



Pharmaceutical Glass Experts

GLASS CATALOGUE





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ABOUT ALPHIAL

Alphial was born from the merger of SM Pack with Crestani Srl, two companies that have always had deep roots in the primary packaging business for the pharmaceutical, chemical, cosmetic and food sectors.

The company's core business is the production and distribution of primary containers suitable for liquid, fluid or powder products and related services, such as sterilisation.

The high quality of the products, the continuous commitment to research and development, the expanding production capacity and our robust presence on all international markets, are our main advantages in term of competitiveness, growth and name recognition.

Our aim today is to ensure maximum market satisfaction in terms of quality and quantity; therefore, we have decided to invest in new production systems and new control technologies.

 **Alphial**
Pharmaceutical Glass Experts



In total we boast 34 production lines dedicated to ampoules; a fleet of installed machines capable of producing over 2,5 million pieces daily operating 24 hours a day.

For years now, both plants have been ISO 15378 certified.



Our objectives are to ensure maximum product quality, to support our Customers in every phase, from the project groundwork to refining aesthetic details, and to limit as much as possible the impact that our actions, our work method may have on the environment.

The third plant, a production site as well as the group's HQ, produces vials and provides sterilisation and depyrogenation service of glass packs, not only internally produced.

Our machine fleet is constantly evolving and expanding, as it is our pharma department, which can handle up to 200 thousand pieces per day packaged in controlled environment, LAF ISO 5 - class A.

Our modern robotic systems reduce to a minimum the contact between the worker and the product, thus ensuring accuracy, repetitiveness and containment of industrial costs.

A well-equipped chemical and microbiological laboratory guarantees a quality monitoring service with a first-class set up. And our entire plant is ISO 15378 certified.



GEOGRAPHICAL FOOTPRINT

Registered office, production facility, sales offices and warehousing

Alphial Srl
P.le Vecchia Fornace, 6/A
43035 Felino - Parma (Italy)

