

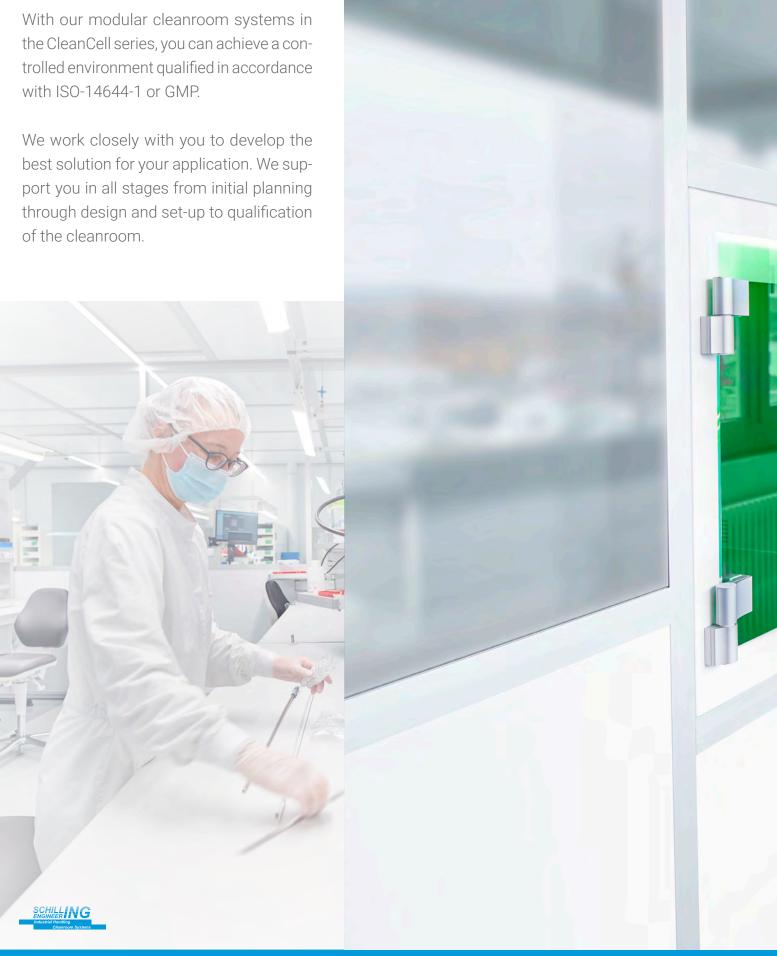
# CleanCell

**CUSTOM CLEANROOM SYSTEMS** 



### **MODULAR CLEANROOMS**

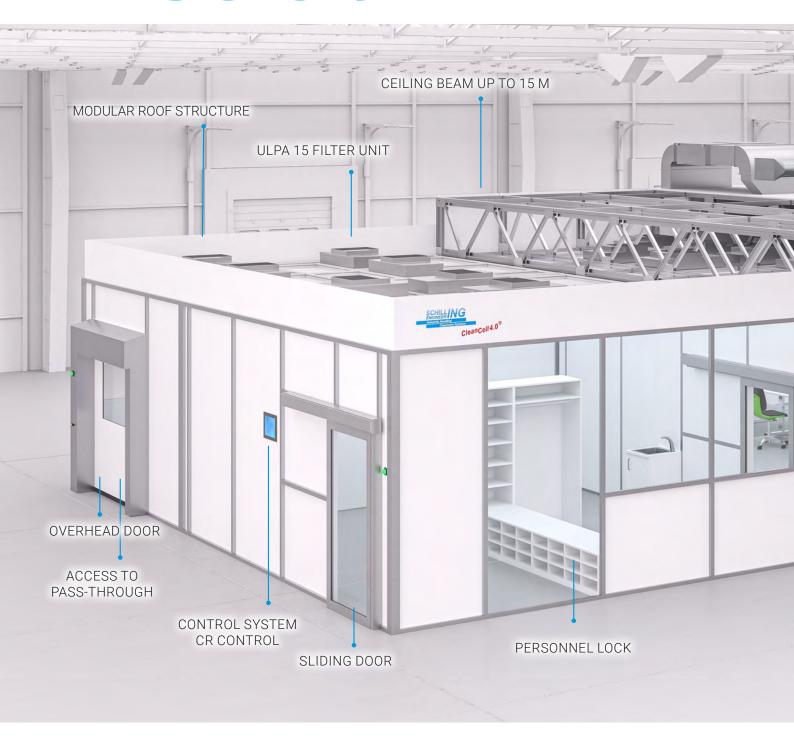
#### INDIVIDUALLY PLANNED







# SO 5-9

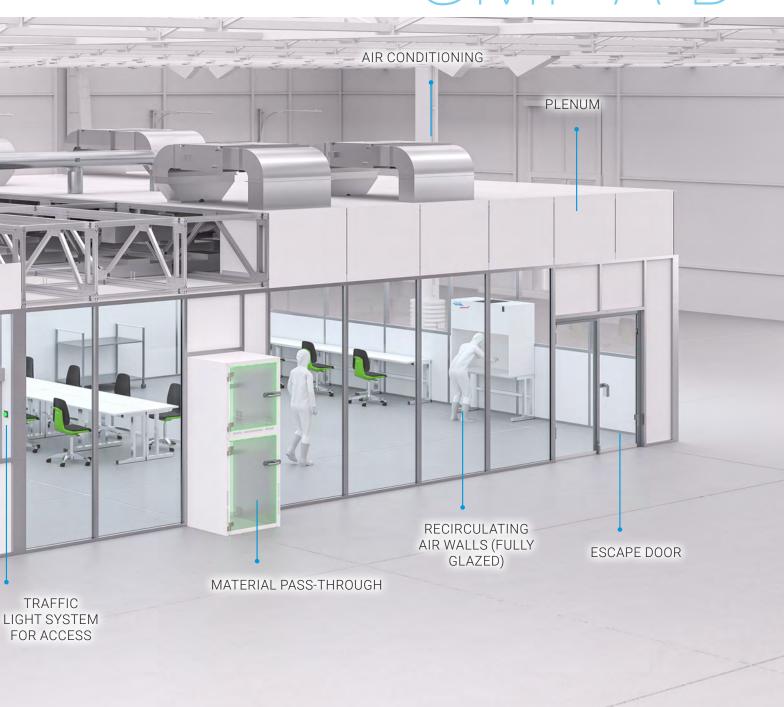


Our cleanrooms can be flexibly integrated into your existing location. Whether for new or existing production buildings, whether space is tight or abundant, the modular elements are configured to meet your exact size requirements. The free-standing structure means that you don't need a steel frame or supporting ceiling for the 'room within a room' system.

### A PERFECT FIT

FREE-STANDING AND VARIABLE

