



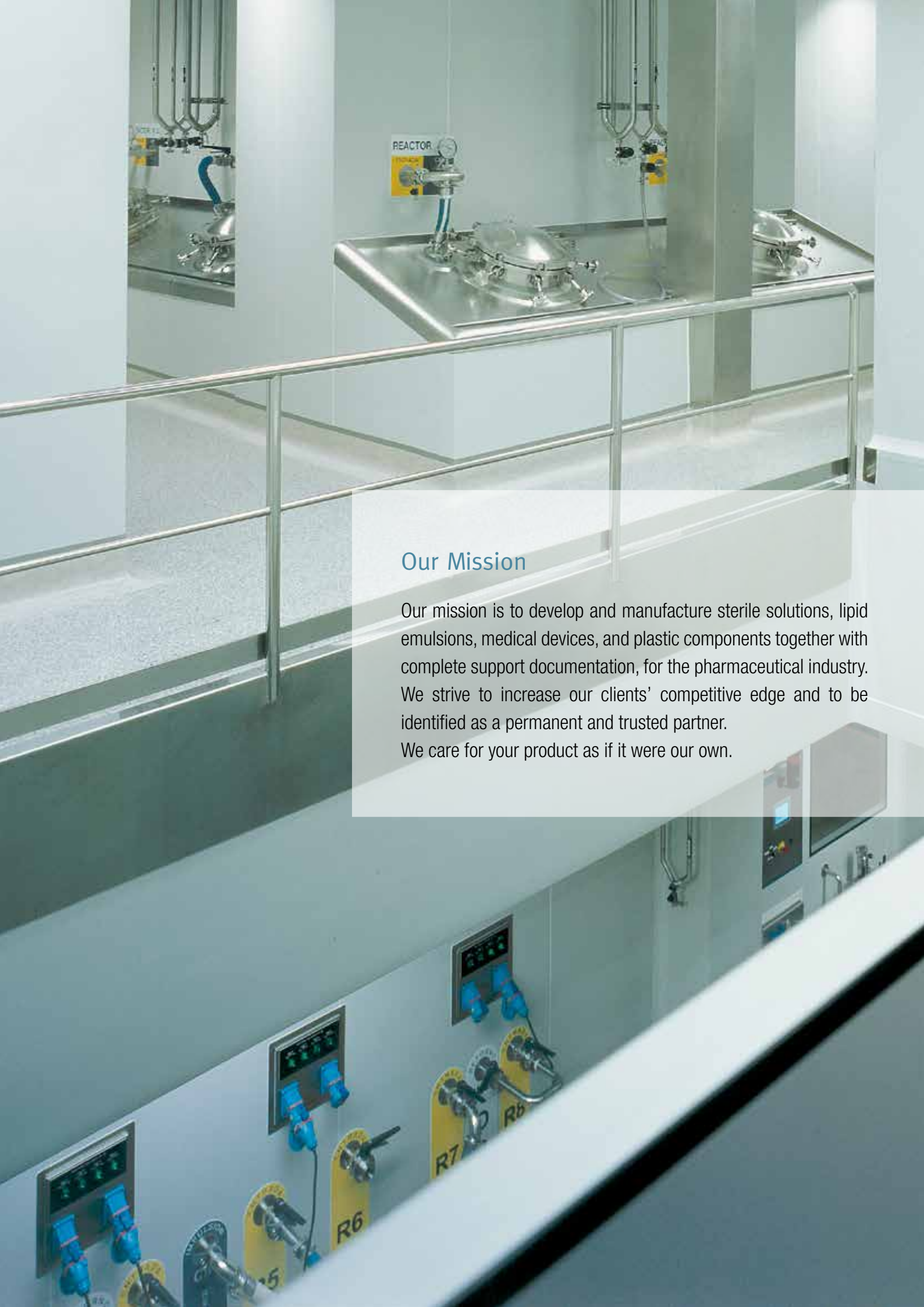
For your pre-mixed intravenous sterile  
solutions in flexible bag

you can place your trust in our hands



**GRIFOLS**





## Our Mission

Our mission is to develop and manufacture sterile solutions, lipid emulsions, medical devices, and plastic components together with complete support documentation, for the pharmaceutical industry. We strive to increase our clients' competitive edge and to be identified as a permanent and trusted partner. We care for your product as if it were our own.



## Who are we?

Laboratorios Grifols is a leading pharmaceutical company with more than 60 years' of experience in manufacturing parenteral solutions and medical devices.

Founded in 1940, Laboratorios Grifols belongs to GRIFOLS holding company, third in the world in plasma derivatives production with affiliates in the USA, EU, Latin America and South East Asia.

Grifols has production plants in Spain and the United States and employs more than 12,000 people worldwide.

**Grifols Partnership** was conceived as a business-to-business platform, a decisive step forward offering our experience in manufacturing and capabilities to the companies in our sector.





## How do we work?

At Grifols we work hard to ensure maximum levels of quality in our production processes. We continuously strive to improve our quality systems, a policy which has earned us the highest levels of accreditation and the following certifications:

GMP, FDA, CE, ISO 9001:2008, ISO 13485:2012, ISO 14001:2004, OSHAS 18001 and Parametric Release.

