EN

Modula CR

Think Vertical, Think Modula

MODULA CLEAN ROOM

THE VERTICAL LIFT MODULE FOR CLEAN ROOMS

Do you work in a clean room environment?
Do you need to prevent **particles from contaminating your products?**

Modula Clean Room is a vertical lift module designed **to store materials inside clean rooms,** protecting goods from contaminants such as dust, dirt and particles.

Most semiconductor Manufacturers, hospitals, chemical, electronic and pharma companies need a storage solution capable of operating **inside clean rooms to prevent contamination of the stored material.**
Whether it is sterile instruments for operating rooms or dust-sensitive components for the production of semiconductors, **Modula Clean Room complies with the ISO 14644 standards and meets classes 6, 7, and 8.**

Modula Clean Room is available in a variety of configurations to meet the specific needs of your industry and application.

**ENSURES MINIMAL QUANTITY OF PARTICLES IN THE AIR.
IDEAL FOR THE PHARMACEUTICAL OR FOOD SECTOR.**

PROTECTING YOUR PRODUCTS SETTING NEW STANDARDS FOR CRITICAL SECTORS

To maintain the lowest amount of particles in the air, Modula Clean Room:

- **Operates** within your designated cleanroom class without compromising its integrity.
- **Minimizes airborne particles,** ensuring the integrety and safety of your products.
- **Prevents the contamination** of the stored material.
- **Limits the production** of dust by the storage system during its operation.
- **Reduces the build-up** of existing dust deposits within the clean room that may enter the storage unit.

Like all Modula Lift Systems, the Modula Clean Room features:

- A **robust structural frame** that securely houses all trays, ensuring stability and long-term reliability.
- **Central elevator system** that retrieves and delivers trays at operator height, optimizing workflow and minimizing manual effort.
- **One or more operator bays,** providing convenient and ergonomically access to stored materials.

TECHNICAL FEATURES

Unit Height: from 2,900 mm to 16,100 mm
Height increments: 200 mm
Tray adjustment pitch: 25 mm

Tray width: from 1,500 mm to 4,100 mm
Tray depth: 654 mm - 857 mm
Net tray payload: 250 - 500 - 750 - 990 kg
Net total payload: from 40,000 kg to 80,000 kg (depending on the configuration)
Gross total payload: from 50,000 kg to 90,000 kg (depending on the configuration)

Throughput: up to 120 trays/hour (depending on the configuration)
Operator interface: industrial console with 10.4" touch screen (Copilot)

Bay type: internal
Maximum product height: 695 mm (S bay)

CLEAN ROOM MODELS

ME - MED

1,917 mm

Model	Tray width *(mm)*	Tray depth *(mm)*	Tray wall height *(mm)*	Net tray payload *(kg)*	Unit footprint with INTERNAL bay (Width x Depth mm)	Unit footprint with EXTERNAL bay (Width x Depth mm)
ME25	1,500	654	45/70/120	250	1,917x2,556	1,917x3,246
ME25D	1,500	857	45/70/120	250	1,917x3,165	1,917x4,058
ME50	1,500	654	70/120	500	1,917x2,556	1,917x3,246
ME50D	1,500	857	70/120	500	1,917x3,165	1,917x4,058
ME75	1,500	654	70/120	750	1,917x2,556	1,917x3,246
ME75D	1,500	857	70/120	750	1,917x3,165	1,917x4,058
ME1000	1,460	654	70/120	990	1,917x2,556	1,917x3,246
ME1000D	1,460	857	70/120	990	1,917x3,165	1,917x4,058

MA - MAD

2,317 mm

Model	Tray width *(mm)*	Tray depth *(mm)*	Tray wall height *(mm)*	Net tray payload *(kg)*	Unit footprint with INTERNAL bay (Width x Depth mm)	Unit footprint with EXTERNAL bay (Width x Depth mm)
MA25	1,900	654	45/70/120	250	2,317x2,556	2,317x3,246
MA25D	1,900	857	45/70/120	250	2,317x3,165	2,317x4,058
MA50	1,900	654	70/120	500	2,317x3,165	2,317x4,058
MA50D	1,900	857	70/120	500	2,317x2,556	2,317x3,246
MA75	1,900	654	70/120	750	2,317x2,556	2,317x3,246
MA75D	1,900	857	70/120	750	2,317x3,165	2,317x4,058
MA1000	1,860	654	120	990	2,3176x2,556	2,317x3,246
MA1000D	1,860	857	120	990	2,317x3,165	2,317x4,058

