



**ASYS  
GROUP**

**Cleanroom**

# **ASYS Cleanroom Technology**

Your partner for individual cleanroom solutions  
& air conditioning technology



Cleanroom solutions according to VDI, ISO, GMP and controlled rooms according to VDA 19

## From Standard to Customized – Clean & Controlled Rooms in any Classification

As an independent company within the ASYS Group, we have been providing innovative solutions in the areas of cleanroom technology, laminar flow systems, dry storage systems, storage lift systems and special solutions for 25 years.

Our high-quality products and services play a key role in quality assurance and optimization of industrial production processes.

As a customer-oriented solution supplier, we work with companies and research institutes in the fields of microelectronics, semiconductor manufacturing, precision mechanics, optics, biotechnology, pharmaceuticals and medical technology.

From commissioning to maintenance and after sales service to qualification – we offer you everything from a single source.



Laminar or turbulent air flow for cleanroom classes up to ISO 5

## Regardless & Flexible

VERDICO climate control modules for process machines make it possible to carry out demanding manufacturing or assembly processes under precisely measurable and controllable ambient conditions – independently of the surrounding production area. We generate a controlled atmosphere directly at the process and do so completely autonomously and flexibly.

Whether dry, air-conditioned, clean or a combination of these – VERDICO adapts to every requirement.



Controllable microenvironments in the process cabinet



# Turnkey Cleanrooms – planning & realization

With over 25 years of experience, we are your specialist in the development and realization of cleanrooms. With CLEANUM, our modular cleanroom systems you achieve a controlled and qualified environment according to ISO-14644 or GMP, which is exactly tailored to your needs.

Long-standing know-how in the development, 3D-planning and execution guarantee highest quality and reliability. Even the subsequent integration of a clean-room into an already existing production room is possible without problems with our modular structured conception. Furthermore, we ensure by continuous training the transfer of personal knowledge and experience to our customers and sensitize the behavior of their clean-room personnel.

Our customized solutions are equipped with the latest recirculation and air conditioning technology and guarantee one hundred percent safety for your sensitive production. We have a pure solution for every application – contact us.







Clean workstation & mobile clean room cabin for the production of highly sensitive components



Division of the entire dry storage system into three autarkic chambers possible



The warehouse lift system can be implemented over several floors



The climate module creates controlled ambient conditions within a process machine



## Cleanroom Technology & Laminar Flow Systems

We have years of know-how and sophisticated solutions for technical cleanliness and cleanroom technology. We offer turnkey cleanrooms according to VDI, ISO, GMP and cleanrooms according to VDA 19.

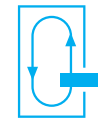
For the demarcation of a production area, in which constantly pure conditions are needed, we use our flexible cleanroom cabins and clean workplaces. This enables us to achieve classification up to cleanroom class 5 according to DIN EN ISO 14644-1.



## Economical Dry Storage Systems

Our CONSIDUS dry storage systems can be used for several products from electronic components, printed circuit boards to foils, wafers and finished parts with oxidation sensitive surfaces. The chambers reach a relative humidity < 3% within one minute, after closing the dry storage door.

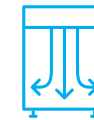
Our clever 3-chamber system allows the entire cabinet volume to be divided into three self-sufficient individual chambers.



## Dynamic Storage Lift Systems

Storage lift systems convince as the perfect solution for larger storage volumes – with low operating costs and amazing flexibility. It allows storage under controlled atmosphere and creates large storage capacities in the smallest area.

Whether dry, air-conditioned and clean conditions – our storage lift systems can be implemented over several floors with multiple access options.



## Regardless Air Conditioning

VERDICO climate control modules for process machines make it possible to carry out demanding manufacturing or assembly processes under precisely measurable and controllable ambient conditions – independently of the surrounding production area. We generate a controlled atmosphere directly at the process and do so completely autonomously and flexibly.

Whether dry, air-conditioned, clean or a combination of these – our climate modules adapt to every requirement and create self-sufficient controlled ambient conditions inside a process machine.

