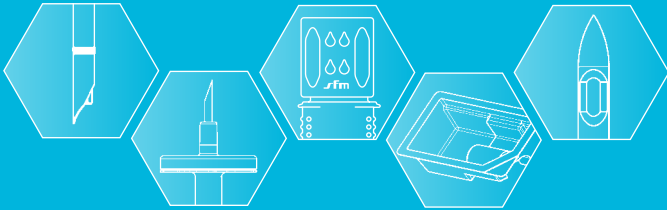


precise understanding



High quality medical devices

MANUFACTURING
CAPABILITIES

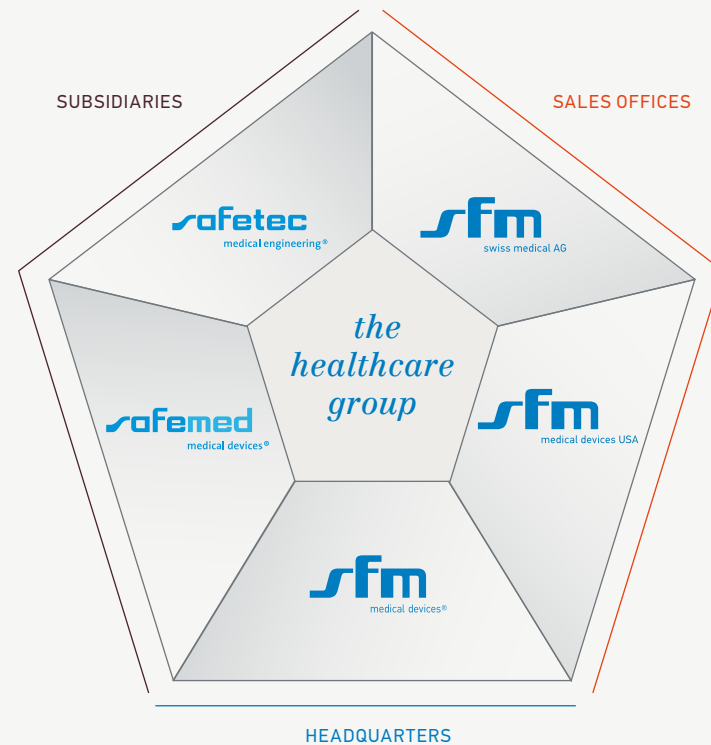
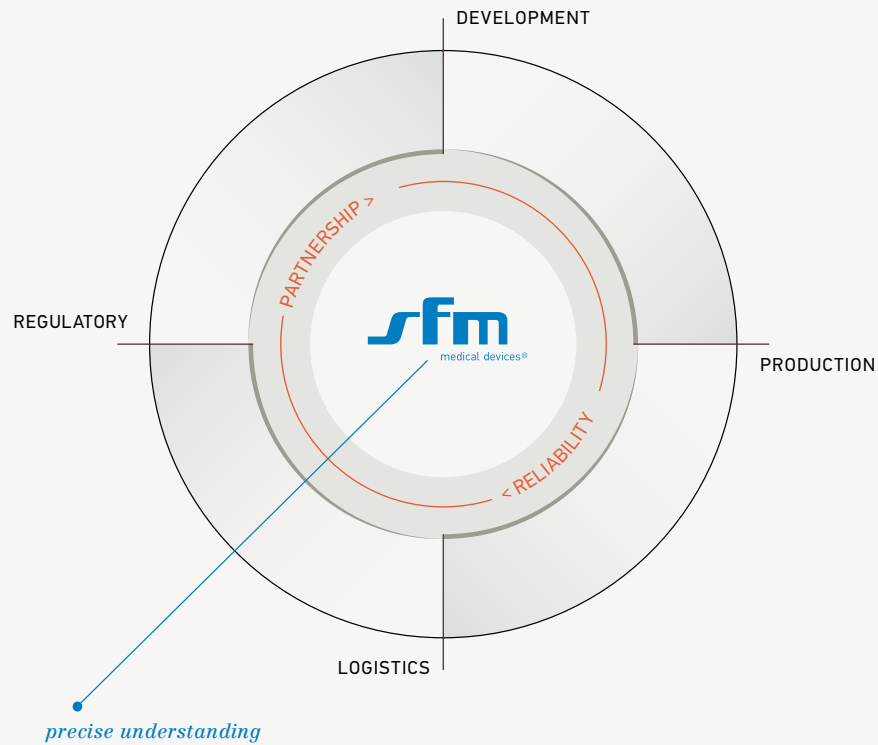
CONTRACT
MANUFACTURING

