

B. BRAUN CONTRACT MANUFACTURING

PROVIDING OUTSOURCING SOLUTIONS FOR PHARMACEUTICALS AND MEDICAL DEVICES

B. BRAUN MEDICAL LTD – YOUR INDUSTRIAL PARTNER



The B. Braun Group is a Contract Manufacturing Organisation.

Based on more than 175 years of experience and expertise in healthcare worldwide, B. Braun Industrial Partnerships provides a complete business-to-business platform with the right technologies, knowledge and capabilities. We are fully aware of the challenges companies face in today's complex market and at B. Braun we would work closely with our partners to overcome those challenges and concentrate on growth and success. Partner with B. Braun to access our extensive manufacturing capabilities in pharmaceuticals and medical devices.

At B. Braun, we know the work we do is important to the patients you serve.



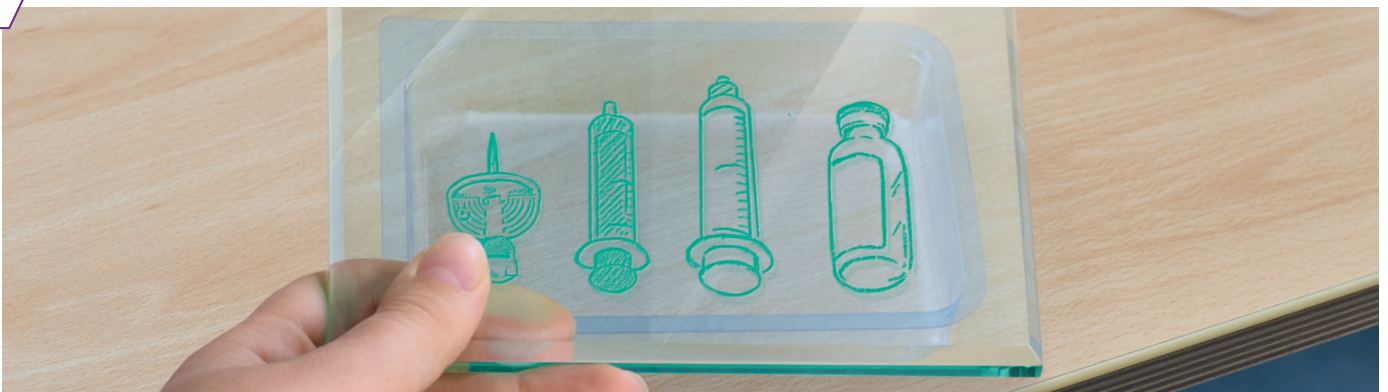
THE PERFECT SOLUTION FOR BUSINESS DEVELOPMENT

Contract Manufacturing is a key focus area for the B2B Division of B. Braun. We can provide access to our existing expertise in the medical device and pharmaceutical fields. Our three main solutions for potential partners are listed below.

1. PHARMACEUTICAL MANUFACTURING



2. MEDICAL DEVICES MANUFACTURING



3. CUSTOMISED KITS WITH DEVICES AND/OR PHARMACEUTICALS



PHARMACEUTICAL CONTRACT MANUFACTURING

Getting your product to market quickly and cost effectively is important. At B. Braun we share expertise in pharmaceutical development and our production can handle manufacturing challenges efficiently. Your project will be managed with expertise and experience in producing many different drugs from aqueous solutions to lipid emulsion in various container sizes and/or materials.

Our production network delivers top quality through GMP compliance, ISO 13485 certification, high quality raw materials, advanced technology and a skilled workforce.



MAIN TECHNOLOGIES AND EXPERTISE

- Blow fill seal – small and large volume
- Fill and finish – glass amps, vials, bags
- Fully automated machinery
- Controlled drugs
- Pre-filled syringes
- Topical medication
- Terminal sterilisation
- Aseptic filling



KEY BENEFITS AND SERVICES

- Industrial and clinical size batches
- Method development and validation
- Raw material and API testing
- Stability Studies – ICH and ongoing
- Serialisation
- Ring coding for glass amps
- Product quality reviews
- Tamper-evident packaging

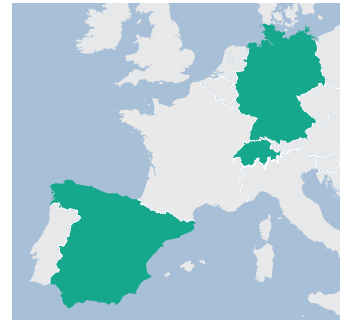
NEW

NEW CAPABILITY

Pre-Filled Syringes up to 10 ml available. Please contact B. Braun Medical Ltd for more information.

