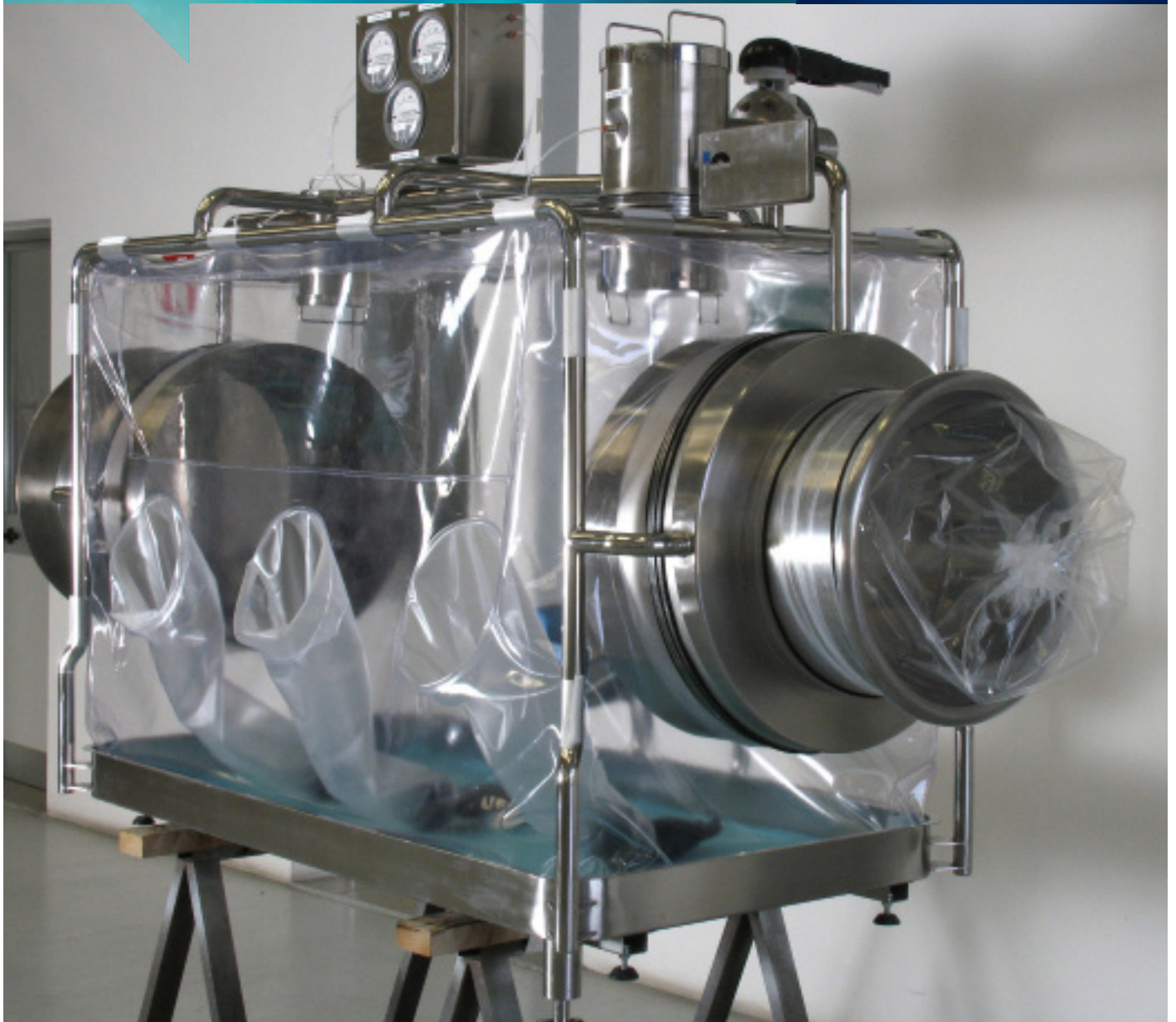


# Isolator Technology Flexible Systems



- Highly suitable for many operations
- Adaptable (flexible and semi-rigid)
- Low cost
- For toxic and sterile processes
- Suitable for fast product changes
- Time and space saving
- GMP Compliant
- Fully mobile
- Ideal for R&D facilities
- High Containment ( $< 1 \mu\text{g}/\text{m}^3$ )



Cost Effective



User Friendly



Modular



Operator Safety



Easy to Clean



Time Saving

# Isolator Technology Flexible Systems



Dec has designed a wide range of versatile and low cost flexible containment solutions such as disposable glove bags, complete flexible enclosures and semi-rigid isolators suitable for many operations whether it be formulation plants including dispensing and granulation or around tablet pressing machines for both R&D and production facilities.

Dec's process integratable flexible range can be used in both toxic and sterile processes. Although not as robust as solid wall systems, they provide an alternative solution to many of today's problems including cleaning and fast product changes.

They are very adaptable and supplied as complete systems with all the necessary access points including glove ports or half suits which are welded into the construction. It is the perfect solution when time is a critical factor. These systems

come fully supported by a simple adaptive framework.

Dec's disposable glove bags perfectly compliment the range of flexible isolators.

Flexible systems have been marketed in relation with many operations, e.g. big bag handling, vessel charging and complementary R&D systems.

When single use is the right option, disposable glove bag systems are the perfect interface for various requirements from taking samples, docking big bags or changing the PTS filter membranes in a safe way. They can be configured as standard or tailor made systems for individual process applications. Main advantages include low cost, adaptability and operation safety.

## Features

- Fully integrated process contain-

ment systems

- Toxic and sterile process integration
- Can work in combination with various DEC devices and production systems
- Can be integrated with continuous liners, airlocks and integrated gloves
- Supplied with or without RTPs, airlocks or gas tight zips
- Fully mobile
- Can be integrated with third party equipment
- Integrated with safe change options
- Optimal visibility
- Rapid installation, minimum validation
- Fast replacement parts
- Low cost, easy to clean or fully disposable
- GMP compliant
- Space saving

## Application examples:



The Flexible Dispensing Isolators are fully mobile bench or floor mounted systems which allow for safe dispensing of toxic or sterile APIs. They also allow for rapid assembly and are adaptable, compact and safe to operate.



The Flexible R&D Micronizing Systems are fully mobile bench or floor mounted systems which allow for safe micronizing and dispensing of toxic or sterile APIs. These systems can be used with Dec's MC DecJet® 30 and 50 spiral jet mill models.



The Flexible Tablet Press Isolators can be accommodated around both toxic and sterile processes. Though not as robust as solid systems, they provide an alternative solution to many of today's problems including cleaning and fast product turn rounds. This is a perfect solution when a containment system needs to be online fast.