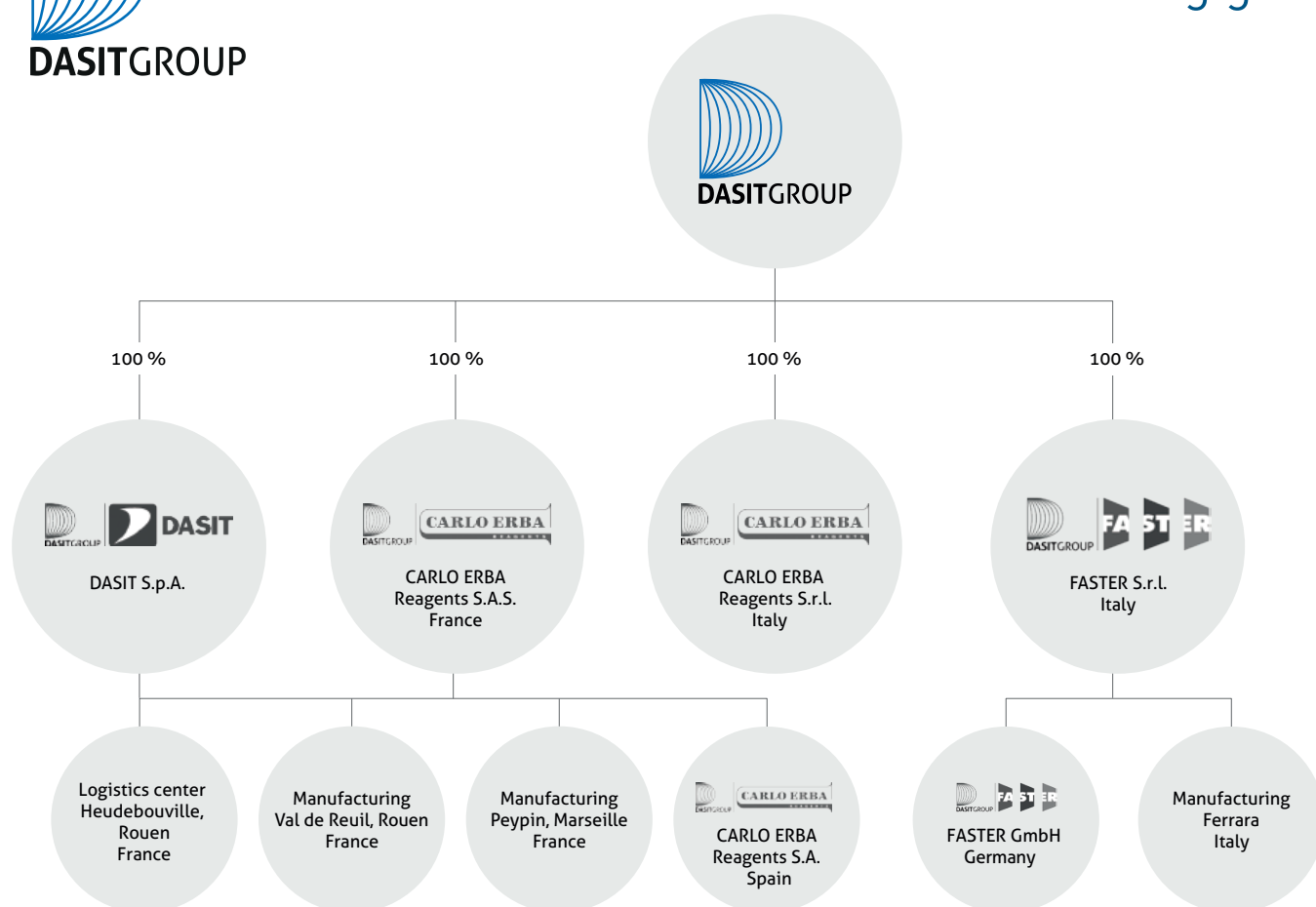


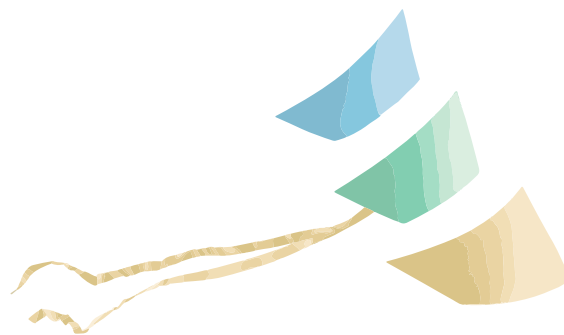
# OUR PRODUCT RANGE

FOR YOUR INDIVIDUAL SOLUTIONS



## DASIT Group

The DASIT Group, based in Cornaredo (Milan), unites numerous companies under one roof. With its own production and distribution facilities, as well as world-wide partners, the DASIT Group is represented globally. The product range extends from in-vitro diagnostics to chemicals and laboratory equipment.



