



## Weiss Pharmatechnik features:

# Digital Mock-Up: Virtual Process and Ergonomics Study for Your Isolator.

### Checking Workflows and Processes for Feasibility and Planning the Optimum Ergonomics.

An isolator must be precisely adapted to the required process. At the same time, the workstation should meet the optimum ergonomic conditions to ensure the health and satisfaction of your employees as well as the quality and safety of your products. Traditionally, a realistic model is therefore created first in order to check the accessibility and handling of the equipment. Doing so is complex and requires time, money, and resources. It is also often difficult to test changes or variants without changing or rebuilding the model. In addition to traditional model construction, Weiss Pharmatechnik now offers you an effective alternative for the practical testing of your processes with the Digital Mock-Up (DMU).

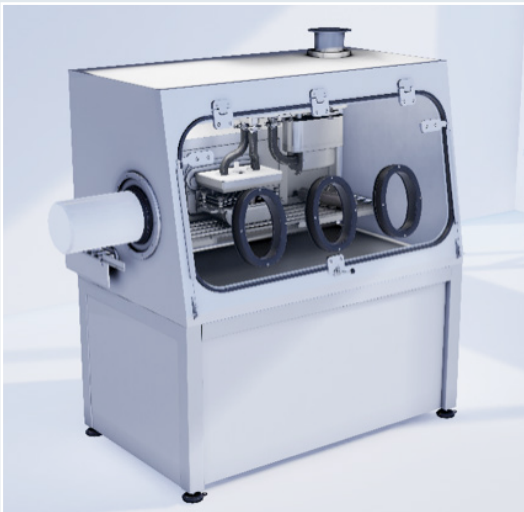
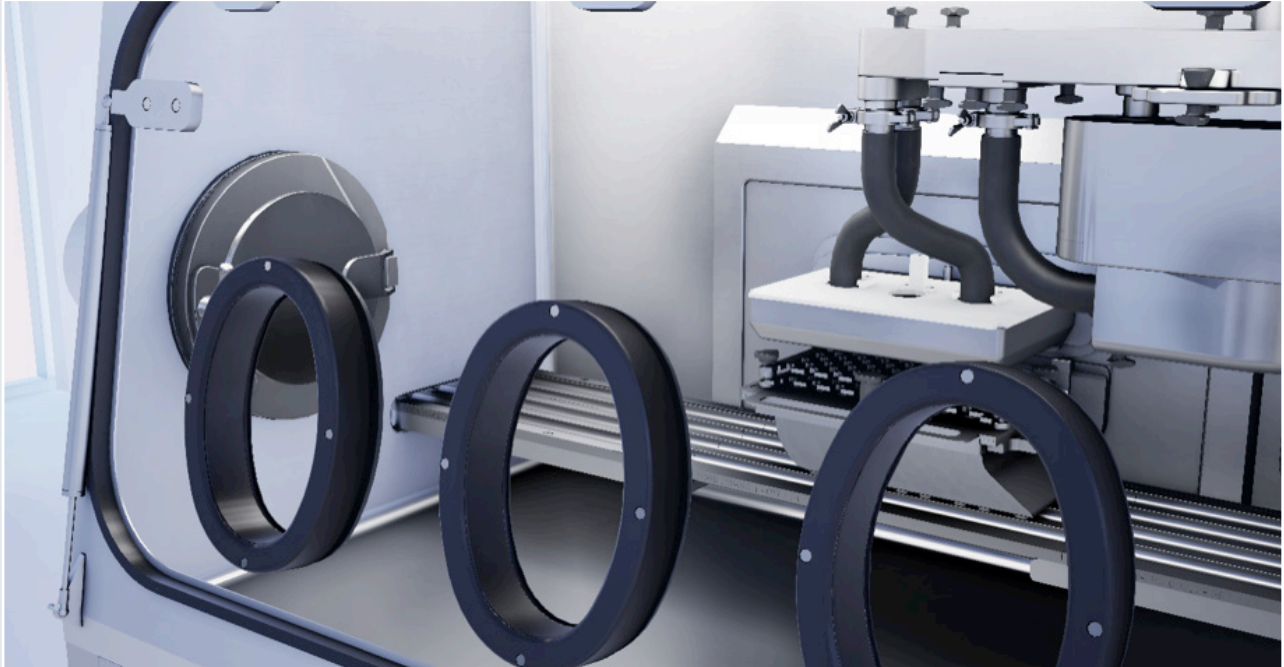
### Efficient Computer Simulation Instead of a Complex Wooden Model.

The DMU is a virtual model of your new isolator. This computer-aided study allows you to quickly and easily simulate and optimize different scenarios and variations. The model contains all relevant geometric and functional properties. You can even integrate your devices and systems to gain an immediate, realistic impression of the future working environment. Simulation using a DMU is more sustainable and saves you costs, time, and materials.

### How Does the Digital Mock-Up Work?

The DMU employs a specialized VR system that is supplemented with a base frame and two gloves for a realistic impression. This allows us to combine the real movement situation with the variable virtual isolator environment of the VR system. The interaction between the employee and the isolator is evaluated according to various criteria, such as field of vision, reach, posture, comfort, and safety, and can be adjusted directly in the virtual isolator model. The unit is portable, so you can carry out the ergonomics test either at our facility or yours.

# Digital Mock-Up: Virtual Process and Ergonomics Study.



Scan this  
QR code for the  
digital version:



## Benefits of the Digital Mock-Up:

- Check the feasibility of an application within an isolator
- Saves time, costs, and material
- More sustainable than a wooden model
- More flexible optimization of the working environment without rebuilding the model
- All geometric and functional properties can be visualized
- Integration of your equipment & systems possible
- Analysis of all relevant criteria, e.g. field of vision, reach, posture, comfort, and safety
- Transportable, so that all employees can test the ergonomics on site

**Weiss Pharmatechnik. Experience Safety.**



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