# Smart Storage & Drying – of moisture-sensitive components and assemblies

Our energy-saving drying storage systems - Made in Germany - meet all necessary guidelines and standards and support you in storing and drying your moisture-sensitive components. The innovative and smart solutions ensure traceability of your products and are an integral part of your production line.

From abrasion-resistant stainless steel bases, non-contact door contacts\* to ESD dissipative bases\* and LED lighting with automatic shut-off\*, we offer a wide range of high-quality accessories (\*option). Moisture-sensitive components are dried quickly, gently and in a process-safe way.

### Customized solutions are our strength

For special challenges, in addition to the proven standard products, we develop individual and customized solutions that are perfectly tailored to your requirements. Customized dimensions of up to 1,100 mm depth and 2,770 mm width of the machine are possible.

As a customer-oriented solution provider, we have over 25 years of experience in the planning and development of cleanroom solutions and dry storage systems - contact us, we will find a solution for you.

### Different dehumidification techniques with added value

CONSIDUS Dry Storage can be used for a wide

range of storage products such as electronic components, partially assembled electronic assemblies, printed circuit boards, foils, wafers, and components with oxidation-sensitive surfaces. Various dehumidification techniques are available to achieve a stable and dry atmosphere in CONSIDUS Dry Storage:

#### 1. Adsorption dehumidification technology

Active dehumidification in circulation process. Optional: Heating module for heating the complete storage room up to 40°C incl. energy-saving insulation

#### 2. Nitrogen dehumidification technology

Passive dehumidification with nitrogen in displacement process. Three independent chambers ensure lowest nitrogen consumption

#### 3. Compressed air dehumidification technology

Passive dehumidification with compressed air in displacement process incl. filter

#### 4. CLEANUM particle cleaning

Active air purification in the flow-through process, with integrated particle filtering for clean room conditions

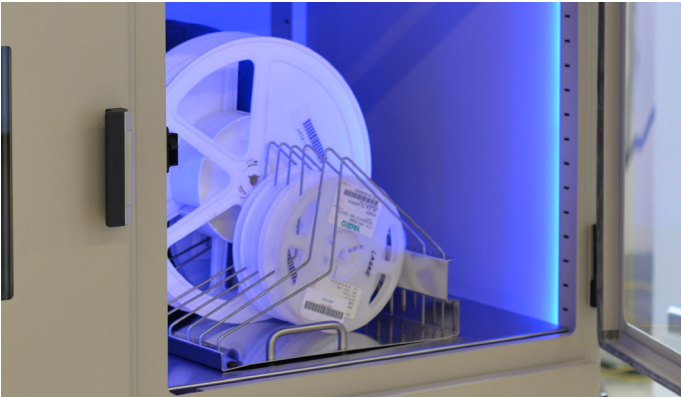
**We will be happy to advise you on the right drying process - tailored to your requirements.**



Tempering oven with automatic locking, adjustable 125°-140°C



Variable drawer runners with ESD carpet pad mats



Range of SMD reel seat or feeder extractor



Inductive and user-friendly control with extensive features

**Expand your drying storage cabinet with a variety of options – adapted to your needs**





## Service & Support from a Single Source

An investment in an ASYS product does not end with the purchase agreement. A perfectly adjusted system always provides the highest performance. An annual maintenance ensures a faultless operation and ensures high operational safety.

### **We offer you, for ASYS products and external installations**

- › Maintenance of your cleanroom, ventilation & refrigeration systems
- › Qualification and requalification including evaluation and documentation
- › Telephone support in case of malfunctions
- › Fast delivery of spare parts

### **Complete Service from a Single Source**

- › TENAX air sampling
- › Hygiene examination acc. to VDI 6022
- › BGVA3 test on electrical installations and stationary equipment
- › Determining of the electrical conductivity
- › Survey and solutions in case of malfunctions
- › Evaluation of the cleanroom suitable processes
- › Documentation of all actions and procedures

Would you like a free quote?

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