BRANDED
BY SFM

sfm
medical devices®

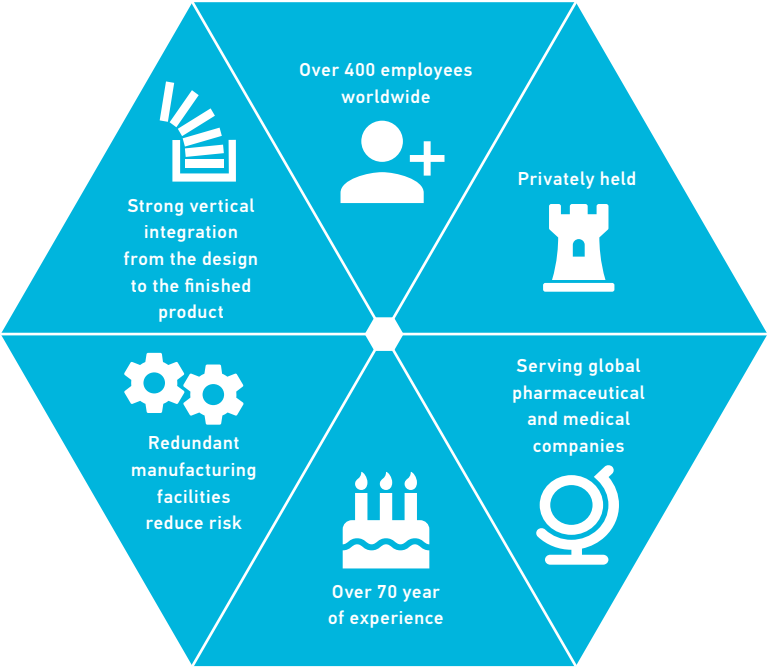
Our integrated approach:

Everything you need from a single source



SFM medical devices GmbH Germany, Wächtersbach	SAFEMED medical devices s.r.o. Czech Republic, Prague	SAFETEC medical engineering s.r.o. Czech Republic, Prague	SFM swiss medical AG Switzerland, Zug	SFM medical devices USA Inc. USA, Virginia
---------------------------------------------------------	----------------------------------------------------------------	-----------------------------------------------------------------------	------------------------------------------------	-----------------------------------------------------

SFM AT A GLANCE



CONTENT

MANUFACTURING CAPABILITIES	
METAL PROCESSING	8
PLASTIC PROCESSING	10
ASSEMBLY	12
PACKAGING	14
STERILIZATION	16
CONTRACT MANUFACTURING	
CASE STUDY: VERTEBROPLASTY AND KYPHOPLASTY SET	20
BRANDED BY SFM	
NEXTARO®	24

