



SCHILLING ENGINEERING Cleanroom Cabins

SCHILLING
ENGINEERING

Industrial Handling

Cleanroom Systems

Cleanroom Cabins

Cleanroom cabins and tents provide restricted clean working areas that can be set up quickly, flexibly and cost-effectively.

Our cleanroom systems are optimally adapted to specific customer needs in a wide variety of application areas and space conditions.

Whether self-standing structures or housings for existing machines, our technology meets the strictest of requirements placed on clean production areas.

CleanFlowCell®

Cabins
Tents
Laminar flow systems



SCHILLING ENGINEERING – Clear areas in tight space



Our service – your benefits

- Modular, flexible construction
- High levels of product and personal safety
- Whisper-quiet laminar flow modules, ULPA class U15
- Even air circulation, high rates of air replacement
- High-quality materials, latest technology
- High quality standard, high availability and reliability
- High power reserves
- Independent monitoring system, central controller
- Simple maintenance and long service lives for the main filters
- Low power and maintenance costs due to innovative air circulation technology

Cleanroom Cabins

CleanFlowCell cleanroom cabins are modular in design. Variable sizes and a standardised plug system permit their fast, simple assembly and offer flexible restructuring and expansion options.

Smooth wall panels and smooth profile systems as well as large cleanroom windows provide a pleasant, easy-to-clean working environment.

Product safety is ensured by means of defined laminar flow flushing.

CleanFlowCell®



CleanFlowCell cleanroom cabin
ISO cleanroom class 7, Medical injection moulding

SCHILLING ENGINEERING – Particle-free zones



Sampling cabin



Medical plastic injection moulding fabrication



Display processing



Hollow body blowing machine fabrication



Testing of operational material



Automotive part injection moulding fabrication

CleanFlowCell Cleanroom Cabins

Cleanrooms in ISO cleanroom classes 5-9, GMP C, D, E

- Self-standing, modular cleanroom system
- Fully integrated locks for staff and material.
- Housing made of composite panels and toughened safety glass or Plexiglas window panes, partly with PVC cleanroom curtains
- U15 ULPA high-performance laminar flow modules
- Integrated work zones
- Fully integrated LED cleanroom lighting
- Optional built-on cleanroom lighting
- Glass touch panel
- Overflow zones near the floor
- Optional selective particle extraction system
- Optional GMP-compliant design with filter leak test equipment
- Optionally integrated testing and packaging zones
- Tool changes in injection moulding applications possible from above
- Fully integrated control system



CleanFlowCell cleanroom cabin
ISO cleanroom class 7, pharmaceutical production

Cleanroom tents

CleanFlowCell cleanroom tents use high-quality PVC sheet and strip curtains for a safe production environment, the optimum integration of machines and flexible setup.

These tent solutions are self-standing and form a closed room.

CleanFlowCell®



SCHILLING ENGINEERING – Clean areas

CleanFlowCell cleanroom tents

Cleanrooms in ISO cleanroom classes 5-9, GMP C, D, E

- Self-standing, modular cleanroom system
- Fully integrated locks for staff and material.
- Housing of PVC cleanroom curtains or strip curtains
- U15 high-performance laminar flow modules
- Integrated work zones
- Fully integrated LED cleanroom lighting
- Optional built-on cleanroom lighting
- Glass touch panel
- Overflow zones near the floor
- Optional GMP-compliant design with filter leak test equipment
- Tool changes in injection moulding applications possible from above
- Flexible, portable cleanroom cabin system
- Fully integrated control system



Food production



Pharmaceutical filling systems



Packaging technology



Circuit boards



Medical components, plastic injection moulding

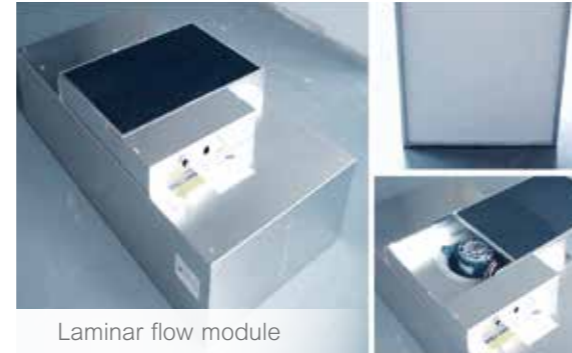


Data storage automation

Laminar flow boxes
Laminar flow ceilings
Laminar flow housings

With our laminar flow units, clean work areas can be set up on a user-specific, custom basis. Housings for machines or work areas and restricted laminar flow ceilings represent a cost-effective, space-saving alternative for cleanroom technology applications.

