



**Contract Manufacturing Services**

Madrid, Spain | Barcelona, Spain | Miami, USA



## Salvat, providing integrated services

- Privately owned pharmaceutical company
- Headquartered in Barcelona, with US subsidiary in Miami
- 70 years of experience in the pharmaceutical industry
- Salvat offers a complete **CDMO services**
- Expertise in **Blow-Fill-Seal technology**
- Manufacturing sites located at Barcelona, Madrid & Miami

# Manufacturing



**SALVAT USA INC.**  
FDA ON-GOING



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**Existing  
and New  
Facility**

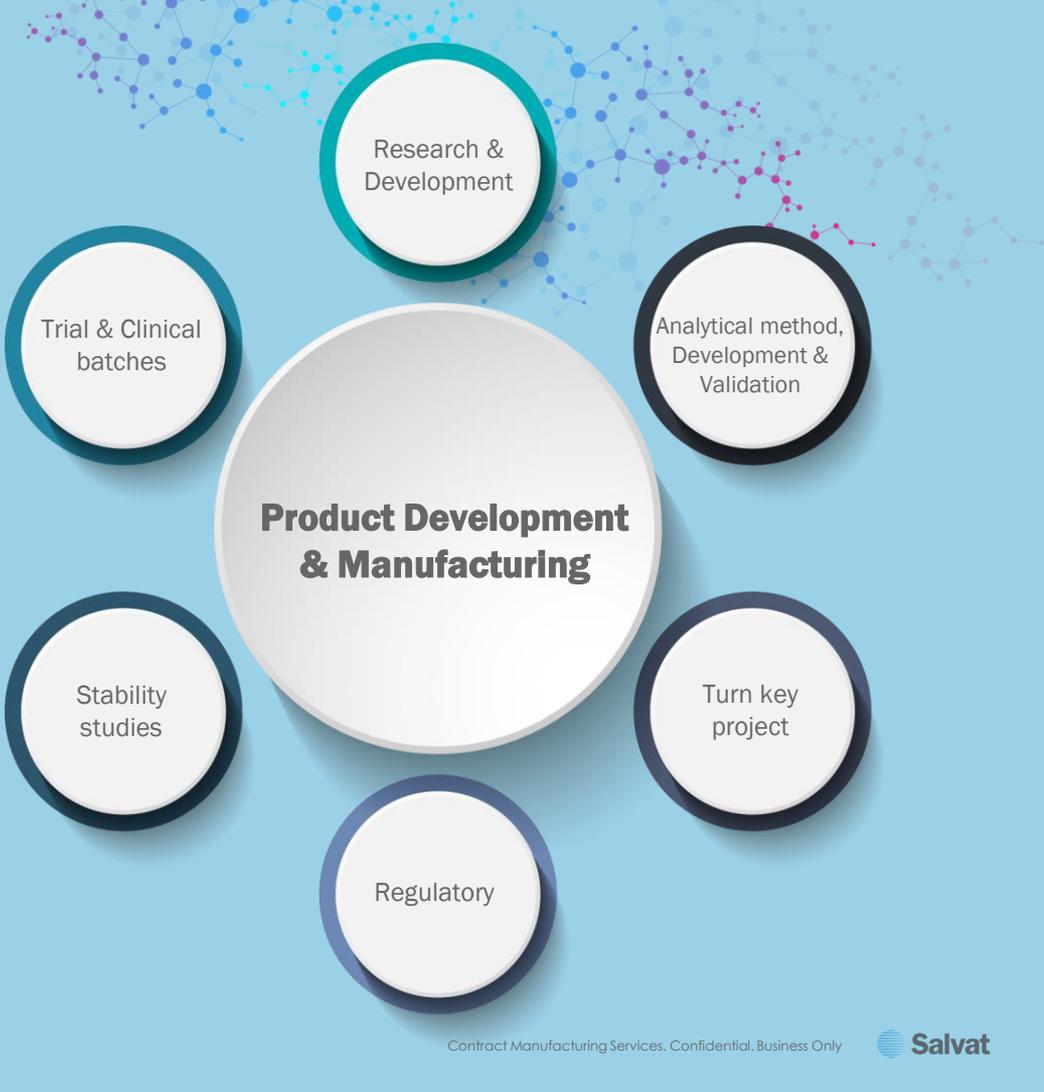
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[Watch video](#)



**Salvat offers a complete CDMO services, equipped with the latest technology**

# Over 30 years of experience in manufacturing pharmaceutical products for different markets

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In Salvat, we understand how important the assurance of supply, regulatory compliance, quality and good manufacturing practices is; in combination with experience.