MANUFACTURING CAPABILITIES

METAL PROCESSING

PLASTIC PROCESSING

ASSEMBLY

PACKAGING

STERILIZATION

CONTRACT MANUFACTURING

CASE STUDY: VERTEBROPLASTY
AND KYPHOPLASTY SET

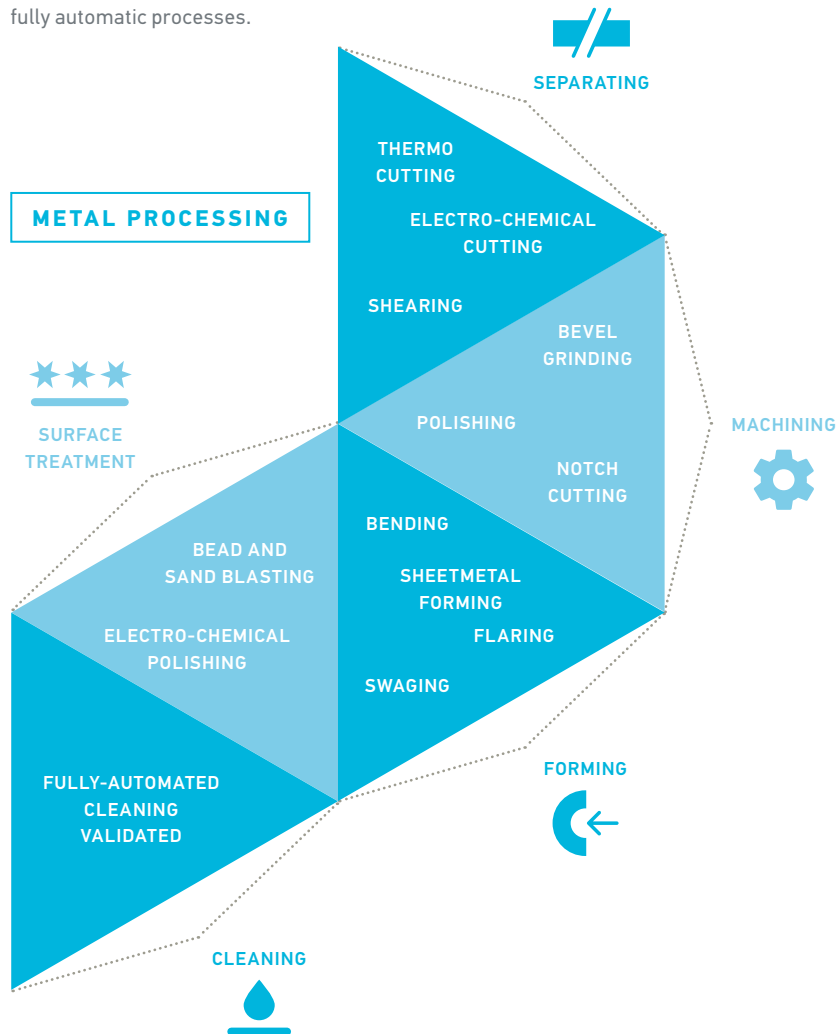
BRANDED
BY SFM

NEXTARO®

MANUFACTURING CAPABILITIES

We offer a wide range of manual, semi-automatic and fully automatic processes.

METAL PROCESSING



→ CASE STUDY

Stainless steel components: Pencil Point Cannulas and Solid-State Needles

COMPONENT FOR DOSING AND DRUG TRANSFER SYSTEMS

REQUIREMENT

Some of the largest pharmaceuticals companies require system-specific stainless steel components for their drug dosing and drug transfer systems.

