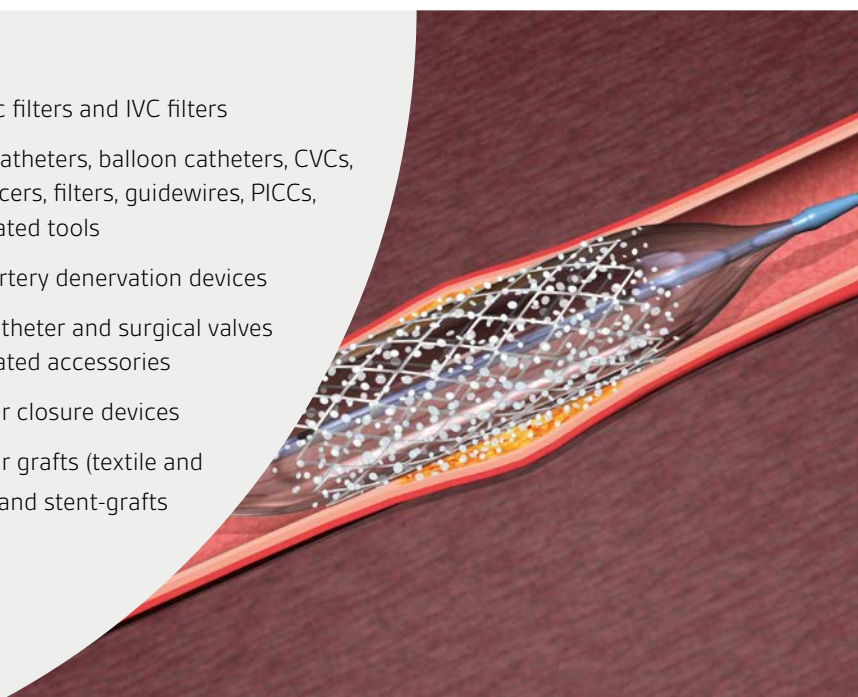


From the experts

Vascular medical devices are complex and the process of CE or UKCA marking these devices can be challenging; we regularly engage with manufacturers and provide guidance on the relevant technical requirements. For CE marking, we have developed [MDR Best Practices Guidelines](#) to assist with this.

Examples of products we cover

- Cardiac electrophysiology and ablation catheters
- Catheters for intravascular and intracardiac imaging
- Devices for the treatment of Abdominal Aortic Aneurysms (AAA)
- Devices for the treatment of neurovascular diseases including catheters, embolic coils, flow diverters, stents, and wires
- Devices for treatment or repair of structural heart defects or disease
- Drug-eluting stents, bare metal stents, and bioresorbable stents
- Embolic filters and IVC filters
- Guide catheters, balloon catheters, CVCs, introducers, filters, guidewires, PICCs, and related tools
- Renal artery denervation devices
- Transcatheter and surgical valves and related accessories
- Vascular closure devices
- Vascular grafts (textile and ePTFE) and stent-grafts



Reasons to work with BSI Medical Devices

Experience and product expertise

The benefits of having experienced, professional and well-qualified technical specialists cannot be overstated in the complex and ever-changing medical device industry. BSI Medical Devices has a team of more than 750; within that team are our technical experts with experience encompassing the full range of medical devices and management system standards

BSI is a global network of over:



Focus on service

Clients work with us because we understand the challenges medical device manufacturers face in bringing compliant products to market efficiently and safely. We offer a range of flexible product review services providing you with efficient pathways to bring your product to market.

Global market access

We are a global organization, trusted and recognized around the world. BSI The Netherlands (2797) is a leading Notified Body; we review medical devices to ensure that they conform to the requirements of the European Directives and Regulations. BSI UK (0086) is a UK Approved Body able to provide conformity assessments under the new UKCA scheme.

Confidence and robust reviews

Our comprehensive review process combined with our world-leading medical device and regulatory experience will ensure that your conformity assessment process is both efficient and robust.

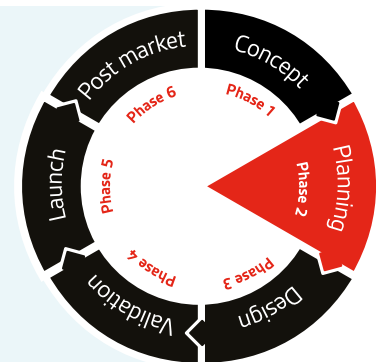
Passion for patient safety

Our mission is to ensure patient safety while supporting timely access to global medical device technology. We strive to set the global standard in thorough, responsive, robust conformity assessments, evaluations and certifications.

