

Sample and Personnel Protection

ROBOTIC ENCLOSURES

ARDENTLY
SAFEGUARDING

Safe

Add robotic or lab automation enclosures from HighRes Biosolutions to your automated workflow system. Our strong, protective enclosures help to prevent harm to your people, samples, and workflows. By doing so, you can avoid losing months of hard-earned data or jeopardizing the health and well-being of your team members.





Versatile



Protection Where and When it Matters

Our positive pressure and negative pressure robotic enclosures offer several protections in an automated workflow process:



Protect people from biological or chemical hazards that can infect or cause harm through inhalation or contact



Protect samples from exposure to contaminants and interferents such as pathogens, debris, and aerosols



Protect people from contacting robot components that can pinch, crush, or otherwise cause injury

Customized Just for You

These aren't off-the-shelf enclosures. Each robotic enclosure is custom built to your specifications and requirements. Overall footprint maximizes available lab space, and access points promote efficiency and convenience for all automated workflow users. Have uniquely specialized requirements? Our automation experts will work with you to find the best possible solution.



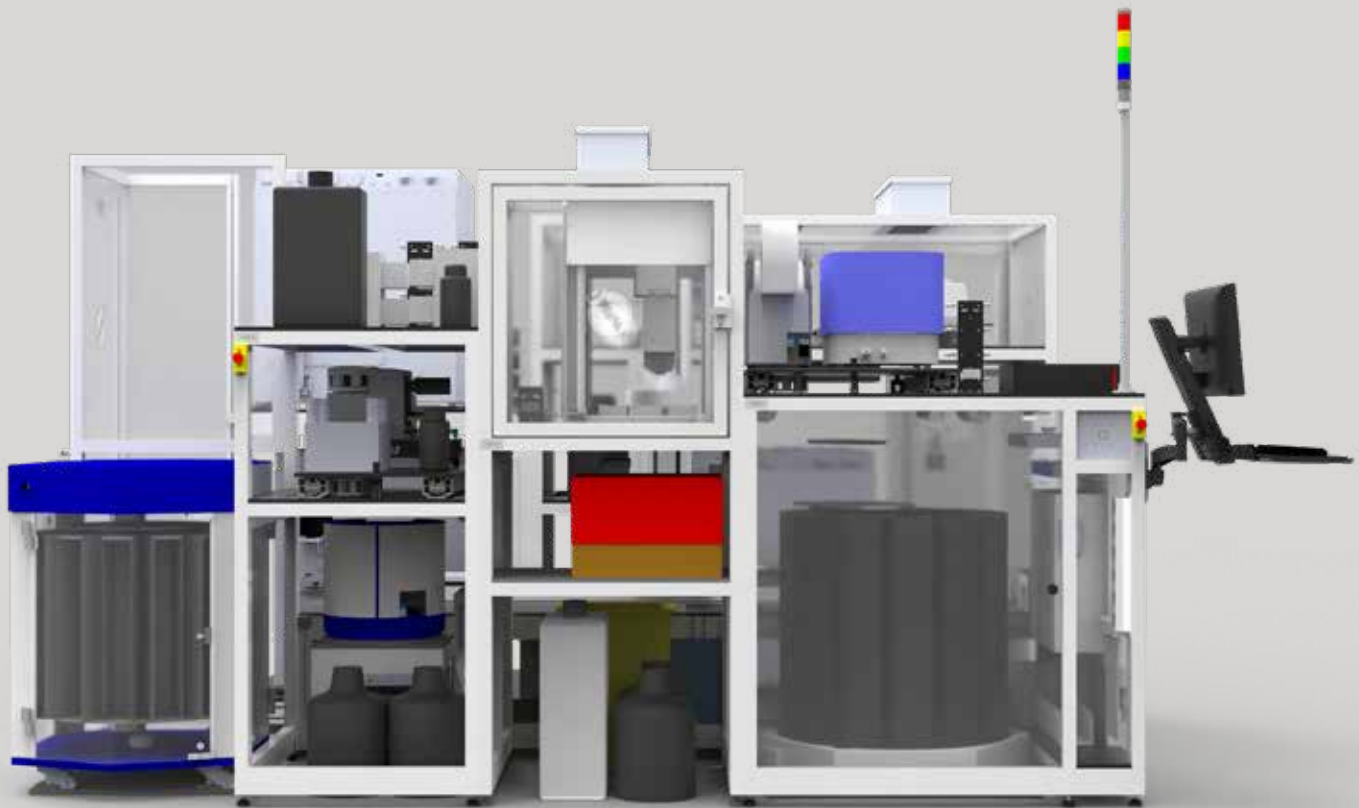
Bringing You One Step Closer to Compliance