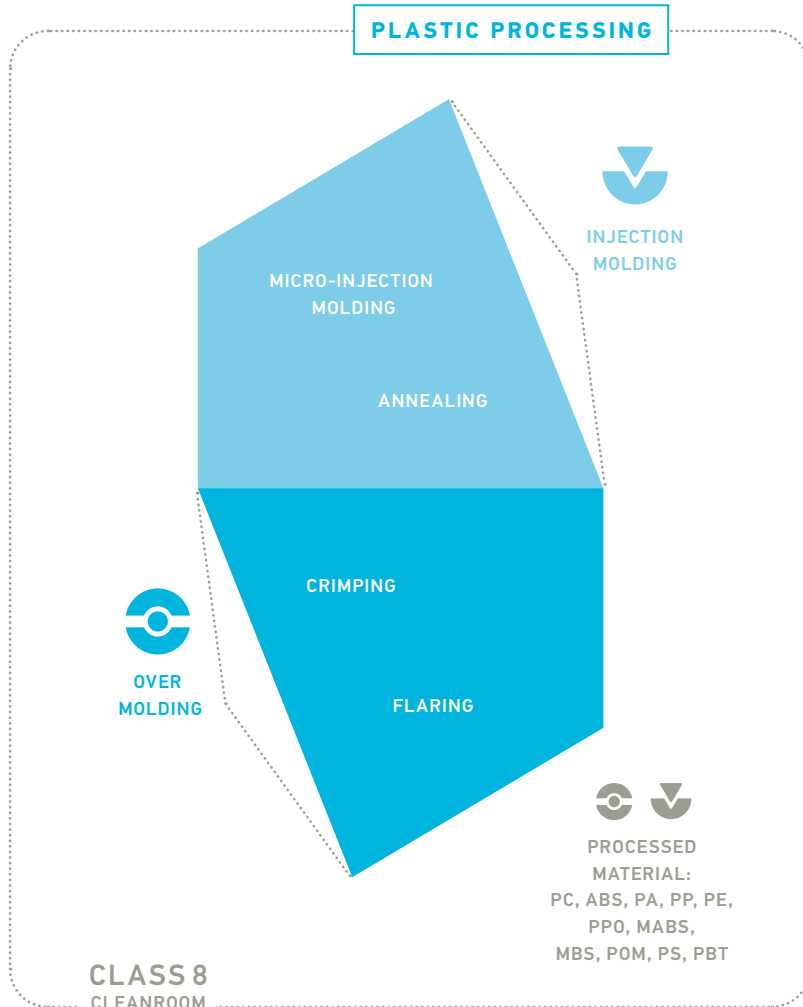
SOLUTION

sfm manufactures stainless steel cannulas for various dosing and delivery systems. The product line includes components for low-fragmentation and residue-free penetration of rubber seals on vials, as well as lancing devices for drug capsules.



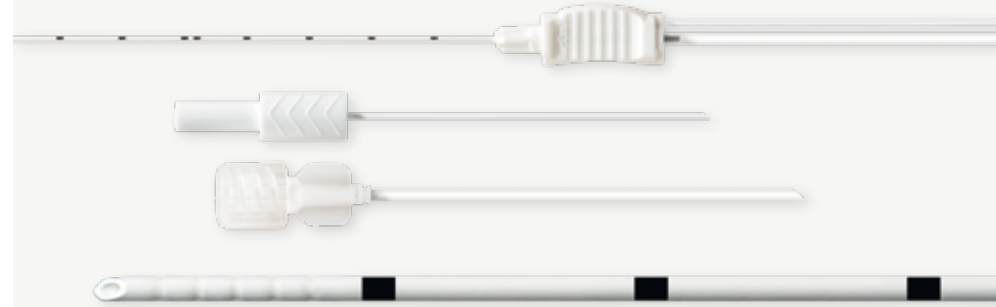
MANUFACTURING CAPABILITIES

We offer a wide range of manual, semi-automatic and fully automatic processes.



