

ROBO-TECH



**The new robotic
technology
in isolators**

ROBO-TOX

ROBO-STER

ROBO-TECH Automation,

FPS Robotic Technology: a New Level of Safety & Efficiency

In the dynamic landscape of pharmaceutical processing, the FPS Pharma Isolators with Robotic Arm Technology represent a leap in **innovation, efficiency, and safety**.

These cutting-edge systems redefine the standards for **both aseptic and toxic applications**, guaranteeing product integrity, worker safety, regulatory compliance, and uninterrupted operations.

Say goodbye to maintenance headaches and costly downtimes.

Embrace top efficiency and free operators from repetitive tasks!

Key Advantages

1 - Highest Safety

**2 - Maximum Efficiency:
precise and repeatable
movements.**

3 - Zero Errors



Robotize Processes NOT People!

Energy Saving

The **lightweight robotic arms** and **energy-efficient motors** drive down energy consumption, slashing operational costs. Leveraging harmonic drive motors, these robots sustain **high speeds** through multiple shifts, which is vital for **peak productivity**. Additionally, the motor is designed for efficient handling of heavier loads, reducing strain and **mitigating downtime risks from repairs**.

Unstoppable & Robust

The robots are carefully designed for **uninterrupted operation** with **minimal scheduled maintenance**. This leads to **substantial reductions in maintenance expenses and production downtime** caused by lengthy or frequent maintenance routines. The compact size of the robotic arms coupled with FPS deep design know-how guarantee an optimized footprint for the automated isolator. Furthermore, the robot internal electrical wiring and overhead lines are strategically positioned to prevent any interference with other equipment, thereby eradicating the need for costly replacements due to unwarranted wear and tear.



ROBO-TECH Automation, a New Robotic Era for Aseptic & Toxic Applications!

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**Grade A
GMP compliant
robotic
solutions.**

**Custom
Isolators with
integrated
robotic arms for
top performances.**



**Designed
for seamless
integration
into production
lines.**

**Sanitary
design &
minimum
maintenance
required.**

ROBO-STER

FPS Robotic Isolators for Aseptic Processes

The FPS Robotic Isolators for aseptic processes guarantee precision and consistency, ensuring sterility and minimizing product contamination risks. Rest assured with industry-leading technology safeguarding your aseptic processes. GMP Grade A certified, compliant with quality control standards.

ROBO-TOX

ROBO-TOX, the FPS Technology for Toxic Applications!

FPS brings robotic technology to handle Highly Potent Active Pharmaceutical Ingredients (HPAPIs). ROBO-TOX provides an unrivalled level of protection, ensuring that operators are shielded from hazardous substances at all times. With ROBO-TOX, you can confidently navigate the complexities of HPAPIs processing, knowing that safety is our top priority.

The use of these automated systems not only minimizes the risks of a possible operator exposure to toxic compounds but also will significantly increase process efficiency!

Applications for this FPS Technology

- 1 - Fill-finish lines
 - 2 - Aseptic compounding
 - 3 - Precision weighing and dispensing
 - 4 - Material transfer
 - 5 - Cleaning-in-Place (CIP)
 - 6 - Decontamination of isolators
- And many more!

**We are ready to bring a new level
of efficiency into your processes.**

Your Challenges, Our Solutions!



TOXIC CHALLENGE





Pharma Formula: Passion, Technology, Safety.

FPS is a world leader in custom designing and manufacturing isolators for **Potent and Sterile** applications. Additionally, it offers a **comprehensive range of jet mills and mechanical mills**. Over **1.800** custom systems in operation. A global presence spanning across **45** countries. Fast **assistance** response: within **24** hours.

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