B. Braun Manufacturing sites in:

- Germany
- Switzerland
- Spain



Melsungen, Germany (Centre of Excellence for Pharmaceuticals)



Jaén, Spain



Berlin, Germany (Centre of Excellence Small Volume Parenterals)



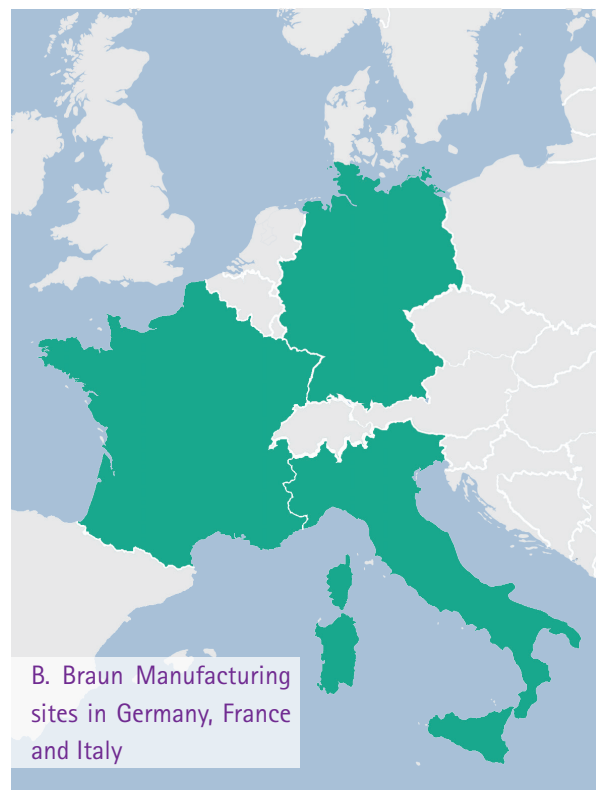
Rubí, Spain

MEDICAL DEVICES MANUFACTURING



Together with our customers we work ambitiously to design, develop, engineer and manufacture medical devices tailor-made to specific demands. We have the ability to build and assemble excellent medical devices.

B. Braun Industrial Partnerships provides insights, expertise and technology to keep your business ahead of the curve. Innovation is key.



KEY BENEFITS AND SERVICES

- Modify B. Braun products and personalise
- Private labelling
- Injection moulding
- Extrusion process
- Over moulding
- Ultrasonic, high frequency and heating welding

CUSTOMISED KITS WITH DEVICES AND/OR PHARMACEUTICALS

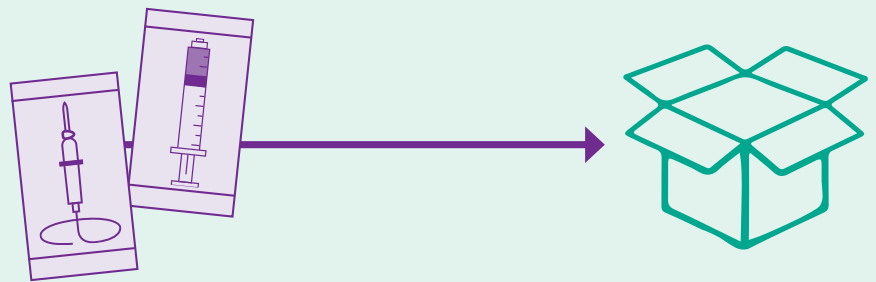
Customised sets and kits are known to be efficient, they accelerate processes and often reduce risks. Today, pre-assembled product sets are rightly valued by healthcare professionals. We can put together customised trays and procedure kits for numerous applications and procedures, based on the specifications you require.

B. Braun has an extensive portfolio of products and services, so there is a wide range of possibilities. We can combine medical products, standard or customised, with your drugs to create ready-to-use application kits.



PROCEDURE PACKS

CE marked medical devices packed in single blisters in a customised box or blister packaging with regulatory support and country registration.



STERILE KITS

Devices packed together in a sterile box/blister. B. Braun submits a new complete CE marking dossier.



COMBINATION KITS

Devices and drug in sterile box/blister. B. Braun supports you for the integration of the devices in your market authorisation.



