

# Plastics Range\*

Flexible Plastic  
for Inflexible security

\*PVC - PUR - PeEBA - Coated fabrics





## Perfect Mastery of Plastic Manufacturing

PiercanTech (formerly Plastunion), a specialist in the design and manufacturing of sealed structures and custom accessories, makes its products from flexible plastic materials. Thanks to an original use of materials rigorously adapted to different situations, our products allow users to work in difficult environments, where the human presence is irreplaceable.



€35 M

Annual Revenues  
for Piercan Group



3

Manufacturing Facilities  
Normandy and Paris in France and  
San Diego in the USA



230

Employees  
in France and in the USA



81

Countries Buy  
Piercan products



**SPECIALIST**

in Flexible Plastic Manufacturing  
catalog or custom products



2000

referenced  
Products

**VARIOUS SECTORS  
OF ACTIVITY**

**5000**  
Listed customers

SECTOR 1  
**Pharmaceutical**  
industry

SECTOR 2  
**Nuclear**  
industry

SECTOR 3  
**Construction**  
industry

# Products **Customized** to your challenges

Whether you are looking for a particular product or a solution that requires the expertise of a specialist in the plastics industry, we offer the right answer. For specific requests, our engineers will accompany you in the development of your customized product. In addition, an extensive catalog of “standard” parts and patterns is available.



## PIERCAN'S **HIGHLIGHTS**



Advice and support



Piercan design office



Material Selection



Prototypes and production series



Large stock of raw materials

## PRODUCT **CUSTOMIZATION**

- Analysis of your specifications by the engineering office
- Advice and service on the use of products
- Choice of material
- Choice of finish (hem, seals...)
- Tool development (patterns, cutting shapes)

A production unit dedicated to the manufacturing of products (prototypes and series).

## AN EXTENSIVE **CATALOG** OF PRODUCTS

For your standard requests, the catalog of the Plastunion range offer a wide selection of flexible plastic structures and accessories. Catalog products are available quickly and at competitive prices.

In addition, we offer you a wide choice of patterns, so you can select the right shape and material for you.



## **ADVICE** AND **EXPERTISE**

Whether custom or catalog parts, we advise you on the development of your product line and its implementation within your production units.

We can also assist you with the expertise, development and qualification of innovative solutions.



**200 000**  
INTERVENTION  
ARTICLES  
per year



**100**  
UNIQUE  
PROTOTYPES  
per year



**25**  
TYPES OF  
TECHNICAL  
SHEETS



**4**  
TYPES OF  
PVC COATED  
FABRICS



**850**  
EXISTING  
PATTERNS

# From design to the **Final Piece**

Based on your requirements, whether it is custom parts or parts from the catalog, Piercan offers you the best solution via a controlled process - design, manufacturing, inspection. Where quality is at the core of all processes.

## DESIGN



- **Engineering Department:** Analyzes your requests and assists you in finding the most suitable solution. The engineering team also plays a role in developing new products in three stages:
  - Choice of material: nature, color, transparency and physicochemical properties.
  - Product development: draw the shape according to the shaping technique.

- Prototyping: form taking and dimensions, creation of drawings, cutting of templates, development of tools, realization.

- **Economic optimization:** the study of solutions adapted to your needs integrates quality factors, delays and production costs, thus facilitating the economic optimization of your project.

## MANUFACTURING



- **Cut**  
For cutting, we use circular blades and vibrating blade scissors.  
Semi-automatic cutting:
  - Cutting in mattress format
  - Cut to size
  - Unit cut to the shape



- **Welding**
  - Manufactured by high frequency welding (chemical bonding of the materials by molecular stirring created by a high frequency field).
  - Technology that guarantees perfect sealing of the assembly.
  - Powerful, extensive welder pool suitable for containment items.
  - Wide range of electrodes.



- **Properties**
  - Compatible with cleaning, decontamination and disinfecting agents.
  - Glovebox and isolator handling welds: strong, flexible, smooth and resilient.

## AVAILABLE MATERIALS



*Crystal or translucent flexible sheets*

### PVC [VINYL POLYCHLORIDE]

M1<sup>(1)</sup> pink quality / M2<sup>(1)</sup> crystal quality / Antistatic crystal quality / Enhanced quality

### PUR [POLYURETHANE]

Non-slip quality / Sliding quality / Antistatic quality

### PeEBA [POLYETHYLENE ETHYLENE BUTYL ACETATE]

*Single-sided coated fabrics*

### LIGHT FABRIC [320g/m<sup>2</sup>] - M2<sup>(1)</sup> QUALITY

Colors: blue / white / red / yellow

### HEAVY FABRIC [580g/m<sup>2</sup>] - M2<sup>(1)</sup> QUALITY

Colors: blue / white / yellow

## THREE-STAGE INSPECTION

We guarantee the quality of our products by supervising every stage of the manufacturing process:



**1 • Incoming inspection** of raw materials and tools along with a check of the dimensions using our production management software.