## **Operational Excellence**

Fully compliant with GMP certified, and FDA certification approved



## **Flexibility**

To manufacture from small batches to meet customer demand



## **Adaptability**

Implementation of your project with short time to market



# Project commercialization phase

Quality: EU approved sites  
Operational excellence program

Lead time: From order to warehouse ready for shipment



**Regular orders:**



**New projects:**



# Wide variety of Dose forms & Packaging capabilities

## **SOLIDS**

### **DOSAGE FORM**

Dry & Wet Powders  
Blending Powders  
Dry & Wet Granulation  
Pellets  
Tabletting  
Tablets Coating  
Sugar Coated Tablets  
Oral Dispersable Tablets  
Hard Gelatin Capsules  
(powders & pellets)

### **PACKAGING**

Sachets  
Blister push through:  
• ALU/PVC  
• ALU/PVDC  
• ALU/TRIPLEX  
• ALU/ALU  
Blister peel off  
• ALU/ALU



## **SEMISOLIDS**

### **DOSAGE FORM**

Gels  
Creams  
Film

### **PACKAGING**

Tube



## **LIQUIDS**

### **DOSAGE FORM**

Solutions  
Nano-emulsions  
Mucoadhesive  
Syrups  
Lotions

### **PACKAGING**

Multi-dose bottle non-sterile  
Multi-dose bottle sterile  
Single-dose vials sterile  
(Blow-Fill-Seal)  
Sprays  
Nebulizer



# Blow-Fill-Seal Technology Solutions & Nanoemulsions



## Advantages



- **Innovation in the format → Differentiation**
- **Single-dose vials → Increased patient compliance**
- **Preservative free dosing → Better tolerability**
- 100% leak test inspection
- **Sterile by filtration (Not irradiated) → clean, safe, and maintain the quality of the finished product.**

**10**  
years

*Over 10 years  
of experience  
in blow-fill-seal  
technology,  
developing  
and manufacturing  
sterile products*

# Blow-Fill-Seal Technology Solutions & Nanoemulsions

New Facility



Existing Capacity

## Technical Specifications

- 7 Blow-Fill-Seal lines (Rommelag technology)
- Over +350 Mio unit ampoule capacity / year
- Fill volume range from 0.20 ml to 15 ml
- Batch size from 50L to 2000L\*
- EU Approved and Future worldwide certifications approval



## Packaging Capabilities

- Fully automated
- Transparend or colored vials
- 100% leak test inspection
- Automated bundling
- Possibility to Flow pack
- Labeled or Engraving vials
- PE (polyethylene) and PP (polypropylene)
- Serialization & Aggregation
- Strips 2,5,7 & 10 vials

# Multi-dose Sterile Solutions



## Advantages



- **Total sterile process** (from weighing raw materials to vial filling) or **Sterile by filtration** (Not irradiated) → clean, safe, and maintain the **quality of the finished product**.
- **Specific container to prevent post-opening contamination\***
- **Innovation of the multiple format** → Differentiation
- **Preservative free\*** → Better tolerability

# Multi-dose Sterile Solutions

New  
Facility  
Capacity

## Technical Specifications

- **Sterile bottle filling line** (Groninger technology)
- **Over 25 Mio/year**
- **Fill volume range from 2 ml to 15 ml**
- **Batch size 50 L – 2000 L\***
- **EU Approved**
- **Future worldwide certifications approval**
- **ATEX formulation capabilities**



## Packaging Capabilities

- **Fully automated**
- **Automatic bundling**
- The bottles are **filling under a laminar flow**
- **HDPE plastic bottles**
- **Tamper evident container**
- **Serialization & Aggregation**
- **Offline leak test**

# Non-Sterile – Multi-dose liquids

Existing  
Capacity

## Technical Specifications



- Over 23 Mio/year
- Fill volume range from 10 ml – 500 ml
- Plastic or glass bottles
- Batch size 50L - 2000L
- Filling under laminar flow
- ATEX area
- Serialization
- EU approved

## Advantages



- Wide range of application devices available
- Robotical filling provides a high output and low setup between products
- Flexibility, quick set up and versatility.



# Commercial capacity

Manufacturing Technologies	Batch Size	Fill Capacity	Annual Capacity
<b>SOLIDS</b>			
<b>Tablets<sup>^</sup></b>	100 – 500 Kg	-	195 Mio
<b>Capsules</b>	100 – 500 Kg	-	100 Mio
<b>Sachets</b>	50 – 250 kg	-	2,6 Mio
<b>SEMI SOLIDS</b>			
<b>Tubes</b>	50-1200L	-	1 Mio
<b>LIQUIDS</b>			
<b>NOT STERILE</b>			
<b>Multi-doses</b>	100 L to 2000L Atex: max 900L	10 ml to 500 ml	23 Mio bottles
<b>STERILE</b>			
<b>Single-dose vials / HDPE</b>	100 L to 2000L*	0,20 ml to 15 ml	350 Mio vials
<b>Multi-doses</b>	100L to 2000L*	2 ml to 15 ml	25 Mio bottles

- Wide range of application devices available
- Serialization & Aggregation
- Flexible manufacturing operation
- EU Approved
- FDA Approved

<sup>^</sup> Coated and not coated / \*Commercial phase minimum batch sizes: Mono-dose 250L & Multi-dose 500L

# Certifications



**Authorized** to manufacture **drugs, medical devices, biocides, food supplements** and **cosmetics**



# Our Current Partners

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Many thanks for your kind attention

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## Contact Us

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