

Containment **STERILE**



FPS
never stops!

FPS *never*

always

Values



Experience

Over the years we grew as one of the largest manufacturers in micronization and containment equipment.

This growth is the result of our ability to listen and understand in depth your process and your needs.

Reliability

You can trust the advice and the assistance of our experts: serving you is our mantra.

Challenges



Flexibility

In a high quality and fast changing industry, we remain flexible during project execution, to respond to new requests from our customers.

Efficiency

Cost and time management is of paramount importance for projects, allowing for fast project execution.

Innovation



Performance

Our performance is the satisfaction our customers have when running our systems at the highest level, day in and day out. We live for that.

Technology

The solutions we supply are driven by our relentless efforts to deeply understand the needs of our customers and their pharmaceutical environment.

Our numbers: **+1500** Installations **+40** Countries

stops!

at your side

Processes



High Containment

Rigid isolator systems for sterile or HPAPI processing are fully integrated with the process to be protected. Well proven solutions are combined with innovative ones, maintaining safety as our first priority.

Micronization

Fluid energy mills are more and more chosen for size reduction of new or established molecules. Derived from optimized experience and specific energy calculation, our jet mills are cutting-edge solutions for pharmaceutical needs.

Hybrid tech

Our processes can be combined together or with other machineries, giving end users the integration required for each specific application.

Customer support

Spare parts

FPS is at the side of its customers even after installation and validation. We offer them a specific service for spare parts. Thanks to the expertise of our team, we are able to provide customized spare parts lists to plan the periodic replacement of wear parts, managing the entire life cycle of the spare parts. FPS strongly suggests to anticipate the purchase of spare parts and avoid that a small issue becomes a big problem.

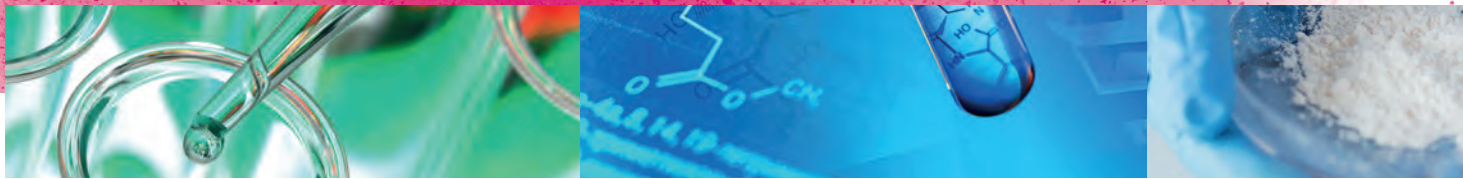
Service

After sales

Fps supports his customers during all the life cycle of their equipment. We offer tailor-made assistance packages designed to constantly support our customers to get the maximum performance of their systems. FPS firmly believes in Preventative Maintenance Programs and works closely with each customer to customize the final scope. These packages also include priority for on-site maintenance visits and a special discount for spare parts.

served **+350** Customers **+20** Years presence

Isolators for aseptic handling



Closed isolators or Restricted Access Barrier Systems are proposed for Sterile applications. A **sterile isolator** allows avoiding the use of sterile cleanrooms, reducing the sterile volume around the process. Turbulent or unidirectional airflows can be adopted for ventilation.

FPS isolators cover the following applications:

- Sterility testing
- Aseptic filling lines
- Vessel charging of sterile products
- Dispensing
- Sterile milling and micronization
- Vessel discharge of sterile products.

Most applications include an integrated decontamination system (VPHP generator).

The **RABS** is the right choice for flexible and secure production in existing cleanrooms. A RABS can be designed as open or closed system (i.e. for toxic products), and can be active or passive. Each RABS is engineered and optimized according to the process requirements.

FPS offers:

- Active RABS, complete with HVAC and T/RH control
 - Passive RABS, with control integration for process machine (filling line)
- Retrofitting of existing units can be achieved in a relatively short period of time.

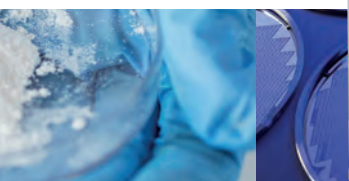
Sterile solutions

Sterility test isolator



Sterile caps





**Sterile
dispensing
Isolator**

RABS solution

discharge isolator



RABS for filling line



Isolator for sterile HPAPI



Sterile API production is possible whenever a sterile environment can be assured during all production steps. Full understanding and integration of all manufacturing steps are necessary to obtain the desired results. Isolation technology maintains the sterile environment around the process with minimal space requirements.

FPS designs isolators for the following API manufacturing processes:

- Filtration and drying
- Filter dryer discharge
- Mechanical screening
- Milling
- Micronization

Hybrid tech

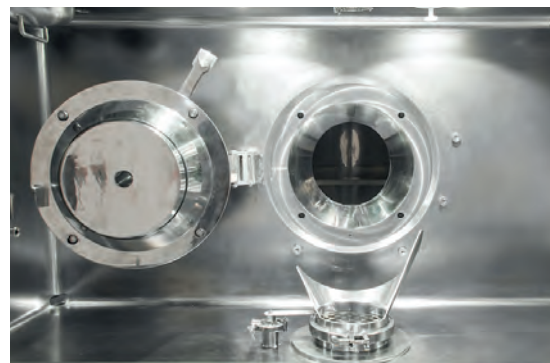
More and more HPAPIs are requested to be manufactured under sterile conditions. The requirements for sterile manufacturing and operator safety and protection can be met by custom designed isolators.



World's 1st Voice Activated Isolator. FPS achieved a technological breakthrough for the containment industry: we made to introduce voice control system for isolators.

Sterile solutions

HPAPI Sterile Dispensing Isolator





Contained Sterile 6" spiral jet mill

PILOTMILL-6: jet mill integrated into isolator for processing sterile HPAPI

Filter Dryer Discharge Isolator





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