# FASTER S.R.L.

Since 1984, FASTER S.r.l. has been a unique and reliable manufacturer of a wide range of laboratory and industrial equipment, based in Italy. Thanks to many years of experience and the know-how acquired, customer requirements

can be realised individually. Your requirements in the fields of microbiology, chemistry, pharmacy, biotechnology, diagnostics, veterinary medicine and industry are realised by us with experience, protection, safety and passion.

You can count on it:

OVER  
**50.000**

Installations all over the world since 1984

OVER  
**80**

Countries around the world are served by local sales partners

OVER  
**35**

various models available

**September 1984**  
Foundation of the company FASTER S.r.l. in Ferrara, Italy. Production of the first microbiological safety cabinet.

**July 1992**  
Production of the first cytotoxic safety cabinet and the first circulating air fume cuphood.

**January 2009**  
Production of the first isolator for the pharmaceutical industry.

**October 2018**  
Over 40,000 installations worldwide.

**September 2019**  
Opening of the new FASTER production hall with over 10,000 m².

**January 2024**  
First NHP decontamination plant using H<sub>2</sub>O<sub>2</sub> certified by TÜV

**January 1988**  
The first microbiological safety cabinet was certified by TÜV and LNE.

**January 2004**  
The DASIT Group was founded to unite the growing number of companies under one roof: Dasit (in-vitro diagnostics) and FASTER.

**July 2017**  
Re-design of the laboratory fume cuphoods and first production of laboratory furniture.

**January 2019**  
FASTER delivered to 75 different countries on all 5 continents worldwide.

**April 2023**  
Patent application of the ChemFAST Premium fume cuphood

# MICROBIOLOGICAL SAFETY CABINETS

» Class I-II-III

All FASTER microbiological safety cabinets are manufactured in accordance with the relevant DIN EN 12469 and NSF/ANSI 49 standards. When working with hazardous substances, not only the product also your employees are optimally protected.

## Common areas of application are

- Microbiology
- virology
- cell culture
- and many more

## All safety cabinets work with

- HEPA H14 filters (EN 1822)
- Microprocessor control system for low pressure loss



Personal protection



Product protection



— 0,9 m / 1,2 m / 1,5 m / 1,8 m —

## SafeFAST Premium

### The ultimate

Class II according to DIN EN 12469

The SafeFAST Premium leaves nothing to be desired. It impresses with the highest quality, absolute product and personal safety and a redundant DC double blower.

With a minimal noise level, low energy consumption and controllable Energy Safe Mode, it is not only the FASTER all-rounder, but also our environmental star.

- Redundant direct current dual blower (DC)
- Extremely quiet <42.5 dB(A) and energy-saving
- Infinitely dimmable LED lighting
- Work area and interior rear panel
  - Made entirely of stainless steel
  - Perforated or solid
  - Quick and easy removal possible
- Antibacterial powder-coated steel housing
- UV LED decontamination
- Hinged motorised front panel
  - for easy cleaning
- Touchscreen with a user-friendly interface



Personal  
protection



Product  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## SafeFAST Classic

### The Allrounder

Class II according to DIN EN 12469

The all-rounder among the FASTER safety cabinets, offering an excellent price-performance ratio from basic equipment to a wide range of options.

- Cost-effective
- Motorised windscreen
- Alternating current fan (AC)
  - Optional double blower (AC)
- Many additional equipment options



Personal  
protection



Product  
protection



1,2 m / 1,8 m

## SafeFAST Compact

### The Allrounder 2.0

Class II according to DIN EN 12469

- Our latest development, the SafeFAST Classic Compact. This innovative product offers you the ultimate combination of safety, speed and compactness.

- Double DC blower
- Overall width: 1300mm - Usable width: 1200mm
- Overall height: 2100mm - Useful height: 670mm
- Useful depth: 580mm
- UV LED disinfection
- LED lighting
- Rear panel made of painted steel
  - optional: stainless steel 304



Personal  
protection



Product  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## SafeFAST Elite

### The High-Performer

Class II according to DIN EN 12469

Not only certified to European standards, but also TÜV certified, the SafeFAST Elite offers you maximum personal and product protection.

- A Work area and interior back wall  
→ Made entirely of stainless steel
- Hinged motorised windscreen  
→ for easy cleaning
- Alternating current fan (AC)  
→ Optional double blower (AC)
- TÜV-certified GMP design



Personal  
protection



Product  
protection



0,7 m

## SafeFAST Light

### The great little one

Class II according to DIN EN 12469

As the mini FASTER microbiological safety cabinets, the SafeFAST Light still offers the same safety standards - and on the smallest footprint!

- Space-saving at 70 cm
- Flexible use as a table-top appliance
- Hinged front screen  
→ for easy cleaning
- Stainless steel work area

**Ideal for smaller laboratories and medical practices**



Personal  
protection



Product  
protection



1,2 m / 1,5 m / 1,8 m / 2,2 m

## SafeFAST XXL Premium

### The giant

Class II according to DIN EN 12469

For particularly demanding applications, FASTER offers the SafeFAST XXL - with an extended workspace and heavy-duty shelves, it is ideal for larger laboratory equipment or laboratory robots.