In 2007 Laboratorios Grifols obtained authorization for the parametric release of its parenteral solutions in glass and plastic containers from the manufacturing plants in Barcelona and Murcia, making the company one of the first in Europe to obtain this authorization.

Parametric Release authorization (Real Time Release Testing) acts as a guarantee that the product has attained the desired level of quality based on information collected during the manufacturing process. It is carried out in strict accordance with the requirements set out in the Good Manufacturing Practices. This certification was made possible by the rigorous quality system at Laboratorios Grifols which guarantees product sterility without the need to carry out additional sterility tests.



GMP

ISO 9001: 2008

FDA

ISO 13485:2012

CE

ISO 14001: 2004

Parametric  
Release

OSHAS: 18001



# Products

Grifols Partnership is specialized in developing and manufacturing high quality sterile solutions and lipid emulsions in a wide range of containers made from a variety of materials in different sizes to suit every need in both the human and veterinary markets.

STERILE SOLUTIONS

LIPID EMULSIONS

MEDICAL DEVICES

PLASTIC COMPONENTS



## Standard range of primary containers

### Small volume glass vials

NEW

Available sizes: from 5ml to 50ml

### Glass bottle (Type I and Type II specifications)

Naturally inert material, totally transparent and recyclable

Available sizes: 100 ml, 250 ml and 500 ml

### Polypropylene bag

PVC-free. Excellent drug compatibility, very flexible and transparent material.

Available sizes: 100 ml, 250 ml, 500 ml and 1000 ml

### Polypropylene 1000 ml bottle

One size, multiple uses

### New PP Bag with Luer Valve

Grifols offers a new port configuration for PP bags. This access port has been specially designed with a safety valve that lets you connect a syringe to add or withdraw solution without using needles. The infusion port is a standard twist-off valve.

Available sizes: 100 ml, 250 ml, 500 ml, 1000ml

Our portfolio also includes products which require careful design and assembly including medical devices and bags for blood storage and collection. We manufacture our products following strict GMP standards and European Pharmacopeia requirements in order to ensure the highest quality of the final product.

We can support you in developing customized containers according your specifications.



New PP Bag with Luer Valve

## Services

- Integrated project management strategy during development and supply of your products. The team involves people from all relevant areas to implementing the new processes and products at the manufacturing sites.
- Our team carefully plans the project and follows it step-by-step keeping you informed every step of the way.
- We have experience in sourcing all the materials needed for manufacturing your sterile solutions from suppliers audited and qualified.

## Technological capabilities

- Aqueous LVP and SVP
- Emulsion technology
- Form Fill Seal (FFS) technology for PP bags.
- Manufacture and filling of oxygen and light sensitive products.
- Manufacturing capabilities are designed to fill-finish sterile solutions and lipid emulsions with terminal sterilization.

WE CAN ALSO OFFER YOU A GLOBAL SOLUTION FOR YOUR ENGINEERING AND MANUFACTURING PLANT

Grifols Partnership and Grifols Engineering ([www.grifolsengineering.com](http://www.grifolsengineering.com)), join their aims and expertise to offer contract manufacturing of any kind of sterile solution or emulsion for injection for human or veterinary pharmaceuticals as well as engineering support in the design and construction of turn-key manufacturing plants for parenteral solutions.



## AUTOMATION



Automated filling of intravenous solutions in glass vials



Automated packaging



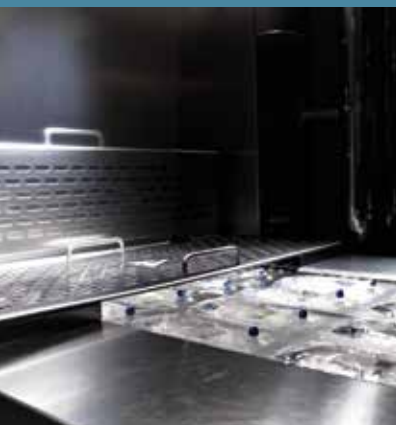
Automated filling of intravenous solutions in PP bags

### Form-Fill Seal lines

Three new Form-Fill Seal lines, two of which are fully automated, have been designed to manufacture 50 ml, 100 ml, 250 ml, 500 ml and 1000 ml, PP bags, and can be adapted to manufacture special sizes depending on customer specifications.



Automated machine for manufacturing protective overwrapping



Automated machine for manufacturing protective overwrapping



Automated overwrapping



Automated robots



## SAFETY



Automated autoclave control room



Autoclave overload



Minimization of cleanroom areas

## QUALITY ASSURANCE



In Process Control  
Analysis in the  
production plants



Automatic particle inspection system  
by artificial vision



Automated inspection of  
components by artificial  
vision



## Our Commitment

Our logistical structure and customer service are devoted to offer our clients a fast and effective service.

Customer satisfaction is our number one priority. We work hard to earn our customer's trust and will strive to become a permanent and strategic partner.

**BETTER TOGETHER**





[www.partnership.grifols.com](http://www.partnership.grifols.com)