**2 • Inspection** of the physicochemical parameters by the quality control laboratory and the production parameters by the operators during production.

### 3 • Inspection of the finished product



#### Sealing control

Leak detection (70 to 100 mm CE pressure, 700 to 1000 Pascal).



#### Weld control

Visual check following photo library.



#### Marking

Identification of the inspected part for complete traceability.

PHARMACEUTICAL

HOSPITAL

VETERINARY

RESEARCH

NUCLEAR

FOOD INDUSTRY

## Isolators / Gloveboxes

*Piercan's flexible isolators and gloveboxes fit comfortably in tight spaces within a controlled atmosphere. They can be connected to other containment devices and are interchangeable on new and existing installations.*



They are available with or without structures and accessories.

- 1 • Flexible isolator:** it is a working enclosure with flexible and transparent walls, which offers a panoramic view of the working area. Ideal when protection against materials, sensitizers or chemical compounds is required, it provides respiratory and skin protection.
- 2 • Intervention glove box:** it is a multifunctional flexible wall glovebox made of high quality plastic films. Assembled in a few minutes, it can be used anywhere. Transportable and lightweight, it can meet many needs in the laboratory or in the field, in the nuclear or medical sectors.

### Materials

PVC CRYSTAL PVC PUR EBA/EVA

### Our strengths

- + quick and easy implementation
- + flexibility in use, compatible and adaptable to any installation
- + effective barrier against pollutants and contaminants
- + compatible with cleaning agents and surface decontamination

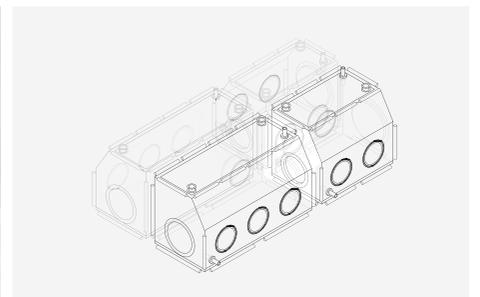
PHARMACEUTICAL

VETERINARY

RESEARCH

## Flexible Isolator for Research

*Designed specifically for biomedical research and animal containment, perfect control of air flow inside the isolator and the quality of the airtight intervention spaces guarantee the protection of animals, products or operators.*



Compared to the rigid isolator, it offers both a great comfort of use thanks to the flexible PVC material and also an economic advantage. It is interchangeable on new or existing installations and **can be combined with the other isolators.**

A wide choice of options will allow you to get a customized product that meets your needs. For example, you can customize the dimensions and also the number of sleeves. And thanks to the transfer port on a stainless steel frame, the entries and exits of the elements of an isolator can be carried out in complete safety without breaking the containment.

### Materials

PVC CRYSTAL PVC PUR EBA/EVA

### Our strengths

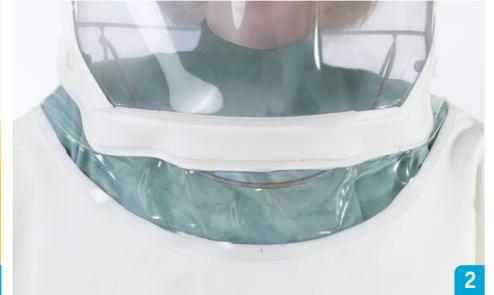
- + a wide choice of options, adaptable to your needs and customized
- + flexibility in use, compatible and adaptable to any installation
- + effective barrier against pollutants and contaminants
- + compatible with cleaning agents and surface decontamination



PHARMACEUTICAL HOSPITAL VETERINARY RESEARCH

## Half-Suits

The half-suit is the extension of the glove-sleeve concept applied to the upper body. This system offers a large area of operation that allows the user to have control of his/her movements.



All models are doubled for ventilation.

- 1 • **Interchangeable helmet:** good optical quality, 360 degree field of vision, prolonged use of the half suit.
- 2 • **Welded helmet:** two front and back visors (for production isolators), good optical quality, 180 degree field of vision.