- Huge usable space made of stainless steel
  - Working space depth 1 m
  - Working area height 1 m
  - Working area width from 1.2 to 2.2 m
- Heavy-duty shelves incl. underframe
  - for up to 500 kg
- Hinged windscreen (optionally motorised)
  - for easy cleaning
- Infinitely dimmable LED lighting



Personal  
protection



Product  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## SafeFAST Top

### The specialist

Class II according to DIN EN 12469

The SafeFAST Top offers maximum product and personal protection in compliance with DIN EN 12469.

The work surface, side panels and inner rear panel are made from one continuous piece of stainless steel. The corners and edges are rounded and seamless, making the appliance surfaces easy to clean.

- Manually hinged windscreen
- Stainless steel usable space
- Rounded corners in the interior
  - for easy cleaning



Personal  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## SafeFAST Elite Class I

### The bodyguard

Class I according to DIN EN 12469

The SafeFAST Elite Class I safety cabinet is designed to protect the operator. The air drawn in through the work opening is filtered by a G3 pre-filter behind the rear panel and an H14 HEPA filter before it is released into the ambient air.

- 100 % exhaust air to ambient air  
→ No recirculating air
- Stainless steel work surface
- Easy handling and maintenance

**For biological agents with low and medium risk**



Personal  
protection



Product  
protection



Environmental  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## SafeFAST Classic Class II B2

### The exotic

NSF/ANSI 49

The SafeFAST Classic Class II B2 is particularly suitable for working with volatile toxic compounds or dangerous viruses. As a special feature, the Exot has no re-circulation in the work area and is certified in accordance with the international NSF/ANSI 49 standard.

- 2-filter system (recirculation + exhaust air)
- Alternating current fan (AC)  
→ Optional direct current blower (DC)
- Hinged motorised windscreen  
→ for easy cleaning
- 100 % exhaust air
- No recirculating air



Personal  
protection



Product  
protection



Environmental  
protection



1,2 m / 1,5 m / 1,8 m

## SafeFAST Elite Class III

### The safe

Class III according to DIN EN 12469

The SafeFAST Elite Class III consists of a fully enclosed system. By connecting it to an exhaust air system, it ensures optimum product, personal and environmental protection.

Both the transfer flap and the working chamber operate in negative pressure mode, whereby the extracted air is vented through a system of double H14 HEPA filters. There is an ISO 3 class laminar flow in the working chamber, which prevents cross-contamination of the product.

- 200 Pa negative pressure
- Suitable for group 4 pathogens
- TÜV-certified pressure test

**Particularly suitable for S4 laboratories**



Personen-  
schutz



Product  
protection



Environmental  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## CytoFAST Elite / Premium

### The three-filter guard

Class II according to DIN 12980

Triple protection with triple filter - the FASTER cytotoxic workbenches reliably protect against contact with cytotoxic material, CMR agents and other bio-contaminated substances.

- DIN EN 12469:2000 and DIN 12980:2017 standardised
- Hinged motorised windscreen  
→ for easy cleaning
- Multifunctional display with PLC control, remote maintenance, timer and night mode
- Triple protection with triple filter  
→ User, product and environmental protection

**Additionally with the CytoFAST Premium**

- Dimmable LED lighting  
→ Particularly easy on the eyes
- Direct current fan (DC)
- Pressure-reducing HEPA filters

# PRODUCT SAFETY WORKBENCHES

**FASTER product protection cabinets with vertical or horizontal laminar flow are used in many areas of industry and in scientific laboratories for working with cell cultures or non-pathogenic biological samples.**

## Common areas of application are

- Quality control in the pharmaceutical industry
- Quality control in the food and beverage and beverage industry
- PCR methods
- Microbiology
- Cell cultures
- Sterile manipulation
- In vitro fertilisation
- In the preparation of parenteral nutrition therapy

## All product protection workbenches work with

- Microprocessor control system
- HEPA H14 filters (EN 1822) for a particle-free overpressure working range and air purity class ISO 3 according to DIN EN ISO 14644-1



Product  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## FlowFAST H

### The horizontal

ISO class 3 according to DIN EN ISO 14644-1

The FlowFAST H product protection workbench works according to the principle of horizontal laminar airflow.

The usable space is completely open at the front for an ergonomic sitting position. This allows a large range of movement within the product protection cabinet.

- Automatic flow regulator
- Large working opening  
→ for maximum working comfort
- Stainless steel work surface
- Particle-free work area thanks to HEPA H14 filter
- PVC front roller blind + optional LED UV lamp



Product  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## FlowFAST V

### The vertical

ISO Class III according to DIN EN ISO 14644-1

The FlowFAST V product protection cabinet works according to the principle of vertical laminar airflow.