MC - MCD

2,917 mm

Model	Tray width *(mm)*	Tray depth *(mm)*	Tray wall height *(mm)*	Net tray payload *(kg)*	Unit footprint with INTERNAL bay (Width x Depth mm)	Unit footprint with EXTERNAL bay (Width x Depth mm)
MC25	2,500	654	45/70/120	250	2,917x2,556	2,917x3,246
MC25D	2,500	857	45/70/120	250	2,917x3,165	2,917x4,058
MC50	2,500	654	70/120	500	2,917x2,556	2,917x3,246
MC50D	2,500	857	70/120	500	2,917x3,165	2,917x4,058
MC75	2,500	654	70/120	750	2,917x2,556	2,917x3,246
MC75D	2,500	857	70/120	750	2,917x3,165	2,917x4,058
MC1000	2,460	654	120	990	2,917x2,556	2,917x3,246
MC1000D	2,460	857	120	990	2,917x3,165	2,917x4,058

MX - MXD

3,517 mm

Model	Tray width *(mm)*	Tray depth *(mm)*	Tray wall height *(mm)*	Net tray payload *(kg)*	Unit footprint with INTERNAL bay (Width x Depth mm)	Unit footprint with EXTERNAL bay (Width x Depth mm)
MX25	3,100	654	45/70/120	250	3,517x2,556	3,517x3,246
MX25D	3,100	857	45/70/120	250	3,517x3,165	3,517x4,058
MX50	3,100	654	70/120	500	3,517x2,556	3,517x3,246
MX50D	3,100	857	70/120	500	3,517x3,165	3,517x4,058
MX75	3,100	654	70/120	750	3,517x2,556	3,517x3,246
MX75D	3,100	857	120	750	3,517x3,165	3,517x4,058
MX1000	3,060	654	120	990	3,517x2,556	3,517x3,246
MX1000D	3,060	857	120	990	3,517x3,165	3,517x4,058

ML - MLD

4,517 mm

Model	Tray width *(mm)*	Tray depth *(mm)*	Tray wall height *(mm)*	Net tray payload *(kg)*	Unit footprint with INTERNAL bay (Width x Depth mm)	Unit footprint with EXTERNAL bay (Width x Depth mm)
ML25	4,100	654	70/120	250	4,517x2,556	4,517x3,246
ML25D	4,100	857	70/120	250	4,517x3,165	4,517x4,058
ML50	4,100	654	120	500	4,517x2,556	4,517x3,246
ML50D	4,100	857	120	500	4,517x3,165	4,517x4,058
ML75	4,100	654	120	750	4,517x2,556	4,517x3,246
ML75D	4,100	857	120	750	4,517x3,165	4,517x4,058
ML1000	4,060	654	145	990	4,517x2,556	4,517x3,246
ML1000D	4,060	857	145	990	4,517x3,165	4,517x4,058

OPTIONS

LED bar

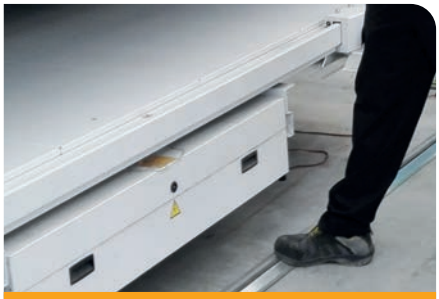
Alphanumeric bar

Laser Pointer

1D or 2D barcode Reader

EKS Reader

RFID Reader



Foot bar task complete

End Picking Button

ESD protection system

Weight distribution plates

Counting scale

Label printer

Barcode reader

Modula Green

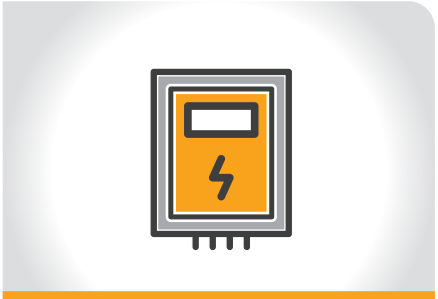
Fire-fighting system

Picking cart

0 °C

Picking station

Sprinkler predisposition



Remote electrical panel

MODULA WORLD

Modula is present in 5 continents with dealers and branches located in over 50 countries

CLEAN ROOM / DECEMBER 2023

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