

Manufacture and fitting of standard,
modular or custom-made furniture



Cleanroom
furniture



Airlock
layout



Specialised
design office



Custom-made
in France



CLEAN AND STERILE
PROCESS
ENGINEERING



A company of the group

SYNEXIN
OUR EXPERTISE SYNERGY
FOR YOUR PROCESS ENGINEERING

To meet all the needs of the cleanroom and controlled environment market, **STERIGENE** can manage multiple interventions throughout customer projects. **Our goal is to be your single point of contact and deliver turnkey projects.**

With over 30 years of experience, STERIGENE is an expert in designing, supplying and installing **cleanroom furniture** and in the design, manufacture, **layout and fitting of airlocks for cleanrooms.**

ISO 9001-certified since 1994, STERIGENE's quality approach is synonymous with efficiency and safety. It guarantees a **consistent level of quality in our processes, products and services.**

SUMMARY

1. Design materials	p. 3
> Stainless steel, melamine, laminate, Compact HPL laminate, solid surface	p. 3
2. Furniture for cleanrooms	p. 4
> Our expertise in cleanroom furniture	p. 4
> Overall layout : cupboards, sinks, benches...	p. 4
> Shelves and trolleys	p. 6
> Accessories and small equipment	p. 6
3. Furniture for staff airlocks	p. 7
> Manufacture of customised cleanroom airlocks	p. 7
> Staff airlock assembly furniture	p. 7
> Study, 3D modeling, manufacturing and installation : changing rooms, wardrobes, ASPEC benches, sinks, dispensers and accessories	p. 8
4. Additional furniture	p. 9
> Seats and chairs	p. 9
> Laboratory furniture : safety cabinet, recirculating fume cupboard...	p. 10
> Visual inspection table / Blacklighting table	p. 11

Standard or custom-made furniture for cleanrooms, laboratories and airlocks

The choice of **furniture in clean and sensitive environments** must allow cleanroom and laboratory operators to benefit from **optimal ergonomic working conditions** while respecting the **contamination control** process in ultra-clean areas.

This is why STERIGENE **recommends, supplies and installs** a range of ergonomic, stable and durable products from recognised partners specialising in **cleanroom and laboratory furniture.**

STERIGENE is also a **manufacturer and installer of airlock furniture for cleanrooms.** Our design office studies and creates custom-made plans with optimised design and delivery times.

Discover our range of furniture for cleanrooms, laboratories and airlocks.

1 • Design materials

AISI 304 / AISI 316 stainless steel

Easy to maintain and with **good chemical resistance**, stainless steel allows for a **seamless surface** construction, guaranteeing **absolute safety** with no sharp edges or dangerous areas. This material is perfectly suited for **laboratories and cleanrooms**.



Technical details :

A metallic material composed of various alloying elements. The main element is iron with the addition of nickel and chromium for AISI 304. AISI 316 also contains molybdenum.

Melamine

Easy to maintain and **resistant to cracks, scratches and chemicals**, melamine is **good value for money**.



Technical details :

Material composed of agglomerated wood particles and two sheets of paper coated with a thermo-bonding resin.

Laminate

Laminate has the advantage of **greater impact and scratch resistance**, making it ideal for **surfaces exposed to friction**.

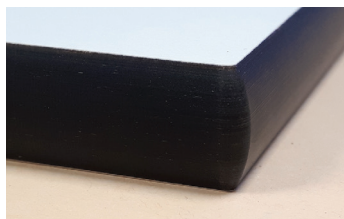


Technical details :

Material composed of a stack of kraft paper sheets embedded in thermosetting resin and covered with a decorative sheet protected by a very resistant coating. This is then laminated at low pressure.

Compact HPL laminate

With the same advantages as conventional laminate, compact HPL laminate **completely prevents particle dispersion**. It is the perfect solution for **classified areas** and wet and **impact-prone areas**.



Technical details :

Material composed of a stack of kraft paper sheets embedded in thermosetting resin and covered with a decorative sheet protected by a very resistant coating. This is then compressed at very high pressure and high temperature.

Solid surface

Resin furniture's properties are **identical at their core and on the surface**. Impervious to moisture, highly resistant to chemicals and available with an M1-level fire classification, this material is mainly reserved for **moulded wash basin tops and wet benches**.