- Hinged windscreen
- Automatic flow regulator
- Stainless steel work surface
- Optional UV lamp
- Particle-free working area due to HEPA H14 filter



Product  
protection



0,8 m

## SmartFAST Light

### The small vertical

ISO class 3 according to DIN EN ISO 14644-1

The SmartFAST Light is a vertical laminar flow workbench that guarantees the best FASTER product protection thanks to particle-free conditions. Its compact size makes it ideal for any room!

- Small and compact
- Hinged front screen
- Stainless steel work surface
- With PLC control and socket in the interior
- Easy to transport and set up

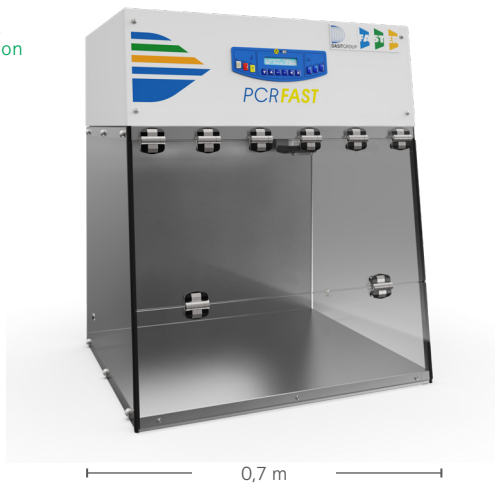


#### Not small enough yet?

The SmartFAST Mini is only 0.6 metres wide and is ideal for use as a flexible tabletop unit.



Product  
protection



## PCR FAST

### Clean working with DNA samples

Specially developed for the sensitive polymerase chain reaction (PCR) amplification and manipulation of DNA or RNA, the PCR FAST is used in many areas of microbiology, haematology, cell culture and genetics.

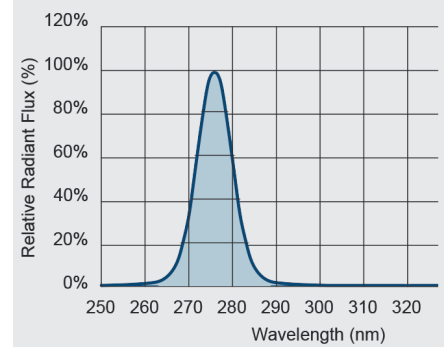
The LED UV light, which is used for the irradiation and decontamination of DNA and RNA samples, ensures an absolutely sterile working area. Contamination of the next PCR process is therefore avoided.

- Back panel and worktop made of stainless steel 1.4301
- Front window and side panels made of UV-protective glass safety glass
- LED UV lighting with programmable timer
- HEPA filter and fan motor optionally available

#### Why LED?

Thanks to the LED UV light, the samples are irradiated at the optimum frequency to ensure proper sterilisation. The same effect cannot be achieved with standard UV lamps as they provide a certain range of effective radiation, but not the most effective.

The frequency range shown in the diagram illustrates that the peak wavelength of UV light achieves 100% relative radiant flux at a more efficient 275 nm (as opposed to a lower 254.3 nm for standard UV lamps).



# IN-VITRO FERTILISATION WORKBENCHES



Personal  
protection



Product  
protection



0,9 m / 1,2 m / 1,5 m / 1,8 m

## SafeFAST / FlowFAST IVF

### The in-vitro fertilisation workbench

ISO Class 3 according to DIN EN ISO 14644-1  
Class II according to DIN EN 12469, ISO 14644-1

A controlled working environment is essential for successful IVF treatment. Whether human or animal reproductive research, the easy operation of the device and the ergonomic workstation provide your staff with the best possible support.

In addition to hygienic conditions and a heated work surface, a device for microscopes should not be neglected.

- Stainless steel worktop  
→ for easy cleaning
- Heated work surface  
→ keeps the temperature constant at  $37^{\circ}\text{C} \pm 0.4^{\circ}\text{C}$ .
- Front window cut-out for microscopes
- Customisation possible



*The heated work surface keeps the  
temperature constant at  $37^{\circ}\text{C}$*

#### Available as

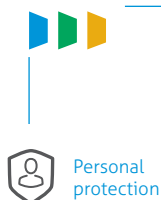
- Microbiological safety cabinet - SafeFAST IVF
- Product protection cabinet - FlowFAST IVF

# PERSONAL PROTECTION WORKBENCH

The FASTER safety cabinet, specially designed for personal protection, offers the best occupational safety when handling potentially harmful substances. The contaminated air is drawn over the work surface away from the user via the back wall to the rear. There it is cleaned with an H14 HEPA filter before being released back into the room air.

## Common areas of application are

- Quality controls
- Biotechnology
- Pharmaceutical industry
- Food industry
- Fine chemicals
- Cosmetics industry
- Work with decanting or weighing activities



0,9 m / 1,2 m / 1,5 m / 1,8 m

## FlowFAST H Reverse Flow

### The powder weighing cabin

ISO class 3 according to DIN EN ISO 14644-1

With the FlowFAST H Reverse Flow, the air is drawn in completely from the ambient air and released into the ambient air after being filtered by an H14 HEPA filter.