→ CASE STUDY

Overmolded Stimulation Needle



STIMULATION NEEDLE FOR GENTLE NERVE PUNCTURE

REQUIREMENT

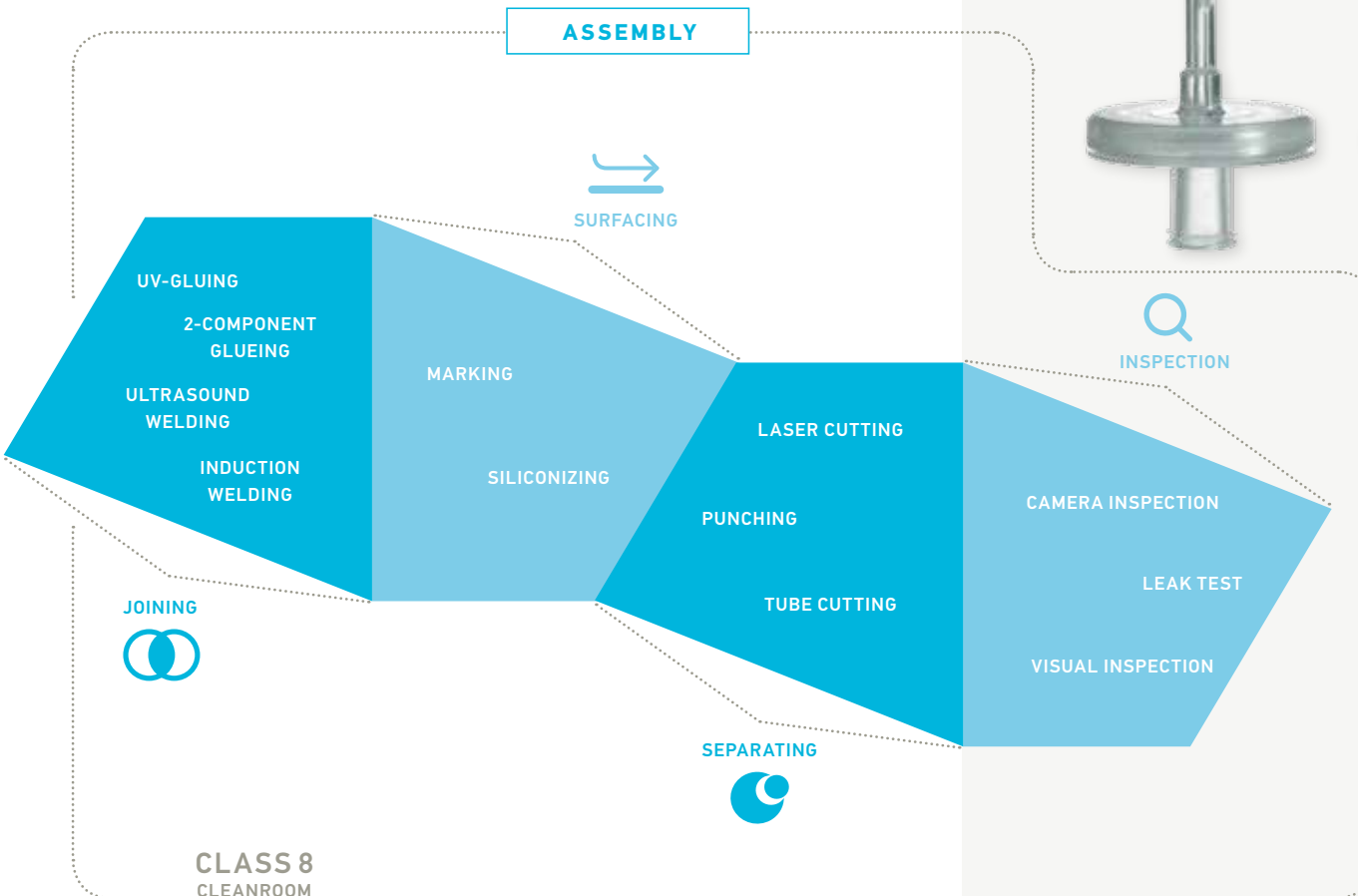
The development of a needle for effective neurostimulation in the treatment of pain with an improved hub design.

SOLUTION

The sfm stimulation needle allows for precise and gentle puncturing of the body tissue and location of the targeted nerve through the use of electrical impulses. Any malfunction and loss of fluids is prevented by the perfect overmolding and connection between needle, tube and connecting cable.

MANUFACTURING CAPABILITIES

We offer a wide range of manual, semi-automatic and fully automatic processes.



→ CASE STUDY

Sterile and Particle Filter



SYRINGE FILTERS FOR VARIOUS APPLICATIONS

REQUIREMENT

A particle and sterile filter for extraction of a solution from a vial or the removal of impurities.

SOLUTION

sfm installed a fully automatic process for efficient product manufacturing. This unit cuts out the filter material, assembles all needed components and also includes automatic monitoring of the manufacturing process, while being flexible enough to allow numerous versions to be produced within this unit.

MANUFACTURING CAPABILITIES

We offer a wide variety of packaging options for your device or kitpacking needs.