These containment barrier systems are one important element of an overall lab design and strategy to meet biosafety level (BSL) requirements and align with other internal quality standards and industry regulations.

Partial or Full Enclosures

HighRes robotic enclosures encapsulate entire automated workflow systems for all-inclusive protection. Or, opt for sub-enclosures to isolate automated liquid handlers or provide focused, local environment control in pertinent portions of a large system.

Expandable



Enduring Defenses

We take a thoughtful approach to extend the life of your automated workflow enclosure. During the design process, we can incorporate measures to ease enclosure expansion in the future as your assay and production requirements evolve.

Options Abound

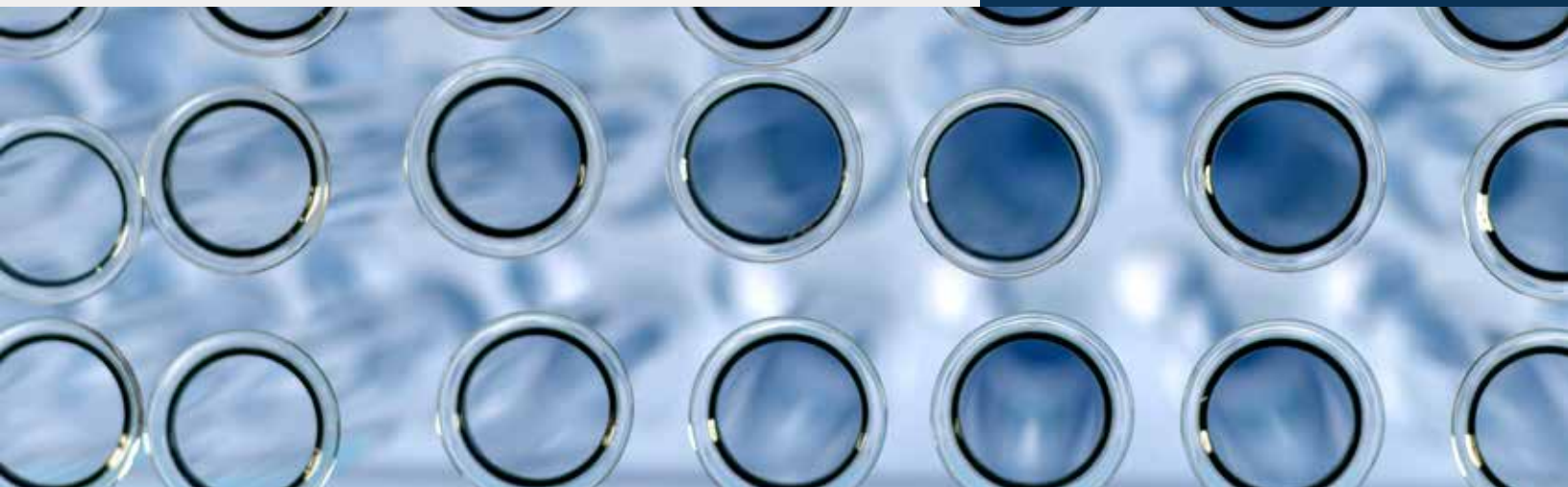
Reap the benefits of multiple robotic enclosure options to maximize your investment.

- Clear or tinted glass
- HEPA, carbon, other filters
- Positive or negative pressure enclosures
- Solid walls, light curtains, and interlocks
- Lighting
- Doors including robot behavior upon door opening
- Panel colors
- Reagent and waste tubing

Enclosure Accessories

Add accessories to further customize your robotic enclosure and amplify productivity.