### OPTIONS

- Two sizes available (large and small)
- Simple fabric or PVC lined fabric
- Different colors

### Materials

- LIGHT FABRIC CALENDERED PVC
- HEAVY FABRIC CRYSTAL PVC

### Our strengths

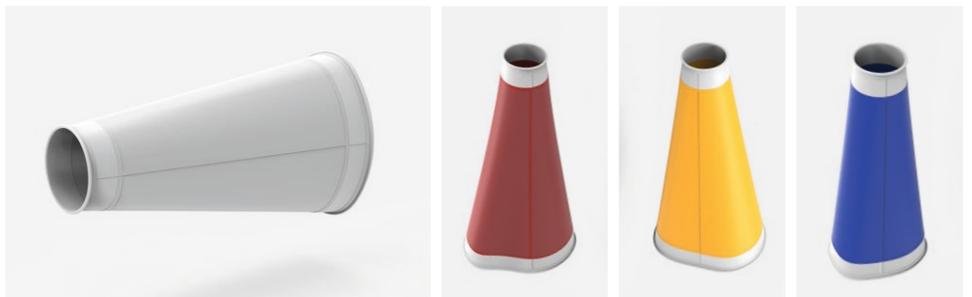
- + great flexibility in uses and manipulations
- + protection of operators, safety of preparations and installations
- + compatible with cleaning agents and surface decontamination



PHARMACEUTICAL HOSPITAL VETERINARY RESEARCH

## Sleeves

The sleeve systems are key to the process of handling inside the isolator and offer the operator ideal ergonomics and freedom of movement.



The combination of a sleeve and glove can be replaced without compromising containment thanks to the "cuff ring and O-ring" connection interface. Our sleeves are available in different materials and sizes.

### OPTIONS

- Two categories of materials: calendered PVC (translucent or transparent) and coated fabrics (different colors)
- Different shapes (straight conic, oblique conic or ovoid)
- Different sizes, lengths and diameters

### Materials

- LIGHT FABRIC
- HEAVY FABRIC CALENDERED PVC

### Our strengths

- + great flexibility
- + effective barrier against pollutants and contaminants
- + protection of operators, safety of preparations and installations
- + compatible with cleaning agents and surface decontamination



EMERGENCY SERVICE

AIR TRANSPORT

HOSPITAL

NUCLEAR

MILITARY

## AirSAS

*The Flexible Airlock Mobile (AirSAS): the structure is fully inflatable and the walls in translucent calendered PVC guarantee perfect transparency. Quick and easy installation and implementation even in the tight space.*



Great flexibility in use and manipulation, compatible and adaptable to any installation. Effective barrier against pollutants and contaminants. The different fields of application of the AirSAS are Emergency service, Air transport, Hospitals, Nuclear, Military...etc

### AirSAS exists in 3 models:

- for standing position
- for lying position
- for sitting position

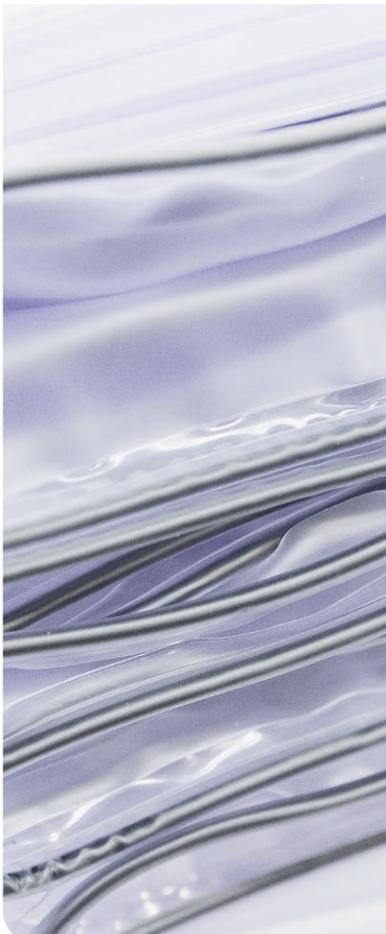
The dimensions and equipment details can be adapted to your needs.

### Materials

PVC CRYSTAL PVC

### Our strengths

- + installation (inflation): 5 minutes
- + easy to carry everywhere thanks to the carrying case
- + effective barrier against pollutants and contaminants
- + compatible with cleaning and decontamination agents of surface



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## Accessories

*Accessories manufactured from flexible and weldable plastics. They can be used for the storage and transfer of materials and substances from one environment to another.*



1



2



3



4

- 1 • **Bags:** for analysis, for garbage, for filter, for transfer (used for storing and transferring objects from one environment to another)...etc
- 2 • **Caps:** four types of caps - cap without flange, cap without flange with seal, cap with flange, cap with flange and seal. All caps can be equipped with soft or rigid accessories.
- 3 • **Connecting bellows:** variable number of bellows (on request).
- 4 • **Sheath** serve as double protection. They are wound on a cardboard roll (70 mm inside diameter).