Specially developed as a weighing cabin, the workbench is primarily used for weighing hazardous powdery substances, sampling and decanting work as well as when working with screening machines.

- Automatic flow regulator
- Large working opening
  - Maximum working comfort
- Protection against powder and aerosol contamination
- Low-vibration worktop
  - optimal for weighing

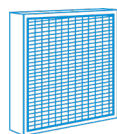
# FUME CUPHOODS

Laboratory, filter and chemical fume cuphoods are among the most important items of equipment in most laboratories. They must be designed in such a way that concentrations of pollutants do not enter the room from the fume cupboard, but are efficiently extracted. FASTER has a wide and innovative range of fume cuphoods. By combining different filters, these provide users with protection against hazardous chemicals, vapours and aerosols.

## Common areas of application are

- Biological and medical research
- Analytical chemistry
- Biotechnology
- Pharmaceutical industry
- Food industry
- Electronics industry
- and many more

## Available filters



- HEPA filter (e.g. powder)
- A/C filter (e.g. solvents)
- ACR filter (e.g. radioactivity)
- FORM filter (e.g. formaldehydes)
- SULF filter (e.g. acids, sulphides RH >85%)
- UR filter (e.g. acids, sulphides RH <85%)
- CYAN filter (e.g. hydrocyanic acid)
- MER filter (e.g. mercury)
- AM filter (e.g. ammonia)



Personal protection



0,6 m / 0,9 m / 1,2 m / 1,5 m / 1,8 m

## ChemFAST Elite

### The flexible

According to DIN EN ISO 14175-3

The ChemFAST Elite fume cupboard from Faster not only offers maximum personal protection, it can also be used very flexibly. Whether in recirculation mode or connected via an exhaust air system - whether for small laboratories or larger applications:

The ChemFAST Elite can be customised to your specific requirements.

- Hinged windscreen
- Can be used in recirculation mode or via exhaust air systems
- Can also be used in small laboratories
  - from 0.6 m usable working area
- Multifunctional display with PLC control
  - incl. operating hours counter & filter saturation indicator
- Maximum personal protection from hazardous gases, vapours, dusts and aerosols



**Up to 2 different filters can be combined**



Personal protection



Environmental protection



1,2 m / 1,5 m / 1,8 m

## ChemFAST Premium

### Fume cuphood with hybrid technology

According to DIN EN ISO 14175

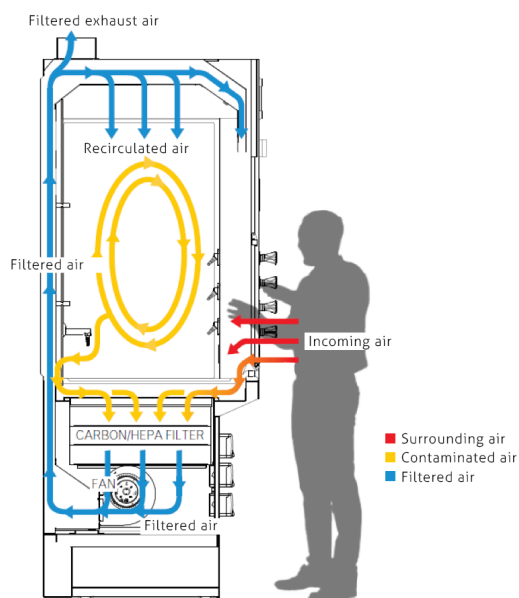
FASTER's most innovative hybrid fume cuphood combines 3-stage airflow technology for safe personal protection with environmental protection against harmful chemicals.

The system removes contamination exactly where it arises. The ambient air drawn in by the fan is first cleaned by a filter and then channelled through the rear of the unit. Afterwards, 25 % of the filtered air is released into a connected exhaust air system, while the remaining 75 % is returned to the work area.

- 25 % exhaust air operation / 75 % recirculation
- Direct current fan (DC)
- Exhaust air systems are protected  
→ In-house exhaust air capacities released
- Up to 80 % energy savings
- Exhaust air volume <198 m<sup>3</sup>/h



Up to 3 different filters can be combined



Optional IP66 socket strip 3-way outside and/or 4-way inside, connection options for various media and cold water connection in the interior, support bars, ceramic worktop, gas connection



Personal  
protection



1,2 m / 1,5 m / 1,8 m / 2,1 m / 2,4 m

## ChemFAST Sharp

### Laboratory fume cuphood with variable exhaust air

According to DIN EN ISO 14175

The ChemFAST Sharp has a major advantage over a conventional fume cuphood: the air flow is based on the principle of variable air volume. This means that the supply air speed can be regulated automatically depending on the sash opening.