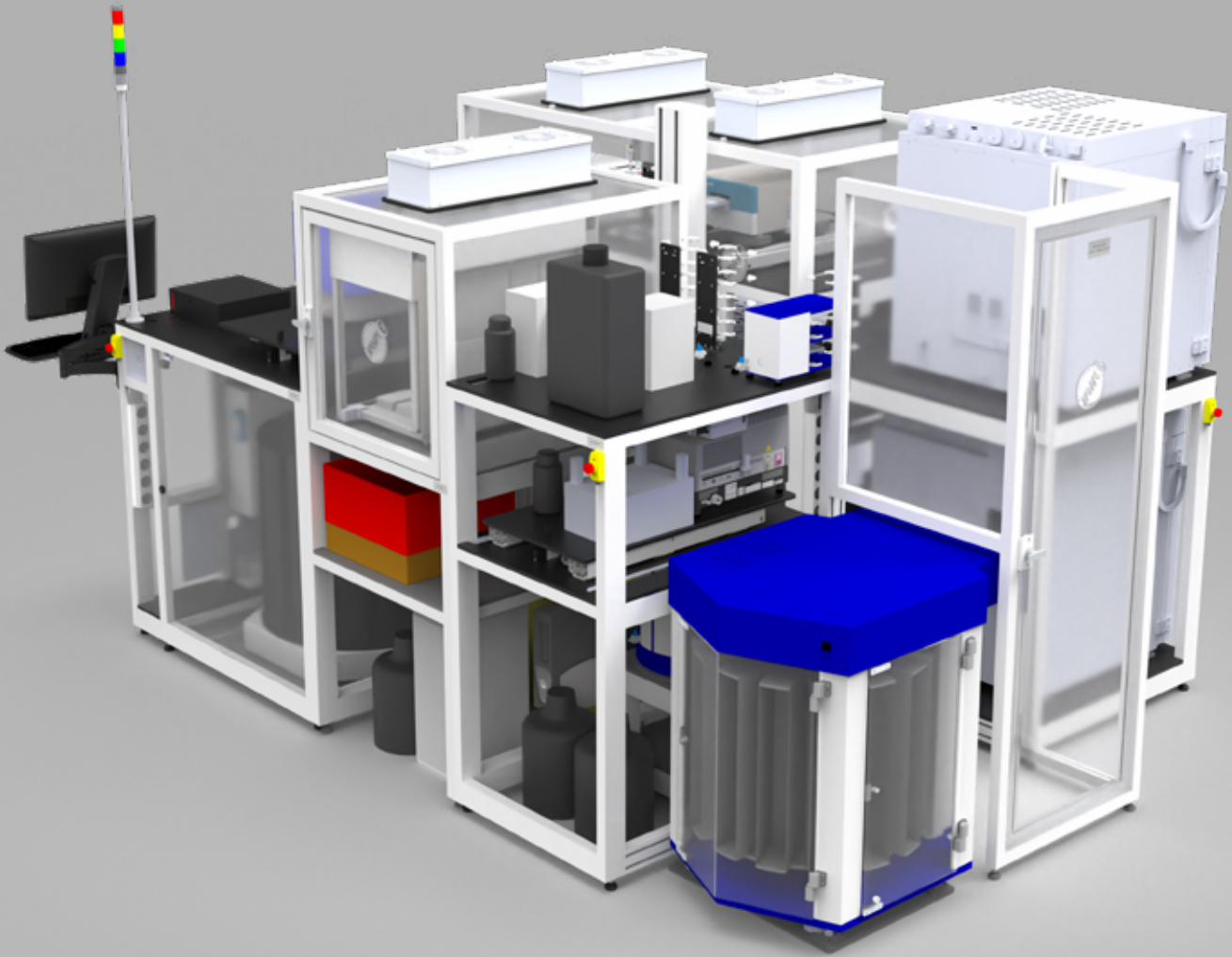
- 1D/2D barcode scanners
- Cameras
- Dead lock resolvers
- E-stops



Contact sales@highresbio.com

or your local HighRes Biosolutions automation specialist
for more information or to schedule a first-class demonstration.