The Product Lifecycle: when to consider clinical and regulatory requirements

An understanding of the complex clinical and regulatory requirements early in the product lifecycle could ensure you gain the competitive advantage needed to bring your product to market. Consolidated clinical and regulatory planning will assist you in maximizing resources and reducing the risk of costly redevelopments later in the lifecycle.

[Visit our website](#) for more information about the product lifecycle.



How can BSI support your medical device launch?

Be prepared

In the competitive medical device marketplace, ensuring that product development meets all regulatory requirements is essential. We provide guidance and training to support you through the application process.

Worldwide access

We offer a wide range of proven regulatory and quality management programs that work together for full international compliance. Our Quality Management System (QMS) solutions include ISO 13485, ISO 9001, ISO 14001 and many more.

We are a recognized Certification Body in Hong Kong, Japan, Malaysia, Singapore and Taiwan, and a recognized MDSAP Auditing Organization for all participating Regulatory Authorities.

Seamless transfer to BSI

We can offer a seamless service with comprehensive support and the absolute minimum level of disruption.

Certification support and additional services

We offer continual support throughout the certification process and beyond; we also offer:

- **access to more than 34,000 standards** and related products, as well as online guidance documents
- **expert training** delivered online or face-to-face, either in-house or through our public training courses
- **regulatory updates** and a newsletter service focusing on industry changes, helping you to plan for the future
- **webinars** delivered by our experts on complex regulatory issues
- **comprehensive whitepapers** providing the latest insights on key industry topics

Navigating your transition to the IVDR and MDR

[The Medical Devices Regulation \(MDR\) \(EU\) 2017/745](#) has a transition period of four years starting from May 2017, after which the Regulation will apply. The [In Vitro Diagnostic Regulation \(IVDR\) \(EU\) 2017/746](#) entered into force on the 25 May 2017 marking the start of a five-year transition period.

Manufacturers have the duration of the transition periods to update their Technical Documentation and processes to meet the new requirements if they want to place medical devices and in vitro diagnostic medical devices on the market in the European Union.

The MDR brings with it more scrutiny of Technical Documentation, addressing concerns over the assessment of product safety and performance by placing stricter requirements on clinical evaluation and post-market clinical follow-up. The IVDR brings with it significant changes to the regulatory requirements for IVD medical device manufacturers and introduces a new rule-based classification system with stricter notified body oversight, as well as significant changes to the depth and requirements of the associated Technical Documentation.

Visit our website for more information: bsigroup.com/medical

Technical Documentation Review

Our Technical Documentation Review services deliver the efficiency you need to be both competitive in the market and maintain confidence through our robust technical reviews.

Standard

Our standard service reviews are completed by experienced BSI Product Experts, giving you confidence in the review.

Dedicated

This service allows you to schedule your Technical Documentation review with a dedicated BSI Product Expert.

Five steps to CE or UKCA marking your product

Step 1 BSI prepares a quotation

1

A BSI representative meets with your organization to discuss your needs and the available solutions. We will also discuss the best service for your requirements.

Step 2 BSI performs a conformity assessment

2

A dedicated BSI scheme manager will be assigned to you, supporting your organization throughout the process. A QMS audit will then be performed and Technical Documentation reviewed by one of our experienced technical experts.

Step 3 Certification decision

3

Successful assessment leads to your BSI scheme manager recommending certification of your product. The BSI Certificate Decision Maker will then review the recommendation and, if satisfactory, approve certification.

Step 4 Issue certificate

4

Upon successful certification, you will be issued with a certificate. You will then be able to CE or UKCA mark your product and launch to market.

Step 5 Certification maintenance

5

On-going surveillance audits and reviews are required to monitor for continued compliance. Your BSI scheme manager will be able to support you with any queries you might have.

Talk to BSI today

info.esp@bsigroup.com

Call: **+34 91 400 86 20**

Visit: bsigroup.com/vascular-es

and start your journey



bsigroup.com

BSI UK Approved Body (0086)

Kitemark Court, Davy Avenue
Knowlhill
Milton Keynes MK5 8PP
United Kingdom

T: +44 345 080 9000

E: medicaldevices@bsigroup.com

BSI The Netherlands Notified Body (2797)

Say Building
John M. Keynesplein 9
1066 EP Amsterdam
The Netherlands

T: +31 20 346 0780

E: medicaldevices@bsigroup.com

The trademarks in this material (for example the BSI logo or the word "KITEMARK") are registered and unregistered trademarks owned by the British Standards Institution in United Kingdom and certain other countries throughout the world.