PRIMARY
AND SECONDARY
PACKAGING

SOFT BLISTER

PEEL POUCH
PACKAGING

HARD BLISTER

DOUBLE-BLISTER

INDIVIDUAL
LABELLING

UDI LABELS

BRANDED DISPLAY
BOXES

INDIVIDUAL IFUS

READY-TO-SHIP
PACKAGING

FORM-FILL-SEAL



LABELING



Please provide the following data to receive a quotation from us:

- expected annual volume
- Type of product: single device; Set/Kit packaging
- Components are provided or to be sourced
- Type of packaging: Paper; Tyvek; Film; Pouches; Hardblister; Labeling etc.

Packaging



IN-HOUSE PRODUCTION OF ALL COMMON PACKAGING TYPES FOR MEDICAL PRODUCTS

- Development of individual packaging solutions
- Combination of technique, esthetics, and user aspects
- Validated processes
- Various printing techniques
- Accelerated and real-time aging, and sterile barrier inspection
- Transport simulation
- State-of-the-art machines and processes



MANUFACTURING CAPABILITIES

We offer in-house ETO sterilization and other options through our approved partners.



STERILIZATION

PRE-CONDITIONING:
STORAGE OF GOODS
AT ROOM TEMPERATURE
>18°C

1. VACUUM TESTING
2. CONDITIONING
3. CONTROLLED EXPOSURE TO GAS
4. VENTING CYCLES

TOTAL DURATION
APPROX. 9 - 10 HOURS

RECEIPT OF MICRO-BIOLOGICAL
TEST RESULTS
(BIOBURDEN AND LAL TEST)
AFTER MIN. 72 HOURS

RELEASE
OF GOODS

PREPARATION



Please provide the following data
to receive a quotation from us:

- expected annual volume / pallets
- Type of product
- Desired shipping format: Euro pallet;
Shipping box; other