### Materials

PVC PUR EBA/EVA

### Our strengths

- + flexibility in use and manipulations, adaptable to all equipment
- + effective barrier against pollutants and contaminants
- + compatible with surface cleaning and decontamination agents
- + operator and environmental protection

# Piercan around the world

PIERCAN is a French company and world's leading manufacturer of containment gloves. It has 3 manufacturing facilities across France and the United States and a product distribution network in 81 countries. PIERCAN is capable of fulfilling your requirements of technical parts, regardless of where you are located.



Piercan USA • Factory  
**San Diego**

USA



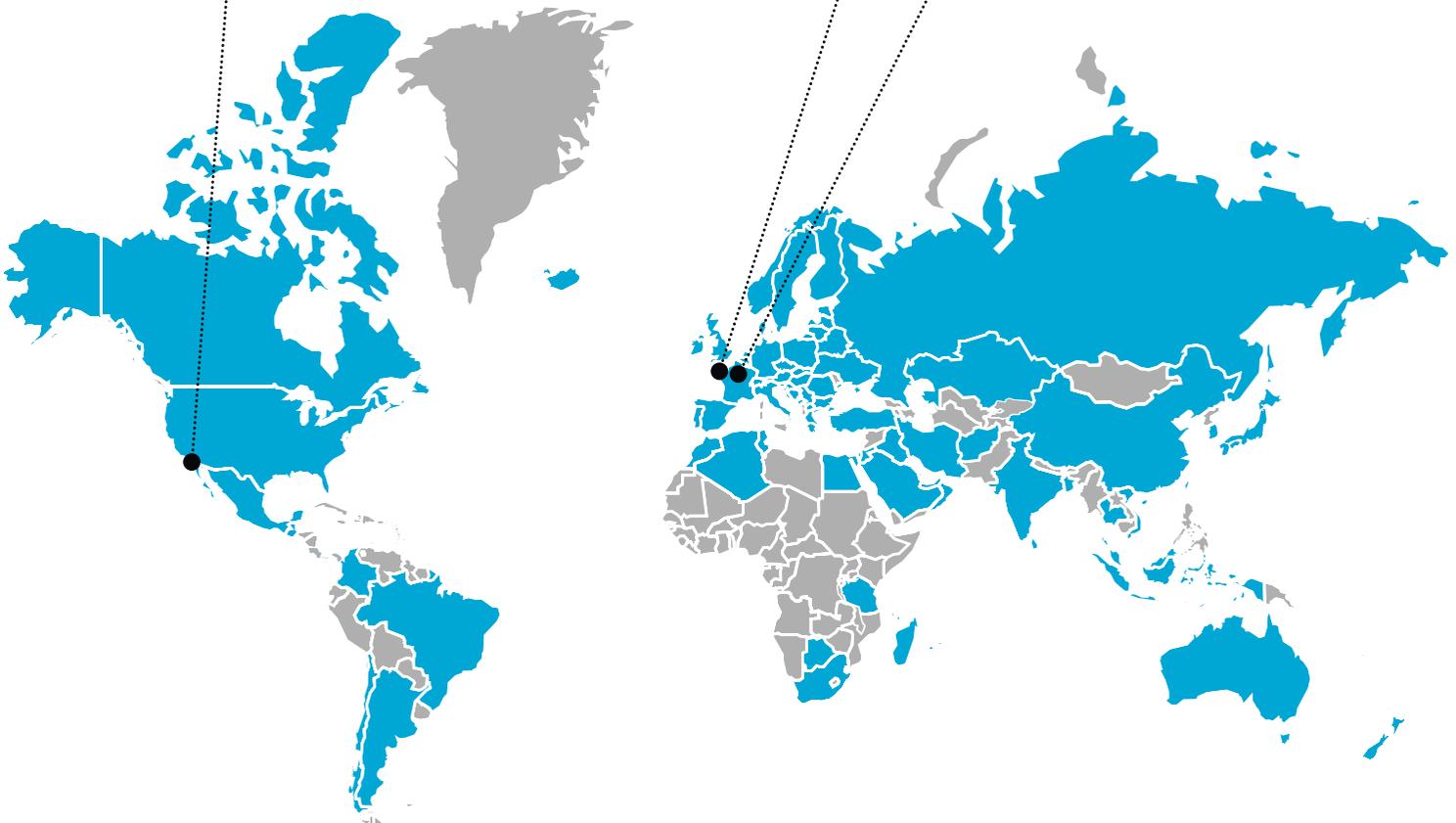
Piercan Head Office • Factory  
**Port-en-Bessin**

France



Piercan Commercial Management • Factory  
**Bondy**

France



■ Piercan products are sold in 81 countries.



## A QUESTION OR IN NEED OF INFORMATION?

Please do not hesitate to contact our sales team by phone or email.  
Piercan's services and products are only one call away:

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