

Products on the highest  
quality level



## Recommendations on products to be used in the environments of Technical Cleanliness

The right products for the respective application process

Professional  
Cleanroom Expertise

**dastex**  
REINRAUMZUBEHÖR

# Delivery programme / Products

## Reusable and washable cleanroom garments

sterile / non-sterile

- ▶ Cleanroom garments
- ▶ Cleanroom undergarments

standard or customised

## Disposable cleanroom garments

sterile / non-sterile

- ▶ Head, foot and body area

## Face masks & cleanroom goggles

sterile / non-sterile

- ▶ Disposable face masks for various applications
- ▶ Safety goggles (reusable/disposable)

## Cleanroom gloves & finger cots

sterile / non-sterile

- ▶ Disposable gloves
  - nitrile, latex, polypropylene and other materials
- ▶ Textile gloves
  - uncoated, coated
  - antistatic / for ESD-protected areas
- ▶ Protective gloves
  - protection against chemicals, heat or cold

## Cleanroom shoes & socks

- ▶ Occupational footwear & Safety footwear
  - clogs, slippers and sandals
- ▶ Shoes with textile upper
- ▶ Cleanroom socks (reusable/disposable)

## Disinfectants & Detergents

sterile / non-sterile

- ▶ Based on alcohol (IPA / ethanol)
- ▶ Biocides, sporicidal preparations, fungicides etc.
- ▶ Hand hygiene

## Cleanroom wipes

sterile / non-sterile

- ▶ Polyester cellulose wipes
- ▶ Polyester wipes
- ▶ Microfibre wipes
- ▶ Wipes for special requirements
- ▶ Saturated wipes
- ▶ Cotton and cellulose wipes
- ▶ Sponge wipes

## Cleaning & disposal articles

- ▶ Mop systems and handles
- ▶ Cleaning trolleys and accessories
- ▶ Cleaning swabs
- ▶ Special cleaning tools
- ▶ Cleanroom vacuum cleaners
- ▶ Disposal systems

## Tacky mats

- ▶ Removable dust binding foil mats
- ▶ Permanently adhesive and washable tacky mats

## Cleanroom furniture

- ▶ Chairs, stools, work tables, desks
- ▶ Shelving systems, wardrobes and carts
- ▶ Ladders and steps

## Cleanroom paper & pens

## Adhesive tapes & labels

## Dispenser systems & disposable overshoe dispensers

## Particle visualisation lamps

# Services

## Supply concepts

- ▶ Consignment warehouse
- ▶ Full supply systems
- ▶ E-Commerce solutions  
(incl. online shops)

## Staff training

## Research & Development

## Consultancy

Since 1979



Since 1979, **Dastex** has been your competent partner for all questions concerning cleanrooms.

One of our company's maxims is that an optimal range of cleanroom products can only be created and continuously developed if we maintain close contact with operators of cleanrooms.

Our many years of know-how guarantee that an extensive and above all practice-oriented product range is available at all times, which meets all the requirements of our customers and at the same time represents the latest state of cleanroom technology.

Consistently high product quality, combined with competent advice and intensive customer care, are essential components of the Dastex quality principles.

We have a broad international base, speak twelve languages and attach great importance to the training and development of our employees in order to meet the growing demands of our customers in the future.

As a responsible company, **Dastex** has been operating a quality management system in accordance with **DIN EN ISO 9001** for many years.

In order to express the idea of sustainability, **Dastex** has also had its environmental management system certified according to **DIN EN ISO 14001**.





# Garments

for use in the environments of Technical Cleanliness



Whatever the cleanliness requirement we are talking about for controlled environments, the fact remains: human being remains one of the greatest sources of contamination. With ordinary street clothes, a person emits up to half a million particles  $\geq 5 \mu\text{m}$  and  $\text{m}^3$  per minute when moving.

**Thus, garments also have a defined protective function in the environments of Technical Cleanliness!**



In many cases, this function is certainly not as high as, for example, in semiconductor manufacturing, but certain minimum requirements are necessary:

- ▶ sufficient **particle retention capacity** against contamination from the user and his private clothing
- ▶ **abrasion resistance**, if possible high, to avoid contamination of textile fibres by abrasion
- ▶ very good **wearing comfort properties** to promote employee acceptance – mainly breathability and a pleasant feel (softness) of the fabric
- ▶ good to very good **antistatic properties**, in many areas of use



When choosing clothes, it is also important to ensure that they are properly made, for example the seams. Proper configuration, combined with functional execution, is also one of the most important criteria for making a decision.