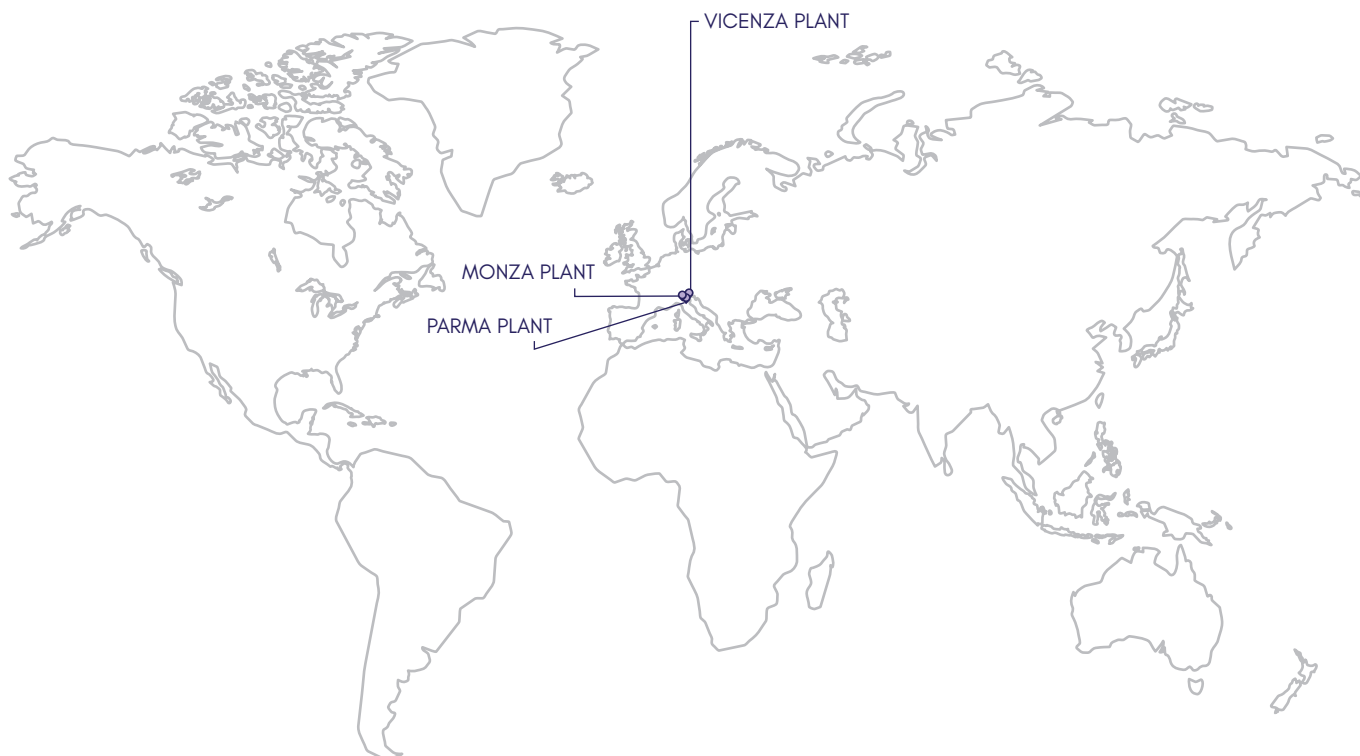
Plants

Alphial Srl
V.le delle Industrie, 14
20881 Bernareggio (MB) - Italy

Alphial Srl
V.le Mocenigo, 12
36066 Sandrigo (VI) - Italy

Logistics and distribution center

Alphial Srl
Via B. Franklin N. 31 - INT. 51
43122 Parma (Italy)



OUR NUMBERS

STANDARD AMPOULES

- Form B
- Form C
- Form D

Customized Ampoules

- Form E (Marzocchi)
- Double bulb

Capacity

- From 1 to 30 ml

Manufacturing capacity

- Up to 2,5 millions ampoules per day

Manufacturing sites

- MONZA PLANT | 14 Lines
- VICENZA PLANT | 15 Lines

OUR LINES ARE EQUIPPED WITH:

- Automatic loading for tubing glass
- Up to 3 code rings
- Colour break
- OPC
- Score break
- Printing
- Camera dimensional checks
- Camera printing checks

STANDARD VIALS

- ISO 13 AND 20
- GL 14, 18, 22
- FEA 13, 15, 18
- SCREW NECK (PFP, EUR)

Customized Vials

- Double snap
- Spray pump
- Blowback

Capacity

- From 1 to 60 ml

Manufacturing capacity

- Up to 300.000 pcs per day

Manufacturing sites

- PARMA PLANT | 8 Lines

OUR LINES ARE EQUIPPED WITH:

- Automatic loading for tubing glass
- Cameras for dimensional checks
- Cameras for cosmetic checks
- Printing
- Cleanroom
- Automatic packaging system
- Equipments for inner coatings
(Ammonium Sulphate, silicone)



THE NEW SERVICE GENERATION

LW7 | **LS5**



PACKAGING INNOVATION: LW7

LW7

**STANDARD PYROGEN FREE
PACKAGING INNOVATION**

LW7/ LS5 VIALS | GIT (Glass In Touch)

- Bulk production
- Washing with WFI - 83°
- Blowed with filtered air (0.20 μ)
- Static oven (min. 60' at 150°)
- Packaging in ISO 7 (in EasyPack) single bag (*)
- Waste reduction after filling
- Laboratory tests reduction
- Preservative free situation
- GMP condition
- Visible and subvisible particle test
- LAL and Bioburden test on WFI

() Fully recyclable.*



PACKAGING INNOVATION: LS5

PACKAGING INNOVATION THINK DIFFERENT, PACK DIFFERENT

LS5 is the result of years of study and research regarding a project that might not be new, but it is anyway different from anything else on the market. LS5 is the one stop shop solution to package your needs.

Why different?

Because different is beautiful. Difference widens the points of view and broadens the number of Customers potentially interested in obtaining a product or a service - in fact - different.

It is different because it makes a sterile and pyrogen free primary packaging available at accessible prices.

It is different because it is always available even in the tiniest quantity and with a wide range of elastometric closures (always in LS5 configuration) and aluminium closures (both standard and flip-off) included in the service.

It is different because it can also be extended to Customer-owned primary packaging, not necessarily produced in our plants.



LS5

**STERILE AND PYROGEN FREE
PACKAGING INNOVATION**





The goal of this service is to go beyond the standard Customer-Supplier relationship by providing something of real value to pharmaceutical companies.

This means lifting the burden of non-core operations and services from those whose business choice is not necessarily washing and sterilising primary containers.

The reason why ought to be evident: a pharmaceutical company and even a small lab need to focus on the patient's health, patients with unique specificity.

A modern primary pack supplier has the duty of offering a service to assist those who must concentrate solely on their Mission: resolving/decreasing patients' health related problems. This is what we intended to do and LS5 is the product resulted from our research.

LS5 guarantees 10^{-12} sterility, prevents EO treatment of containers and reduces up to -40% the packaging's environmental impact (we guarantee that our containers are 100% recycled with the new packback@alphal.eu service).