# GMP A-D



### ON THE SAFE SIDE

**OUR CLEANCELL SERIES** 

For our cleanroom solutions, we always use the latest technology and only high-quality, tested materials. The cleanroom systems are qualified and handed over as turnkey systems that meet all the requirements of cleanroom classes ISO 5–9 and GMP A (in B), B, C and D.

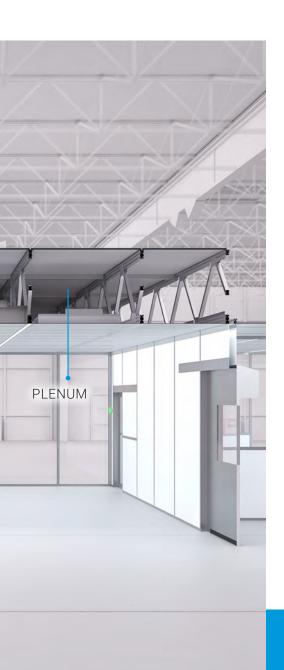




## PURITY WITH NO COMPROMISES

#### HIGHLY RELIABLE AND QUIET

High-performance ULPA 15 filters provide for constant, controlled air quality. Thanks to the high filter performance, the required cleanliness level can be achieved with a small number of filter units and a low air change rate. The filter fan units suck in the air from the surrounding building or the plenum. They are very quiet, at less than 50 dB(A).