Sterilization



STERILE EO

MANUFACTURING
CAPABILITIES

METAL PROCESSING
PLASTIC PROCESSING
ASSEMBLY
PACKAGING
STERILIZATION

CONTRACT
MANUFACTURING

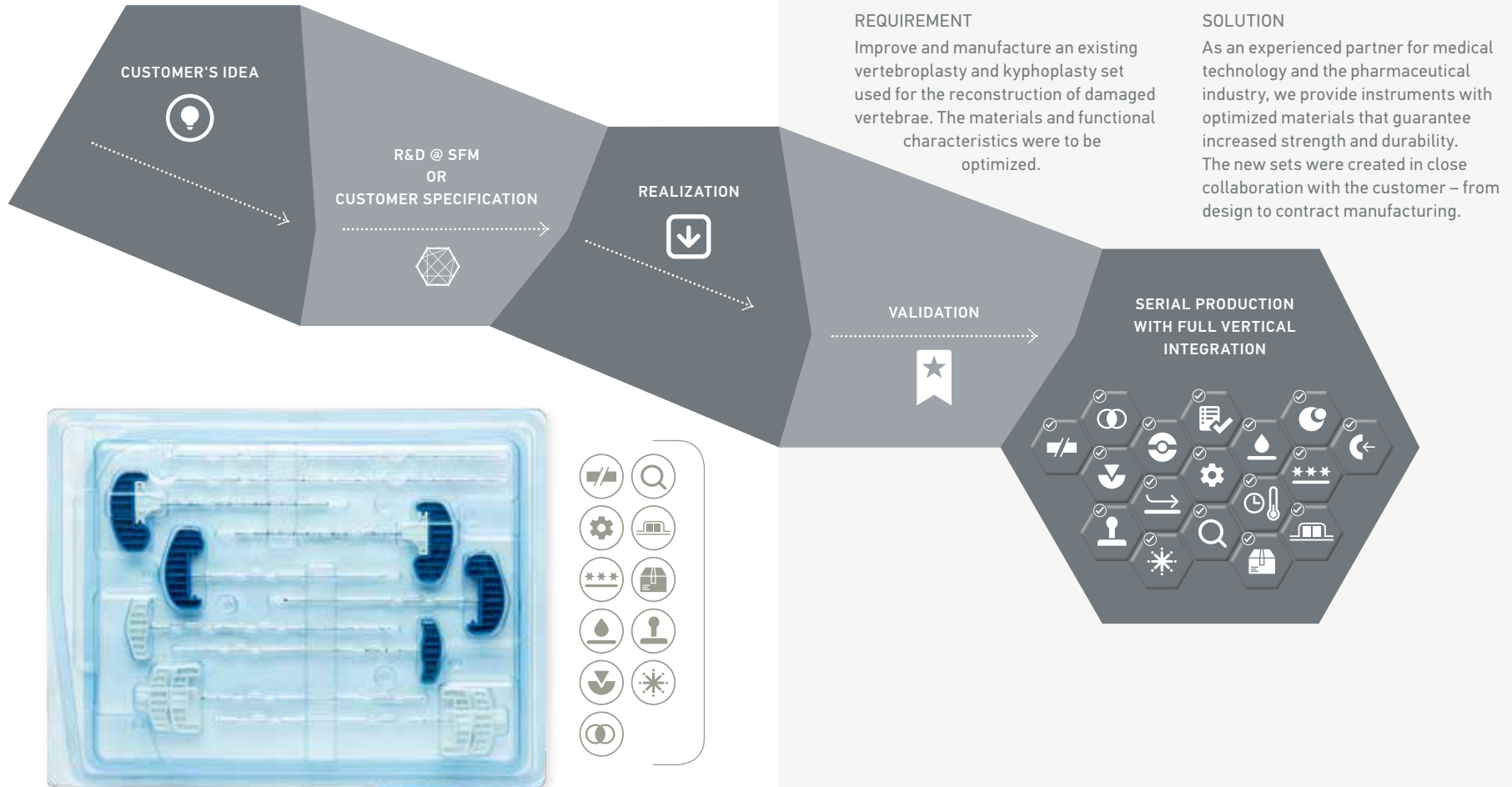
CASE STUDY: VERTEBROPLASTY
AND KYPHOPLASTY SET

BRANDED
BY SFM

NEXTARO®

→ CASE STUDY

Vertebroplasty and Kyphoplasty Set



MANUFACTURING
CAPABILITIES

METAL PROCESSING
PLASTIC PROCESSING

ASSEMBLY

PACKAGING

STERILIZATION

CONTRACT
MANUFACTURING

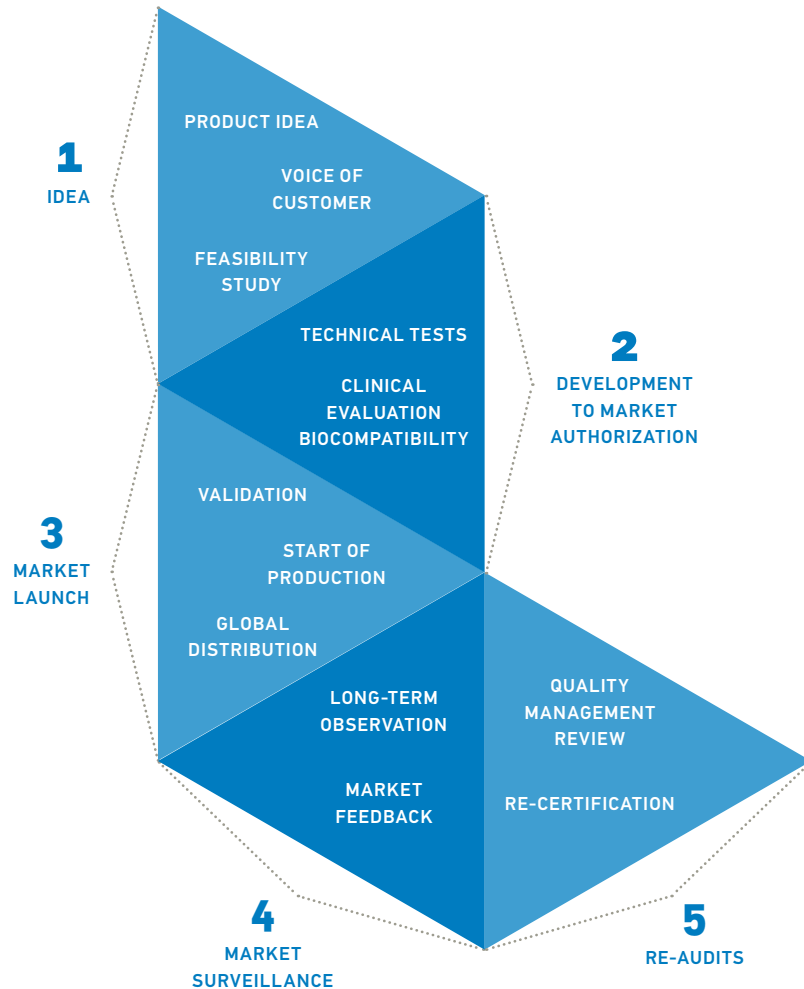
CASE STUDY: VERTEBROPLASTY
AND KYPHOPLASTY SET

BRANDED
BY SFM

NEXTARO®

BRANDED BY SFM

Further products and current developments under www.sfm-medical.com



sfm Transfer Device *nextaro®*

TURNING MARKET DEMANDS INTO SOLUTIONS

nextaro® is the quality benchmark for reconstitution of lyophilized pharmaceutical components. With its key advantages being the patented screw system and the optimized handling through the use of two polymers. The modular design makes nextaro® customizable to meet the individual requirements of each drug. Contact us today and top off your high quality application set with the device it deserves. The product family is continuously growing. Further product variations are in development.



WWW.NEXTARO.COM



nextaro® – the product family

nextaro®

[Ø 32 mm / 32 mm]

All the benefits of the nextaro® 20/20, now available for the combination of two vials with 32 mm crimp caps.



nextaro®v

[Ø 20 mm / 32 mm]

All the benefits of the nextaro®v 20/20, now available for the combination of two vials with 20 mm and 32 mm crimp caps.