With its own production, **Dastex** combines all these elements, carries out its own R&D and, if necessary, offers its customers tailor-made solutions, in addition to standard models – each adapted to individual needs.

# Cleaning wipes

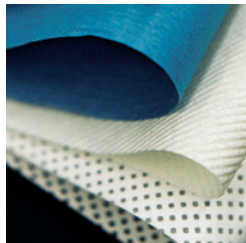
for use in the environments of Technical Cleanliness

Examples of standard wipes from our product range for applications in the environments of Technical Cleanliness:

- ▶ Series 301
- ▶ Series 304
- ▶ Series 400
- ▶ Series 415
- ▶ Series 418
- ▶ Series 428
- ▶ Series 700
- ▶ Series 707

We would be pleased to provide you with detailed advice and samples for your own application tests!

Influencing factors for efficient cleaning with cleanroom wipes



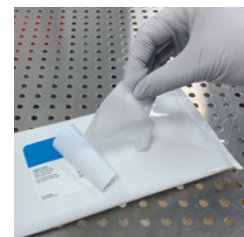
Wiping surfaces with appropriate wipes plays an important role in the field of Technical Cleanliness. At first glance, the requirement profile of these wipes seems very simple: on the one hand, these **adverse impurities must be removed** and, on the other hand, the wipes themselves must not emit **any intrinsic contamination** (mainly of fibres).



However, if we take a closer look at the **wipe cleaning procedure**, this process becomes much more complex. The diagram illustrates the most important aspects of effective cleaning that need to be considered.

Many wipes reach their limits, especially when it comes to **removing impurities in the form of layers** on surfaces.

Pre-impregnated cleanroom wipes are also suitable for certain areas of application. Saving space and time (and therefore reducing indirect costs) are the main arguments in favour of using these wipes.





# Gloves

for use in the environments of Technical Cleanliness

Examples of standard gloves from our product range for applications in the environments of Technical Cleanliness:

- ▶ **Textile gloves**  
like our articles **3010** and **3015**
- ▶ **Thin membrane gloves**  
such as articles **3523**, **3823**, **3827** and **3842**

We would be pleased to provide you with detailed advice and samples for your own application tests!



In addition to garments and wipes, gloves belong to the third main product group which, from the user's point of view, are to be taken into account particularly in the environments of Technical Cleanliness. With our hands, we often touch surfaces that come into contact with the product as well as, in many cases, the product itself. Proper removal of a **fingerprint** from a sensitive surface can be an expensive undertaking. Wearing an appropriate glove prevents such contamination, which should obviously not pose an additional risk due to poor manufacturing quality or increased contamination of the glove surface. In addition, the abrasion resistance of the glove is an important quality feature.

From the user's point of view, other factors must also be taken into account. The **tactile sensation** must not be significantly altered and possible **allergy risks** must be avoided. The **fit** and the **general feeling of wearing** are also decisive characteristics.

Other aspects that may influence the choice of suitable gloves are the possible specifications for PPE (personal protective equipment), such as **cut protection**, **chemical protection** or **thermal protection**.



# Further typical products

for use in the environments of Technical Cleanliness

- ▶ **Sticky mats with peel-off sheets**
- ▶ **Swabs**
- ▶ **Moping systems**
- ▶ **Disposable garments**
  - Hoods
  - Face masks
  - Beard protectors
  - Coats and gowns
  - Overshoes
  - etc.
- ▶ **Dispensers for disposable products**



Contamination of all kinds often reaches clean production areas via the soles of shoes. Thanks to **sticky mats** with peel-off sheets, located in the entrance areas, these impurities can be reduced as easily as possible, without excessive effort.

Cleaning wipes may not be 100% suitable for all cleaning tasks in controlled areas. Some areas are not accessible with a wipe – here **cleaning swabs** are often useful.

For large floor, wall and ceiling surfaces, special **mop systems** are available in a wide variety of designs.

In addition to existing garment regulations or for visitors, **Dastex** offers a wide range of **disposable garment items**:

Headgears, face masks and beard protectors, aprons and shoe covers for transfer areas etc.

With these products, it is often necessary to balance if they can be used without hesitation because of their properties, and if they can withstand higher mechanical stresses.

We would be pleased to provide you with detailed advice and samples for your own application tests!

Representative and easy-to-clean distribution systems for disposable products complete the product range.

# Professional Cleanroom Expertise



**Dastex Reinraumzubehör  
GmbH & Co. KG**

Draisstr. 23  
76461 Muggensturm  
GERMANY

Telephone +49 7222 969660  
Telefax +49 7222 969688  
E-Mail [info@dastex.com](mailto:info@dastex.com)

[www.dastex.com](http://www.dastex.com)