- 100 % exhaust air operation
- LED lighting
- Automatic regulation of the supply air speed
- Modern microprocessor control
- Exhaust air volume <50 m<sup>3</sup>/h (with closed window)



**1 filter optionally possible**



Personal  
protection



1,2 m / 1,5 m / 1,8 m / 2,1 m / 2,4 m

## ChemFAST Classic

### Fume cuphood with constant exhaust air

According to DIN EN ISO 14175

The ChemFAST Classic is based on the principle of constant air flow. The supply air velocity can be set during installation. An anemometer installed on the exhaust air duct ensures accuracy and precision when reading the air velocity.

- 100 % exhaust air operation
- LED lighting
- During commissioning, the supply air speed can be set between 0.3 and 0.7 m/s



**1 filter optionally possible**

# ISOLATORS

The FASTER isolators, also known as glove boxes, guarantee the safe and consistent separation of operator and product thanks to a closed system. Materials are introduced and removed via the airlocks and the risk of contamination is eliminated.

## Properties of all standard isolators:

- Iso class: DIN EN ISO 14644-7
- Outer housing made of powder-coated sheet steel or stainless steel
- Working chamber made entirely of stainless steel 1.4301
- They can be qualified in detail: Validation packages for IQ, OQ, PQ, DQ, FAT
- Are completely customisable



## Cytotoxic isolator GloveFAST Cyto Pharma

Class III according to DIN 12980, DIN EN ISO 14644-7

The GloveFAST Cyto Pharma is a TÜV Nord-certified negative pressure isolator with a vertical, laminar air flow. The closed system ensures a safe separation between the operator and the process.

- Working parameters as standard at -75Pa negative pressure 2 airlocks (1 optional)
- Komfortables und ergonomisches Design  
→ due to front windscreen tilted backwards
- Front windscreen can be opened completely  
→ for easy cleaning
- Siemens touch panel

With numerous options, such as an analytical balance in combination with a low-vibration worktop, a 19" touch monitor, an isokinetic measuring probe, the coupling of the isolator to a 3-way lock, the installation of a camera for process documentation or a monitoring system, the isolator can be equipped for any process in the pharmacy.

## Suitable for processing

- Cytostatic drugs (CMR)
- Virustatics
- capsules
- Hazardous substances subject to TRGS 525
- all toxic active substances



Product  
protection



#### Suitable for the processing of

- TPE / TPN compounds
- IV solutions
- Eye drops
- Stem cells and umbilical cord blood
- CIV AS
- Sterility tests



## Aseptic isolator GloveFAST Aseptic

According to DIN EN ISO 14644-1, DIN EN ISO 14644-7

The GloveFAST Aseptic is a TÜV SÜD-certified pressurised isolator with vertical, laminar airflow. A closed system ensures maximum personal and product protection.

- Working parameters as standard at +75 Pa overpressure
- 2 airlocks (1 optional)
- Comfortable and ergonomic design  
→ due to rearward tilted windscreen
- Front windscreen can be opened completely  
→ for easy cleaning
- Siemens Touch-Panel

Numerous options, such as the integrated hydrogen peroxide system, the use of pneumatic seals, a sterility test pump, an isokinetic measuring probe, an air sampler, a monitoring system and other accessories, mean that the isolator can be customised for any process.

#### GloveFAST Aseptic with integrated NHP system:

The fully integrated and validated FASTER NHP system makes it possible to map customised decontamination cycles.

For particularly fast and flexible H<sub>2</sub>O<sub>2</sub> decontamination, the GloveFAST Aseptic can also be equipped with a rapid gassing lock. A successful decontamination process can optionally be verified directly in the isolator's working chamber using an integrable sterility test pump.



Product  
protection



*GloveFAST cRABs are state of the art and can be categorised as active cRABs.*

- Dimensions
  - Working space depth 1 m
  - Working area height 1 m
  - Working area width up to 2.2 m

**Designed for aseptic filling in a clean and safe environment.**

## RABs non-toxic Isolator GloveFAST cRABs

### Isolator with restricted access

The GloveFAST cRABs (restricted-access barrier system) is an isolator system with restricted access. It is used in many industries where a controlled atmosphere is required - for example in the pharmaceutical, medical, chemical or electrical engineering sectors.

- Reliable protection
  - for product, operator and process
- The provision of a laminar airflow in cleanroom class A (ISO 5) within a class C (ISO 7) area ensures process protection
- Airflow-optimised barrier construction
- Integrated glove system
- Up to 500 kg load capacity



*Also available with lead cladding*



Personal  
protection



Product  
protection



environmental  
protection



## Compact isolator GloveFAST Cyto

Class III according to DIN 12980, DIN EN ISO 14644-7

The GloveFAST Cyto is FASTERs' compact negative pressure isolator with a four-filter system. The advantages of the isolator are particularly evident where space is limited and the budget is tight. Of course, this isolator also offers the best product, personal and environmental protection.

### For processing, among other things

- Cytostatics in the research sector
- antivirals
- capsules
- Hazardous substances subject to TRGS 525



Product  
protection



## Compact isolator GloveFAST Clean

According to DIN EN ISO 14644-1, DIN EN ISO 14644-7

The GloveFast Clean is our compact positive pressure isolator with a three-filter system and is our price hit that can be flexibly adapted to your needs. It is also optionally available in a negative pressure version.