nextaro®

[Ø 20 mm / 20 mm]

The well established reconstitution device for vials containing lyophilisate in a negative pressure.



nextaro®v

[Ø 20 mm / 20 mm]

Vented reconstitution with all benefits from nextaro® 20/20. Now available for vials containing lyophilisates in a low negative pressure.



nextaro®va

[Ø 15 mm]

Reconstitution using prefilled syringes or aspiration of liquid from vials. Now available for vials with 15 mm crimp caps.



nextaro®va

[Ø 20 mm]

Reconstitution using prefilled syringes or aspiration of liquid from vials.



We pay great attention to sustainability when developing new products:

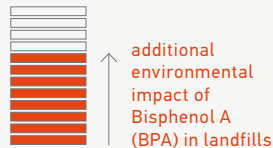
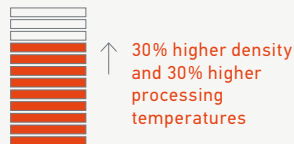
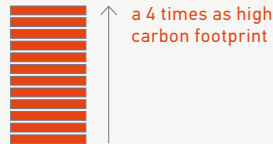
nextaro® products
made from


















Polypropylene



other products
made from

Polycarbonate



-  SEPARATING
-  MACHINING
-  FORMING
-  SURFACE TREATMENT
-  CLEANING
-  INJECTION MOLDING
-  OVER MOLDING
-  JOINING
-  SURFACING
-  SEPARATING
-  INSPECTION
-  FORM-FILL-SEAL
-  PRIMARY AND SECONDARY PACKAGING
-  LABELLING
-  PREPARATION
-  AUTOMATIC STERILIZATION PROCESS
-  RELEASE OF GOODS

*Together we improve people's
health and quality of life.*

*sfm is the leading partner for the
development and production of
high-quality disposable medical
devices for the medical technology
and pharmaceutical industries.*

sfm medical devices GmbH
Brückenstrasse 5
63607 Wächtersbach
Phone +49 6053 805-0
Telefax +49 6053 805-218
www.sfm-medical.com
info@sfm-medical.com
GERMANY