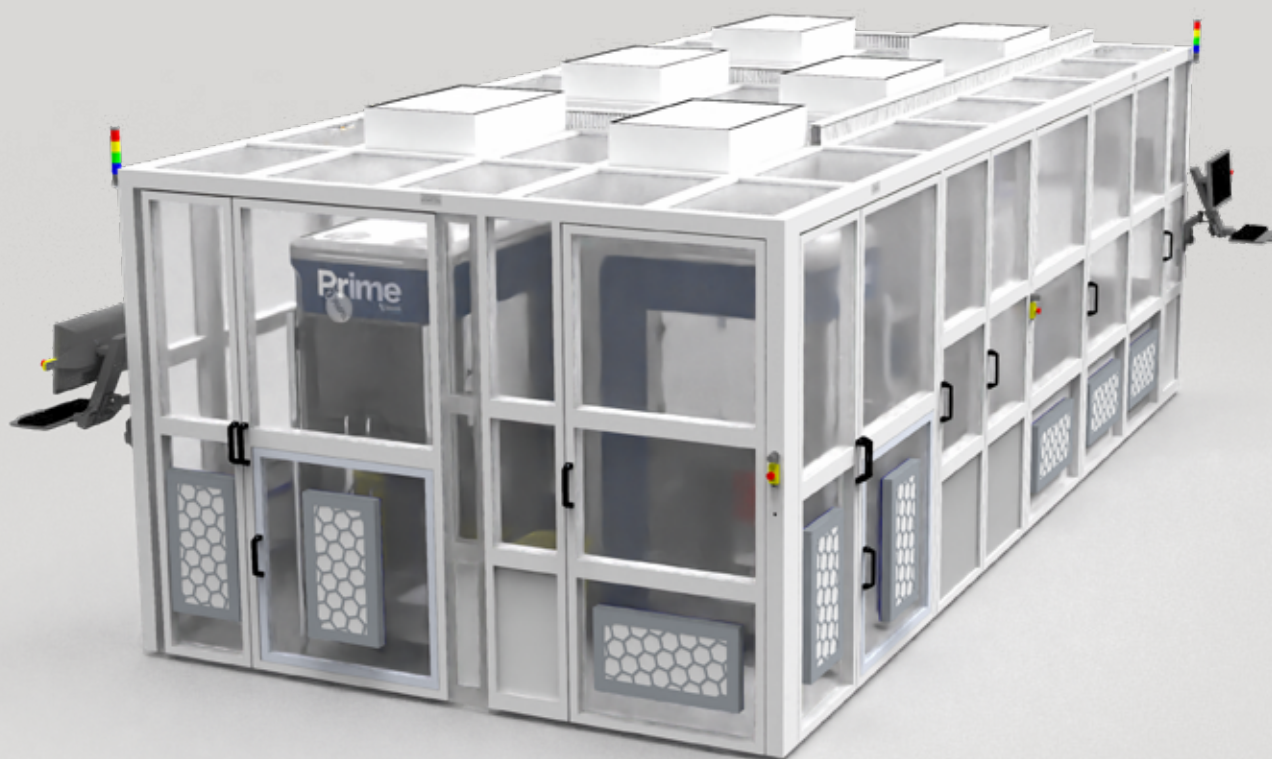
Industry Expertise and Connections



With over 20 years of experience in enclosing automated systems, you can trust HighRes to bring your vision to life. In addition to our direct expertise, our close relationships with leading environmental and safety equipment providers mean that no matter how complex your needs, we can build a strong solution.

Measuring Performance in a BSL-2 and BSL-2+ Environment

Negative pressure enclosures from HighRes pull air into the enclosure through a HEPA filter at an average face velocity of 90-140 linear feet per minute (LFM) and expelled outside the enclosure through a HEPA filter. This meets the Class 1 classification and is sufficient for BSL-2 work.



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