Technical details :

Mineral material, bonded by a polyester resin, with a completely uniform and non-porous consistency.

WE CAN PROVIDE A FIRE CLASSIFICATION FOR ALL OUR MATERIALS ON REQUEST.

	Stainless steel	Melamine	Laminate	Compact HPL Laminate	Solid surface
Moisture resistance*	****	*	**	****	****
H ₂ O ₂ resistance	****	****	****	****	****
Particulate release	****	*	*	****	****

*Melamine and laminate: moisture resistant on request or as an option.

2 • Furniture for cleanrooms

Our expertise in cleanroom furniture

SPECIALIST PARTNERS

Controlled environments are subject to numerous and extremely precise specifications. For more than 30 years, **STERIGENE** has developed and capitalised on its expertise, which it shares with its rigorously selected supplier partners to offer you the **best value for money**.

LET'S BUILD YOUR PROJECTS TOGETHER

By discussing your needs with you, we can offer you **solutions for the supply and installation** of cleanroom furniture that is **perfectly suited to your environment and your requirements**.

STERIGENE is certified ISO 9001 since 1994 :
The realization of projects and high quality associated services in partnership with our suppliers and qualified personnel are at the heart of our concerns.

Overall layout

> CUPBOARDS AND WARDROBES



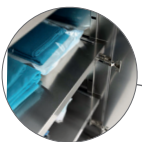
Single-door cupboard

In AISI 304 stainless steel, with one hinged door and adjustable shelves.



Cupboard with sliding doors

In AISI 304 stainless steel, with two sliding doors and adjustable shelves.



Two-door cupboard

In AISI 304 stainless steel, with two hinged doors and adjustable shelves.



Cleaning cupboard with hinged door

In AISI 304 stainless steel, with hinged door on removable hinges and with key lock.



> BENCHES AND WORKTOPS



Bench with wheels

Frame and worktop in AISI 304 stainless steel with backsplash and 4 anti-track, antistatic swivel castors...



Desk

In AISI 304 stainless steel, cabinet with drawers, 1-door base cabinet and computer tower support.



Storage cabinet

In AISI 304 stainless steel with backsplash, 1 hinged door, 2 sliding doors and drawer module, adjustable internal shelf.



Customisable complete frame

Our entire range of benches and worktops is made of AISI 304 stainless steel with a polished finish (Scotch-Brite) and can be customised with special finishes to meet your specific requirements.

> BUILT-IN BASE UNITS



Mobile cabinet with 2 hinged doors

In AISI 304 stainless steel, with a hinged door on removable hinges and 4 swivel castors.



Mobile cabinet with 2 drawers

In AISI 304 stainless steel, full-extension drawers. Top surface with sandwich construction and round steel handle, on 4 swivel castors.



Modular cabinet

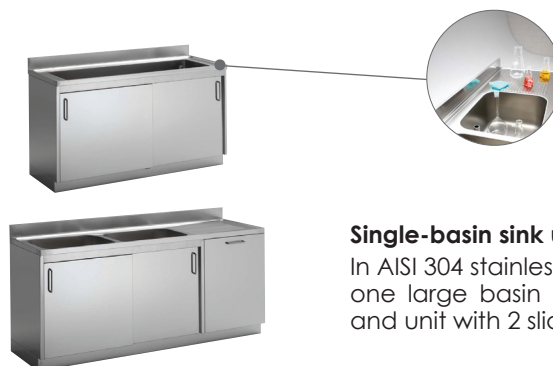
In AISI 304 stainless steel, combining functionality and flexibility, with anti-drip system and ergonomic handles.

> SINKS



Enclosed sink

In AISI 304 stainless steel, with backsplash, 1 basin with radiused corners and ribbed draining board, 3-sided enclosure.



Single-basin sink unit

In AISI 304 stainless steel, with one large basin or 2 basins and unit with 2 sliding doors.

> HAND BASINS



Hand basin with knee control



Hand basin with knee control and storage cabinet

Shelves and trolleys

> SHELVES

Our shelving range is modular, sturdy and versatile.

Patented, self-locking system for quick and easy assembly by a single operator without screws or tools. Four types of fastening are available to personalise your spaces: linear, angled, 180° or 360°.



