



# Coating service

## High quality UV-cured coating service

Coating service helps to speed up commercial production of medical devices by coating device parts.

### Coating is our passion

Coating service by DSM can support you in getting your medical devices to market faster. We offer coating services for commercial production, clinical studies to obtain regulatory approval, pre-clinical studies, and innovation. DSM has over 100 years of expertise in material science and many years of experience innovating its coating technologies while also delivering exceptional technical service. Our experience with diverse medical devices, such as cardiovascular and neurovascular, enables us to swiftly design the UV-cured coating process and coat your products with consistent quality and the highest yield. Our collaborative approach ensures your peace of mind as we develop the process design according to your needs and requirements.

### Customized to your requirements

Our Coating Service Team works with state-of-the-art validated equipment, enabling the coating of all types of devices through our ingenious coating process design. Solutions are created for combinations of substrates, additives and masked parts. To ensure the coating service meets your needs, we closely partner with you through the process and have a wide range of tests and analysis techniques available. These include microscopy, friction testing, coating homogeneity testing, and tortuous path simulation. We have a broad network of test institutes and universities, as well as the knowhow to support you with testing of particulates, hemocompatibility and biocompatibility.

### Coating service is ready to support you

- Faster commercialization of your device
- Support through every device development phase: commercial production, clinical studies, preclinical studies and innovation
- Partnering with you ensures we meet your needs
- Close collaboration with experts in Quality, Analytics, Regulatory and Clinical buys you time to focus on your core business
- One coating expert as your point of contact
- Tailor-made process, including masking, coating tailoring, cutting, testing, packaging and labeling
- Extensive testing methods include friction, durability, homogeneity and tortuous path testing
- High quality UV-cured coating technologies, perfectly applied using our coating expertise
- Reduces your capital expenditure
- Validated equipment operated by technical experts
- ISO 13485 certified Quality Management System
- ISO 8 cleanroom

## High quality service

The quality of our coating service has our utmost priority, resulting in high quality products which are consistent in performance and fulfill customer and regulatory requirements. The UV-cured coating process is operated by well-trained dedicated personnel. The activities from incoming inspection to shipment of the product is closely monitored by our Quality Department.

## Coating service for a wide range of devices

DSM coating service has expertise in coating a wide range of medical devices. We build on our broad experience with a multitude of substrate materials, geometries and specific clinical requirements. Our experience includes finding coating solutions for:

- A multitude of substrates
- Many different geometries
- Several pre-treatments
- A variety of masking technologies
- Multiple packaging possibilities
- Different labelling options
- A variety of specific customer requirements

This allows our coating service expert team to develop solutions for a multitude of medical devices, including:

- Access systems
- Introducer sheets
- Wires
- Balloon catheters
- Aspiration catheters
- Stent (graft) delivery systems
- Heart valve delivery systems

## Examples of markets served by coating service

- Cardiovascular
- Neurovascular
- Vascular

## Product Disclaimer

The description by DSM Biomedical of the characteristics and properties of its products and services as contained in this brochure is for general information purposes only, and may not be relied upon in individual situations. All materials offered by DSM Biomedical are supplied under a contract containing detailed product specifications, and the user shall be exclusively responsible for, and shall bear full responsibility for the consequences of, (i) whether or not the product is suitable for use in the devices (or for any other (authorized) use that customer may wish to make of the product), and (ii) whether the product specifications are sufficient and sufficiently well defined in order for the product to be fit and suitable for use by user. User undertakes to keep itself actively informed as to developments in the relevant fields of its applications.

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## Clinical and Regulatory Support

DSM has a dedicated Clinical Affairs and Regulatory Team ready to assist you with clinical trial planning, submissions support including accessing our Material Master Files, addressing questions from regulatory agencies, and world-wide strategic regulatory planning.

## Partnering with DSM

By offering the broadest portfolio of biomaterials and process manufacturing in the industry, we help our partners increase the performance of each medical device. Our history of innovation in material design and production is unequalled. We lead in the areas of passive, active and regenerative biomaterial technology, including biomedical polyurethanes and polyethylenes, resorbable polymers, bioceramics, collagens, extracellular matrices, silicone hydrogels, coatings, and drug delivery platforms. We continue to innovate in partnership with our customers to create solutions that improve people's lives. Together, we are at the leading edge of materials science, advancing healthcare by making medical devices longer lasting, more effective and less invasive.

## DSM's dipcoating with UV curing process



Scan the QR code to view our coating process video on DSM's website.