### For processing, among other things

- TPE / TPN compounds
- IV solutions
- Eye drops
- Stem cells and umbilical cord blood
- CIV AS

## CUSTOMISED ISOLATORS

Solutions that are specially tailored to you

Our isolators can be customised to your wishes and process requirements based to a modular system with a wide range of options.

If our prefabricated product designs do not meet your requirements, we will be happy to work with you to design an isolator that is customised to your needs.



Pharmaceutical production isolator with two working chambers and intermediate discharge and feed lock.

# ACCESSORIES

## Glove testing system

For isolators

The isolator glove is exposed to high mechanical stresses and therefore has a particularly high risk potential for damage. GMP guidelines for sterile production stipulate regular glove testing.

With the help of the software-supported glove testing system, you can quickly and efficiently test the built-in gloves of your pharmaceutical systems directly in the isolator or cRABs using a pressure decay test.

The data and results are transmitted via WLAN, stored in a database and are available at a central location for inspection and documentation purposes. All necessary tests can be carried out decentrally and simultaneously.



*Simple handling: User-friendly operation, computerised data acquisition and data transfer directly via your WLAN*

## The Easy click system

For isolator gloves

The innovative Easy Click system for neoprene or CSM gloves makes work much easier for the operator. Changing gloves is easy and can be done by any user in just 3 minutes.

### Triple safety mechanism

- Mechanical strength of the glove port
- Degree of tightness achieved
- Protection of the glove during operation and replacement



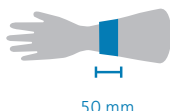
No tools required



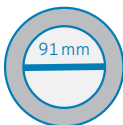
Quick & easy application



High wearing comfort due to only 140 g Port weight



More flexibility and space thanks to a port width of just 50 mm



Inner diameter of 91 mm offers comfortable freedom of movement over the hands and wrists

## Iso-Chair evolution

For ergonomic working in the laboratory

The Iso-Chair evolution laboratory chair was specially designed for working on isolators or safety cabinets.

- Waterproof, antibacterial synthetic leather surface
- Optimum freedom of movement thanks to tapered backrests
- backrests - optionally with adjustable armrests
- Seat and backrest height as well as seat tilt and depth can be easily adjusted
- Choice of two adjustment ranges for the seat height
- Ideal for frequently changing users
- Tool-free interchangeable upholstery
- DIN 68 877-compliant, GS mark



*Also optionally available with foot ring, foot ring cover, sliding handles, and edge protection.*

## Cleaning tool

For safety cabinets and isolators

The Easy Clean cleaning tool is excellent for cleaning and disinfecting safety workbenches, laboratory fume hoods, and isolators. The device functions like a short, narrow mop.

- Ideal for hard-to-reach areas
- Completely made of stainless steel 1.4404
- Autoclavable at 121 °C
- References easily interchangeable  
→ available in sterile or non-sterile version
- Suitable for clean room class A



*Cleaning tool*

# CLEANROOM TECHNOLOGY

## Highest demand for air purity

Cleanroom technology refers to all technical measures that control the number of particles in a cleanroom. In a cleanroom, the goal is to keep the number of airborne particles as low as possible. Two fundamentally different principles are generally applied for this purpose.

### 1. Turbulence-free displacement flow:

Here, the clean air flows into the clean room turbulence-free and usually vertically (also called laminar flow).

2. Turbulent dilution flow: Here, the clean air is introduced into the clean room in a swirling manner, creating a continuous dilution of the particle concentration.



## Cross Flow Unit

### The weighing cabin

DIN EN ISO 14644-1

The CrossFlow Units are suitable as a solution for powder containment during sampling, weighing, and dosing processes. They operate with a slight vacuum, which isolates the module from the environment and eliminates the risk of contamination.

- Especially suitable for the pharmaceutical and chemical industry
- A safe and hygienic manufacturing process is ensured

Display



## Laminar Air Flow Booth

### The flexible cleanroom

DIN EN ISO 14644-1

The flexible cleanroom systems from FASTER consist of independent safety modules with HEPA particulate filters of class H14 and motor fans that provide air quality of class ISO 5.

- Polycarbonate or PVC strip curtains
- Connectable in various sizes
- With stainless steel support legs or
- suspended from the ceiling

Display



Personal  
protection



## Air Shower

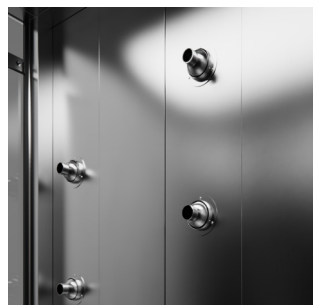
### The personnel air shower

DIN EN ISO 14644-1

The air shower is a sealed chamber designed for integration with a clean room. Fine dust is effectively eliminated using specialized aluminum nozzles.