Perforated stainless steel tray



Washable perforated polypropylene tray



Shelving with dividers



Storage with wire basket and stainless steel bench

> TROLLEYS



Trolley with lower shelf



Welded or removable trolley



Wire trolley with adjustable trays

Accessories and small equipment



Waste container



Clamp waste container



Glove dispenser



Stainless steel consumables dispenser



Wardrobe

3 • Furniture for staff airlocks

Manufacture of customised cleanroom airlocks

> FURNITURE MANUFACTURER

STERIGENE manufactures and installs melamine, laminate or compact cleanroom or laboratory airlock furniture. Our teams deliver **pre-assembled equipment** and **quickly install your furniture directly on site** in accordance with the plans drawn up together.



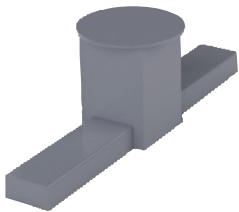
Our furniture is made in France by STERIGENE.

> YOUR CUSTOM-MADE AIRLOCK

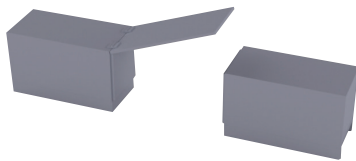
Depending on your needs, we manufacture and integrate the various pieces of furniture that will make up your cleanroom airlocks. **Our design office finds the most ergonomic and functional solutions possible** depending on your space and your needs and in accordance with your dressing processes.

Staff airlock assembly furniture

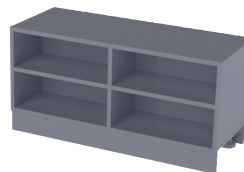
> STEP-OVER BENCHES



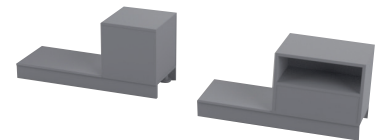
Circular bench
with zone divider



Lift-up bench
with disabled access



"E" bench with
accessible lockers
in front



Bench with platform

> WALL-MOUNTED FURNITURE: WARDROBES, CABINETS, LOCKERS



Locker
with shoe
compartment



Locker with 1 door,
1 shelf and
2 compartments



Cleaning
cupboard

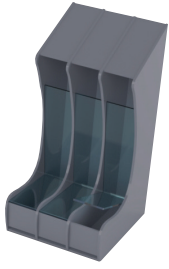


"fifo" column
for blister packs



Customer-specific
cupboard

> DISPENSERS FOR CONSUMABLES



Curved "fifo" dispenser to be placed or suspended



Bench-mounted dispenser with 3 compartments and 25 L waste disposal



Dispenser with 4 drop proof compartments and 50 L low waste disposal



"Fifo" dispenser with 3 columns and 50 L low waste disposal

> WASTE DISPOSAL UNITS



Waste disposal with access from above and 25/50 L PVC tray



Waste disposal with front access and undercut door

> WASH BASINS

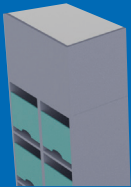


Unit with glazed stoneware basin

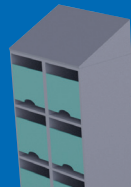


Unit with moulded resin basin

> DIFFERENT TYPES OF FINISHES



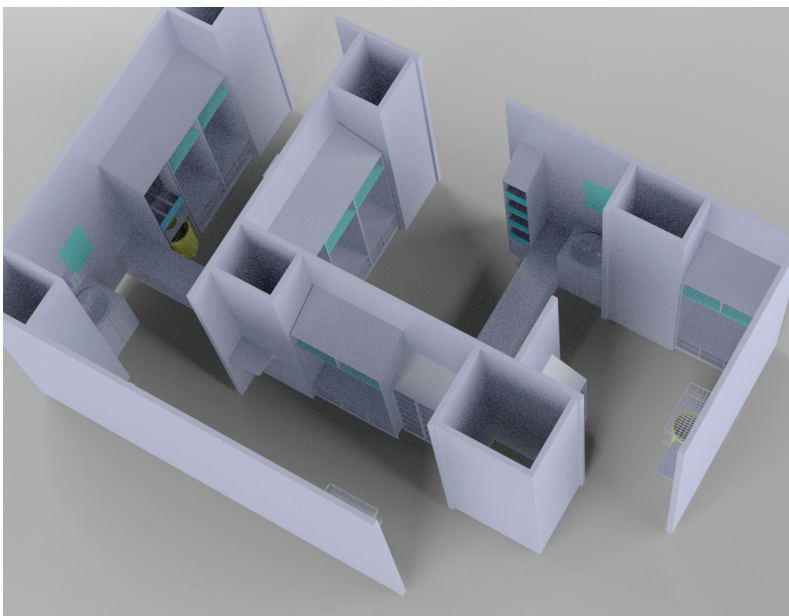
Vertical top panel : can be used as a hood for airing the cleanroom airlock