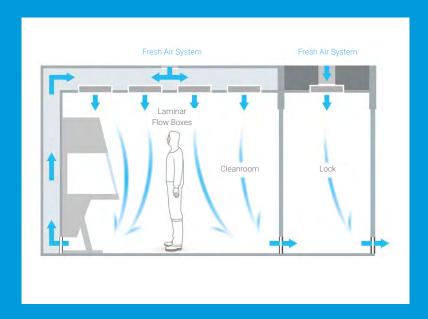


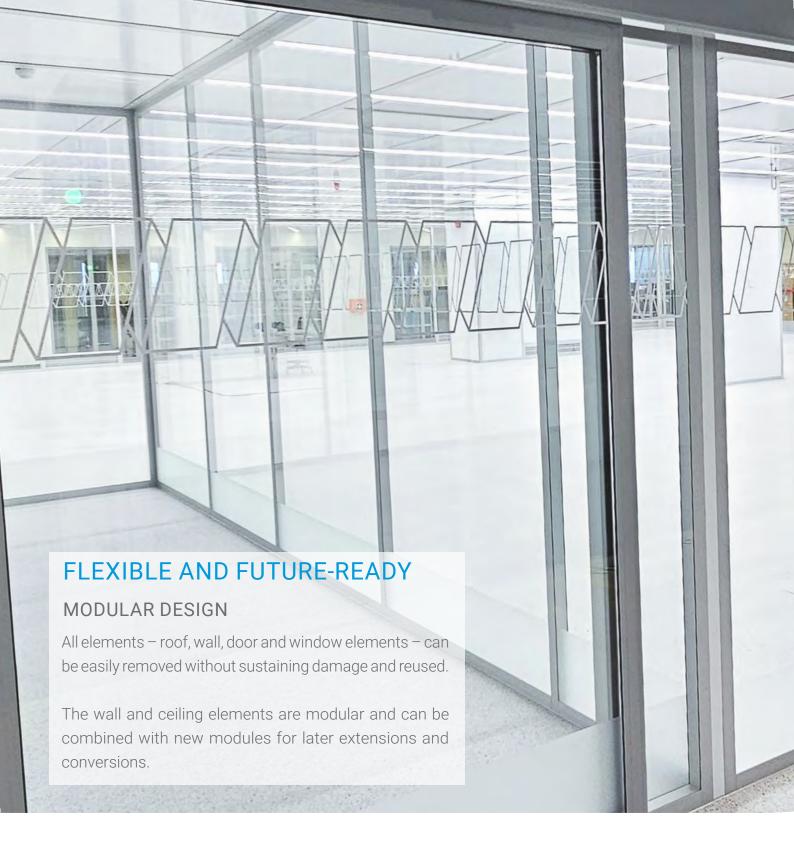
### SPACE-SAVING AND EFFICIENT

#### AIR CIRCUIT IN RECIRCULATING

The purified air flows through controlled airflow (laminar flow) from the ceiling to the floor and transports the airborne particles as overflow to the outside or back to the plenum in the recirculation process.

The air is returned inside the walls to the filter fan units. Reuse of the filtered and pre-cooled air saves energy and extends the filter life.