CleanFlowCell®



Laminar flow module



Cleanroom laminar flow ceiling
ISO cleanroom class 7, GMP C, medical infusion bag preparation

SCHILLING ENGINEERING – Flexible safety



Laminarflow housing



Flow-box with ionisation



Operations ceiling: Eye clinic



Silicone production



Flow-box on injection moulding machine



PVC film curtain

Laminar flow housings and laminar flow ceilings
Cleanrooms in ISO cleanroom classes 5-9, GMP C, D, E

- U15 ULPA high-performance laminar flow modules
- Optional integrated filter contamination indicators
- Optional GMP-compliant design with filter leak test equipment
- Fully integrated LED cleanroom lighting
- Optional built-on cleanroom lighting
- Housing of PVC cleanroom curtains
- Overflow zones above the floor gap of the curtains
- Overflow zones above process areas
- Tool changing in injection moulding applications possible during active clean air laminar flow



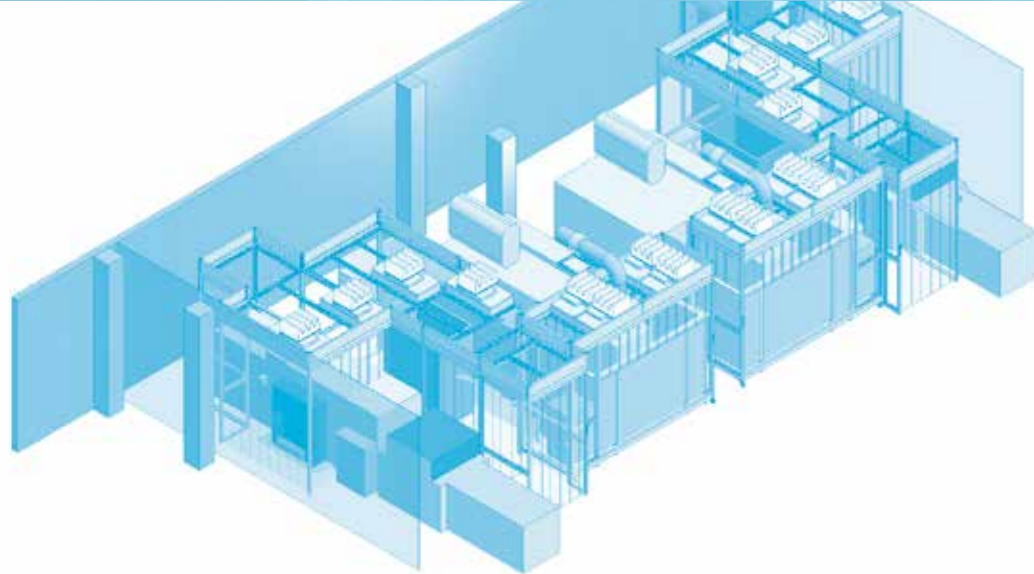
Qualification

We handle all necessary qualification steps for our customers. All components of the cleanroom are adjusted perfectly through our control system. Final tests guarantee the turnkey handover of the cleanroom systems.

Service

We provide our cleanroom systems with a 3-year guarantee on all parts. Of course, we can also carry out requalifications and maintenance on-site. We have also set up a free hotline so that our customers and service technicians can reach us at any time. Full service the way you like it.

SCHILLING ENGINEERING – From planning to qualification



Engineering

The planning of your cleanrooms is supported right from the start by our engineers. Individual design, customised to the different requirements and space conditions of the project. Modern furniture, latest state of the art, fast and reliable.

Installation

Our trained service technicians go on-site to ensure the smooth construction and operationally ready handover of our systems.



Pharmaceutical industry
 Medical technology
 Biotechnology
 Clinics
 Pharmacies
 Blister centres
 Cytostatics laboratories
 Cosmetics industry
 Semiconductor industry
 Automobile industry
 Display fabrication
 Microtechnology
 Nanostructural engineering
 Optical industry
 Laser technology
 Data medium technology
 Solar industry
 Food technology
 Packaging technology
 Air & space technology

SCHILLING ENGINEERING
Cleanroom Systems



SCHILLING ENGINEERING – Turnkey Solutions

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