Sloped top panel (+/-30%) : facilitates cleaning, does not interfere with air flows and limits hollow retention volumes

Installation of your cleanroom airlocks

> CASE STUDY: LAYOUT PLAN FOR A STAFF AIRLOCK



Customer protocol :

- Entry into the airlock wearing class D clothing
- Removal of class D footwear
- Removal of class D lab coats
 - Move to a classified area
- Coveralls
- Shoes or overshoes for visitors
- Hygiene cap – beard cover
- Hand washing
- Gloves

Proposed location :

- Wardrobe with shoe compartments for class D clothing
- FIFO hygiene cap / beard cover / overshoes dispenser
- Zone divider step-over bench
- Zone-shoe compartment
- Wire basket for glove storage
- Glove shelf
- Automatic mixer hand basin
- Waste disposal for clothes packaging
- Full height mirror
- Zone-clothing return wardrobe

4 ♦ Additional furniture

Seats and chairs

> MULTIPLE CHOICES, SINGLE PURPOSE: THE COMFORT OF YOUR OPERATORS

Seating is an integral part of cleanrooms and laboratories, and must also meet many standards of use while remaining comfortable for users. STERIGENE offers you a complete range of seating: chairs, stools and sit-stand stools that meet the strictest requirements of controlled environments.



All of our seats and footrests are available with ESD certification.

> SEATS AND CHAIRS



Cleanroom Plus chair



Labster 2 chair



Labster 3 chair



Stainless steel chair

> SIT-STAND STOOLS



Sit-stand stool in PU



Sit-stand stool in PU with folding footrest



Sit-stand stool slim model



Labster sit-stand stool



Sit-stand stool in stainless steel

> STOOLS



Labster stool



Cleanroom stool with glides



Cleanroom stool with castors



Stainless steel stool

> FOOT REST



Foot rest

Discover our entire range and restock using our online shop at [STERIGENE-STORE.COM](https://sterigene-store.com)

Laboratory furniture

> MAKE WORK EASIER FOR YOUR LAB WORKERS

Laboratory workers must often work within small areas, which is why we strive to offer **functional and compact laboratory furniture**. Fume cupboards, workbenches, storage units... All are designed and installed as ergonomically as possible.

> EN 14470-1 90-MINUTE SAFETY CABINET



Approved and tested for 90 minutes in **accordance with EN 14470-1, fire resistant** for up to 105 minutes, these cabinets feature shelves and retention bins, ventilation holes, standardised pictograms and a key lock.

They are available in various sizes and in compartmentalised models to store different families of products in complete safety.

> STORE YOUR HAZARDOUS PRODUCTS SAFELY

STERIGENE offers a **very comprehensive range of laboratory safety cabinets** to store your dangerous products and adapted to all your needs :

- Safety cabinets for flammable and explosive products
- Safety cabinets for storing acids and bases
- Compartmented multi-risk safety cabinets for toxic products
- Safety cabinets with filtered ventilation

> ACIDS/BASES ANTI-CORROSION CABINET



These cabinets are made of **cellular PVC** and feature separate compartments, **ventilation openings**, shelves and retention bins mounted on sliding rails, standardised pictograms and a key lock.

They are available in several sizes and in melamine.



Equipping the cabinet with a **filtration or ventilation box** is strongly recommended to prevent vapours being contained inside.

> RECIRCULATING FUME CUPBOARD



NF X 15-211
Class 2 2009 may

Compliant with the **NF X 15-211 standard**, Labopur fume cupboards are delivered **assembled and ready to use**. The type of active carbon filter should be chosen according to the products handled. They are available in several sizes and in an external venting model.

> CLASS II MICROBIOLOGICAL SAFETY CABINET



Providing **first-class protection** for the operator, the environment and the product, these microbiological safety cabinets consist of an automatic airflow compensation system, an audible and visual alarm in case of failure, electrical outlets and a low-speed, adjustable fan. Vertical laminar flow hoods are also available.