PRODUCT CAPABILITIES IN EUROPE

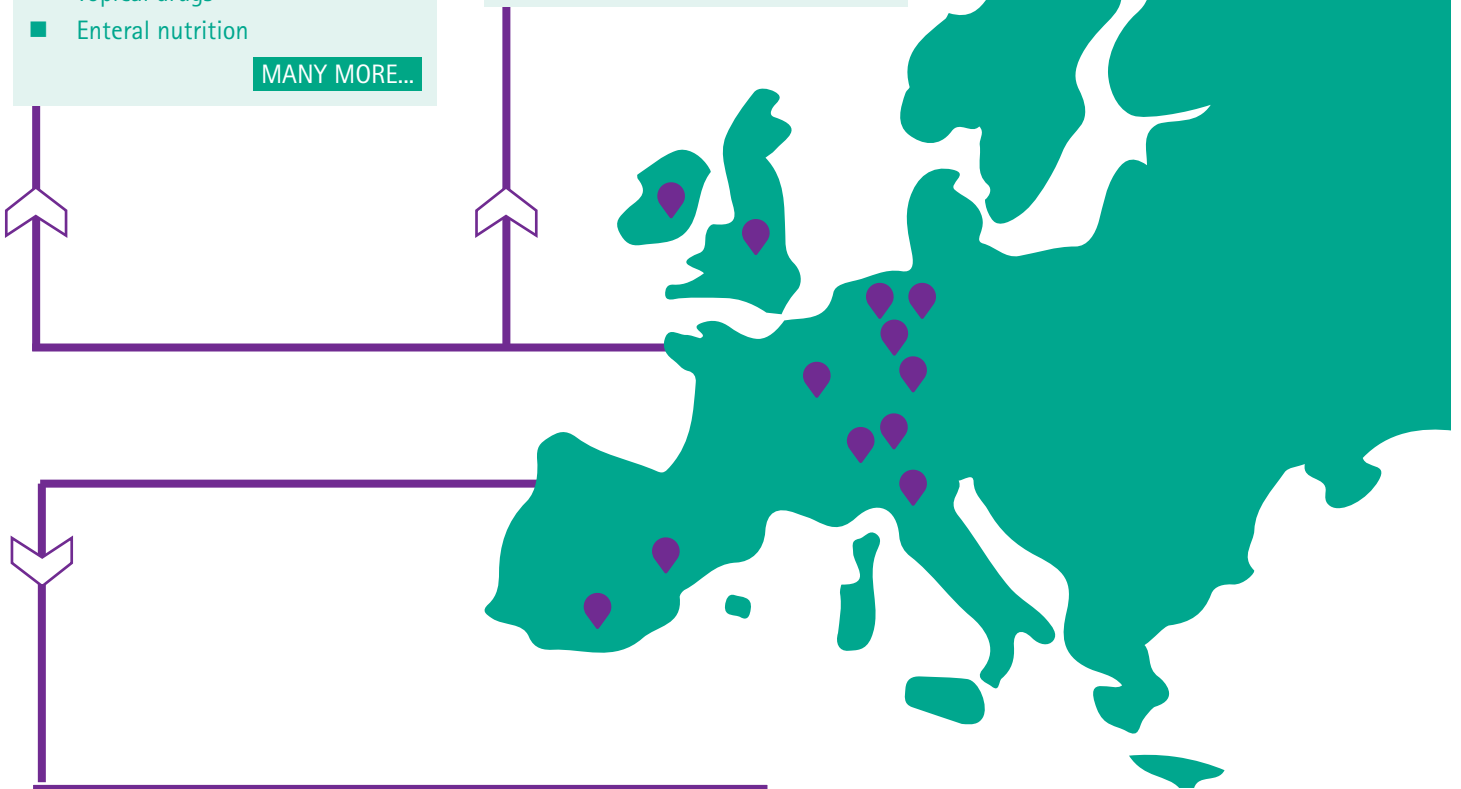
THE PRODUCTION SITES

PHARMACEUTICAL SOLUTIONS AND CONTAINERS

- Electrolyte solutions
- Standard solutions
- Volume replacement
- Standard injectables
- Anaesthetics
- Amino acid solutions
- Lipid emulsions
- Glucose solutions
- Topical drugs
- Enteral nutrition
- Plastic ampoules Mini-Plasco®
- Glass ampoules
- Glass vials
- Glass bottles
- Pre-filled syringes
- Tubes
- Bags
- Pouches

MANY MORE...

MANY MORE...



MEDICAL DEVICES - CORE TECHNOLOGIES

- Mould design and construction
- Prototyping (3D printing)
- Injection moulding
- Extrusion
- Assembly
- Blister packaging
- Bulk packaging

MANY MORE...

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