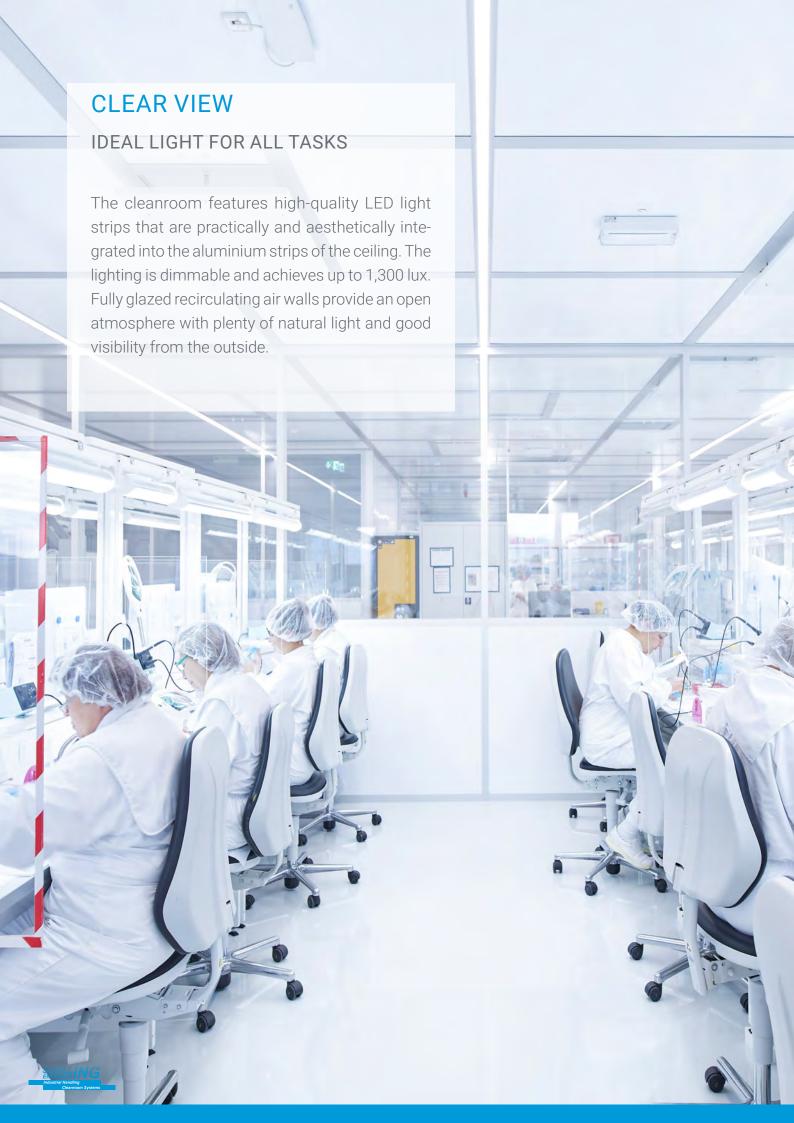






# CONTROLLED TEMPERATURE AND HUMIDITY

We standardly achieve a deviation of +/- 2 degrees C and +/- 10% relative humidity, or better if required. Precise air conditioning is provided through ceiling air conditioning units or air conditioning cabinets. Decentralised air conditioning and heat recovery make operation of the CleanCell cleanrooms extremely efficient.









## **COME IN**

# PROCESS SAFETY THROUGH VISUALISATION

The LED strips around the edges of the illuminated doors of our CleanCell cleanrooms immediately show you the lock status. You can see whether access to the next room is permitted via the signals (green, blue and red).





We can even light up your company logo on the glass doors!

## MATERIAL LOCK

### IN AND OUT SAFELY

We can provide small or large passthroughs according to your needs. The doors are interlocked and light signals indicate when they can be opened.









**AFTER SALES** 

QUALIFICATION

MAINTENANCE TRAINING





# Our cleanroom systems are handed over as qualified and ready-to-use systems

The qualification tests are carried out in accordance with the EU GMP guidelines and DIN EN ISO 14644 and, if necessary, recorded in detailed GMP documentation. All work steps, test procedures and measured values are thus comprehensible and verifiable for external test centres.

#### There for you even after installation

After commissioning has been completed, your daily work in the cleanroom can begin. We remain your contact, carry out service and requalifications and can assist you through our hotline. We can also train your personnel in cleanroom basics or clothing, behaviour and hygiene.



### **CHARACTERISTICS CleanCell**

- Cleanroom classes ISO 5-9 and GMP B, C, D
- Free-standing up to width of 15 m
- Ceiling elements with integrated filter fan units (ULPA 15)
- LEDs fully integrated into profiles
- Fully integrated recirculating air walls
- Central control and monitoring system
- Flexible expansion options
- Turnkey system including qualification

### **TECHNICAL SPECIFICATIONS**

#### FILTER-FAN-UNIT

Degree of separation	99.9995 %
Air flow rate	1100 m³/h
Noise level	< 50 dB(A)

#### LIGHTING AND CO.

Illuminance	up to 1,300 lux, dimmable
Sleep Mode	

#### AIR CONDITIONING

Decentralised cooling for room-specific temperature control

Plenum technology with efficient system air recirculation

Humidity control according to individual requirements

Free cooling for energy-saving cold air generation





https://schillingengineering.de/en/products/360-tour



### **OUR CLEANROOM SYSTEMS**

#### SUPPORT PROCESSES IN THESE INDUSTRIES

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 carrier technology

Solar industry

Food technology

Packaging technology

Aerospace technology

#### **OUR BRANDS**

CleanEasyCell®

CleanMediCell®

CleanFlowCell

CleanCell 4.0®

Clean<sub>Steri</sub>Cell®

**CRControl**®



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