GLASS AMPOULES



GLASS AMPOULES
TYPE B



GLASS AMPOULES
TYPE C



GLASS AMPOULES
TYPE D



GLASS AMPOULES
TYPE E

GLASS AMPOULES | TYPE B



ISO 9187-1 Shape B

1st Hydrolitical class glass
ø min 10,75/max 22,50
color or score break/code
ring/opc/printing/
ammonium sulphate/silicone

Customizations:

- Silk-screen printed with 1 color.
- Internal and external treatments with silicone.
- Internal treatment with ammonium sulfate.

| | |
|-----------------|---------------------------|
| SKU | Glass Ampoules Type B |
| Standard Colors | Clear glass - Amber glass |
| Ø | min 10,75 / max 22,50 |

GLASS AMPOULES | TYPE C



ISO 9187-1 Shape C

1st Hydrolitical class glass
ø min 10,75 / MAX 22,50
color or score break/code
ring/opc/printing/
ammonium sulphate/silicone

Customizations:

- Silk-screen printed with 1 color.
- Internal and external treatments with silicone.
- Internal treatment with ammonium sulfate.

| | |
|-----------------|---------------------------|
| SKU | Glass Ampoules Type C |
| Standard Colors | Clear glass - Amber glass |
| Ø | min 10,75 / max 22,50 |

GLASS AMPOULES | TYPE D



ISO 9187-1 Shape D

1st Hydrolitical class glass
ø min 10,75 / MAX 22,50
color or score break/code
ring/opc/printing/silicone

Customizations:

- Silk-screen printed with 1 color.
- External treatment with silicone.

| | |
|-----------------|---------------------------|
| SKU | Glass Ampoules Type D |
| Standard Colors | Clear glass - Amber glass |
| Ø | min 10,75 / max 22,50 |

GLASS AMPOULES | TYPE E



Shape E

1st Hydrolitical class glass
ø min 10,75 / MAX 22,50
color or score break/code
ring/opc/printing/silicone

Customizations:

- Silk-screen printed with 1 color.
- External treatment with silicone.

| | |
|-----------------|---------------------------|
| SKU | Glass Ampoules Type E |
| Standard Colors | Clear glass - Amber glass |
| Ø | min 10,75 / max 22,50 |

GLASS VIALS DIN-ISO



**DIN-ISO8362
2R/3R/4R**



**DIN-ISO8362
6R/8R**



**DIN-ISO8362
10R/15R**



**DIN-ISO8362
20R/25R/30R**

VIALS | DIN-ISO8362 - 2R/3R/4R



Customizations:

- Silk-screen printed with 1 color;
- Internal and external treatments with silicone;
- Internal treatment with ammonium sulfate.

| | |
|-----------------|---------------------------|
| SKU | DIN/ISO 8362 - 2R/3R/4R |
| Standard Colors | Clear glass - Amber glass |
| Ø | 16 |
| H | 35 - 40 - 45 |
| ml | 2 - 3 - 4 |

VIALS | DIN-ISO8362 - 6R/8R



Customizations:

- Silk-screen printed with 1 color;
- Internal and external treatments with silicone;
- Internal treatment with ammonium sulfate.

| | |
|-----------------|---------------------------|
| SKU | DIN/ISO 8362 - 6R/8R |
| Standard Colors | Clear glass - Amber glass |
| Ø | 22 |
| H | 40 - 45 |
| ml | 6 - 8 |

VIALS | DIN-ISO8362 - 10R/15R



Customizations:

- Silk-screen printed with 1 color;
- Internal and external treatments with silicone;
- Internal treatment with ammonium sulfate.

| | |
|-----------------|---------------------------|
| SKU | DIN/ISO 8362 - 10R/15R |
| Standard Colors | Clear glass - Amber glass |
| Ø | 24 |
| H | 45 - 60 |
| ml | 10 - 15 |

VIALS | DIN-ISO8362 - 20R/25R/30R



Customizations:

- Silk-screen printed with 1 color;
- Internal and external treatments with silicone;
- Internal treatment with ammonium sulfate.

| | |
|-----------------|----------------------------|
| SKU | DIN/ISO 8362 - 20R/25R/30R |
| Standard Colors | Clear glass - Amber glass |
| Ø | 30 |
| H | 55 - 65 - 75 |
| ml | 20 - 25 - 30 |

GLASS VIALS



**SCREW NECK
FINISH**



**SPECIAL NECK
ON DEMAND**