Visual inspection table / Backlighting table

> CLEANVIEW VISUAL INSPECTION TABLE

The quality of an injectable solution is assessed by **visual inspection** of the vials to detect any traces of particles. **STERIGENE** has developed and manufactures a **manual inspection table, CleanView**, which is compliant with European and US pharmacopoeias, Class C or ISO 8 compatible and with a qualification protocol.

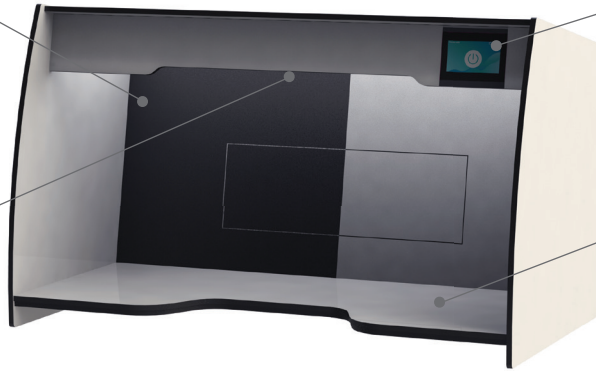
Several options are available to meet all your needs.

NATIONAL INSTITUTE
OF INDUSTRIAL
PROPERTY



Visual inspection area defined on vertical panels with black/white background inclined at 10° and **anti-glare** and **qualification protocol** with light intensity mapping on the visual inspection volume.

LED lighting with low-voltage **uniformity of illumination** provided by 4 rows x 2 **independently adjustable** LED strips with a life of > 20,000 hours.



Customisable 5" touch screen control with control and pause time settings, lighting settings, 3 levels of administration, 3D mapping and 10 brightness levels.

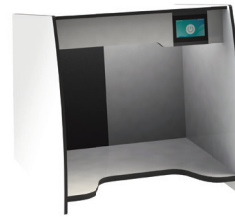
100% TRESPA worktop, compact, rot-proof, non-drip and anti-microbial, with **round drop edges** and a **belly flap**.

VARIOUS MODELS

STERIGENE offers 2 standard pedestal models, 2 base models and accessories :



CleanView CVL model
(L 1 175 x D 680 x H 720 mm)



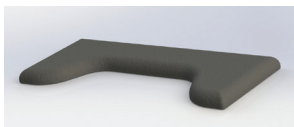
CleanView CVS model
(L 725 x D 680 x H 720 mm)



Fixed base
on castors.



Telescopic legs without castors with adjustable height (720 to 1,360 mm) controlled by the control screen (position memory)



Ergonomic armrest

We also manufacture specific versions with custom prototyping and qualification. For any specific needs or requests, please contact us.

> STERIGENE BACKLIT TABLE



Adjustable intensity and brightness
Available in stainless steel, compact and HDPE

STERIGENE also has **semi-automatic and automatic inspection** solutions for the visual inspection of all your types of containers.

Detection of fill level, particles/fibres, impurities

Manual output up to 6,000 u/h, and automatic output from 12,000 to 24,000 u/h

For more information, please visit www.sterigene.com

WANT TO CONTACT US ?

Our team is at your disposal Monday to Thursday from 9 a.m. to 6 p.m. and Friday from 9 a.m. to 5 p.m.

+33 (0)1 34 44 23 23



sterigene@sterigene.com



HEAD OFFICE
2, rue André Citroën
95130 Franconville- France

LYON AGENCY
53, rue de l'industrie
69530 Brignais - France



STRASBOURG AGENCY
6 rue Eugénie Brazier
67400 Illkirch Graffenstaden - France

ALL OUR EXPERTISE AT YOUR SERVICE

www.STERIGENE.com
www.STERIGENE-STORE.com



THE SYNEXIN GROUP :

STERIGENE is a SYNEXIN group company that offers 360° solutions for your turnkey projects in clean and sterile environments.



The 3 companies expertise synergy, including STERIGENE, all specialized in different trades related to critical environments for the engineering of your processes.



The specialist in the field of controlled environments : equipment and components for aerulic systems, qualification of critical environments.



The expert in the integration and manufacture of custom-made furniture for cleanrooms : mirage tables, benches, furniture, consumable dispensers and changing rooms.

