

Complies with
ISO 14 644



SBM

Modular cleanroom and mini-environment

No structural work

No change to the existing building

Quick to erect

36 m² to ISO 5 erected in 12 hours

Dedicated engineering department

Every module designed by our engineers

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

PURPOSE

The **modular cleanroom** and **mini-environment** concept answers a growing need among manufacturers and research laboratories: to improve air quality **without any major change to the existing building**.

Where a traditional cleanroom means structural work, permits and downtime, the SBM is built inside an existing room and can be taken down if the activity changes.



KEY FEATURES

- **Assembly of technical extrusions**
- **Every module designed** — by our engineering department
- **Rigidity, ease of assembly, modularity**
- **Delivered as a kit** — delivery, assembly of the extrusions, erection of the structure
- **Vinyl curtains**
- **Flush lighting**
- **Filtration units** — terminal units or FFUs
- **Dedicated control panel** — ventilation and lighting on/off, speed control

APPLICATIONS

- Optical industry
- Microelectronics
- Pharmaceutical
- Research laboratories
- Optical assembly
- Precision engineering

A twelve-hour build

A 36 m² SBM to ISO 5 was erected in twelve hours. Every project is followed by the engineering department from the quotation onwards, and drawings are issued for approval before anything is made.

■ OPERATING PRINCIPLE

The whole work area is swept by filtered and/or sterile air. By virtue of its velocity, this flow creates a **positive pressure** relative to the surrounding room and forms a barrier against outside particles.

The class achieved depends on the density of units in the ceiling: from ISO 7 for a packaging area to ISO 5 for optical assembly or a sterile zone.

■ DESIGN DETAILS

T-BAR system

A suspended ceiling designed exclusively for cleanrooms. The aluminium extrusions, anodised or epoxy-painted, carry a metric thread along their whole length, so that every mounting accessory can be screwed on — cross-piece, omega bracket, fixing lug.

Savings on preparatory work

The thread running the whole length allows the omega bracket to be fixed at the best point to reach the concrete slab. This often saves fitting a secondary frame and makes it easy to avoid obstacles on site: ducts, cables and service runs.

Computerised management

IGEL ECM DC fan filter units allow central management from a PC. A network bus links the units to one another and back to the workstation, with the option of remote management over the internet.

Self-supporting construction

The T-BAR ceiling can be hung from the SBM structure itself, with no fixing to the building — useful where the slab cannot be drilled.

AVAILABLE OPTIONS

Pressure gauge

Running indicator on each FFU

Velocity display

Doors and airlocks

Flush or surface-mounted lighting

Central management from a PC

Remote management over the internet

DIMENSIONS AND SPECIFICATIONS

Specification	Modular cleanroom
Design	Made to measure — drawings issued for approval before manufacture
Structure	Assembly of technical aluminium extrusions
Ceiling	T-BAR system, anodised or epoxy-painted extrusions
Filtration	Terminal units or FFUs — G4 pre-filter and H14 HEPA filter
Classes achieved	ISO 5 to ISO 8 depending on unit density
Control	Dedicated control panel, central management optional

Dimensions and configuration to order. Please consult our engineering department.

INF-COM-30 Rév1 — Not a contractual document. We reserve the right to modify the specifications of our products without notice.

DOCUMENTS SUPPLIED ON DELIVERY

- Certificate of conformity
- Warranty certificate
- User manual in English

Commissioning and maintenance are carried out by ADS Laminaire, the manufacturer, throughout France and Europe.

OUR COMMITMENT

Engineering, manufacturing, test laboratory and after-sales service, all under one roof at our Aulnay-sous-Bois site.

A company certified **ISO 9001:2015** since 2008 and awarded the **NF 095** label since 1997. The first French company to specialise in laminar flow, since 1968.