The filtered air is directed onto the body and clothing at high velocity (exceeding 25 m/s) and subsequently drawn downwards.

This process expels contaminated air from the room, which is then cycled back through G3 pre-filters and a highly efficient HEPA filter.



Movable aluminum air nozzles



Manometer



Product  
protection



## Airlocks

### The H<sub>2</sub>O<sub>2</sub> airlock with NHP process

FASTER's H<sub>2</sub>O<sub>2</sub> airlock is used for the controlled transfer of materials between rooms with different cleanliness classes. This minimizes the risk of air contamination as much as possible.

Depending on the cleanroom standard or specific requirements, the units can be installed as simple transfer airlocks without air filtration (passive airlocks).



Display

# CUSTOM-MADE PRODUCTS

Tailor-made solutions are our strength!



We understand how difficult it can sometimes be to find the right product. Just as diverse as our customers are, so are their individual requirements and specifications.

We are happy to actively support you in implementing your custom request. Together, we will find the best solution for your specific needs.

## One-of-a-kind pieces that cannot be replicated.

Our sales team is always in close coordination with production. This allows us to create the conditions for your custom request right from the quotation phase. From the idea to commissioning, we work closely with our customers to find a fast and flexible solution together. Particular emphasis is placed on careful consultation and planning as well as professional execution.

In the new FASTER production facility in Italy, it is possible to quickly and reliably manufacture custom constructions of workbenches, laboratory fume hoods, isolators, or cleanroom systems using the latest production techniques.



*Disposal connection*



*Custom work surface with recess*



*Selection of various worktops*



*Electrically height-adjustable base frame*

# LABOR FURNITURE

## Modular, safe and ergonomic



*All laboratory workstations are made of stainless steel and are fire-resistant to the highest A1 class. Invisible screws, robust, smooth structures allow for easy and hygienic cleaning.*



### Let's plan your laboratory together!

The laboratory furniture of the FORLAB4YOU series allows you to combine safety, productivity, and comfort at your workstation through its practical modular design. We support you in every step of your laboratory project – from the idea and planning to installation according to your individual preferences.



# ULTRA-LOW TEMPERATURE FREEZERS

Wherever secure and protected short-term or long-term freezing storage of materials is required, ultra-low temperature freezers are indispensable. FASTER's freezers stand out for their low energy consumption, highly efficient fan motors, and environmentally friendly hydrocarbon refrigerants.



Maximum energy efficiency



Very low noise emission



VIP+ hybrid insulation



USB port for data downloading



Fault alarms for maximum safety



Racks for optimal use of interior space



Precise temperature control



Reliable emergency power supply system



Ergonomic door handle





## ColdFAST M-Series

The state-of-the-art ultra-low temperature freezers of the ColdFAST M series reliably maintain the set temperature of up to -86°C. In case of malfunctions, the multiple alarm functions are triggered as soon as a set parameter is exceeded. The user-friendly touch display and low noise level ensure easy and comfortable operation.

- Highly efficient thermal insulation system
- 7-inch LCD touch display
- Highly efficient VIP vacuum insulation panels
- Integrated WiFi to upload data to cloud storage, monitor the device, quickly check the freezer's status, and ensure sample safety
- Up to 40% lower energy consumption
- Low-noise direct cooling circuit



Model-Type	DW-HL398M	DW-HL528M	DW-HL678M	DW-HL778M	DW-HL858M	DW-HL1008M
Cooling performance (°C)	-86	-86	-86	-86	-86	-86
Temperature range (°C)	-40 – -86	-40 – -86	-40 – -86	-40 – -86	-40 – -86	-40 – -86
Power supply (V/Hz)	200-240/50	200-240/50	200-240/50	200-240/50	200-240/50	200-240/50
Power (W)	1400	1300	1410	1380	1640	1725
Current (A)	11,1	11,1	12,1	11,8	11,5	12,1
Energy consumption (KWh/24h)	8,0	8,6	9,4	10,6	11,4	12,8
Noise level (dB(A))	50	50	51	51	51	54
Capacity (l)	398	528	678	778	858	1008
Net/Gross weight (kg)	251/289	251/289	336/383	359/403	390/470	430/510
Interior dimensions (W×D×H, mm)	440×696×1266	585×696×1266	750×696×1286	865×696×1286	877×696×1378	1022×696×1378
Exterior dimensions (W×D×H, mm)	786×1040×1947	931×1040×1947	1093×1025×1955	1205×1025×1955	1220×1028×1994	1365×1028×1994



# ColdFAST S-Series

The state-of-the-art Cryo Freezer ColdFAST S Series offers safe and efficient storage of biological samples and medical materials. With advanced technology, maximum storage capacity, and user-friendly operation, it is ideal for research institutions, laboratories, hospitals, and medical centers.

- Two-stage cascade system
- Two inverter compressors
- 10-inch LCD touch display
- Hydrocarbon refrigerator
- Low energy consumption
- 304 stainless steel casing



Model-Type	DW-HL398S	DW-HL528S	DW-HL778S	DW-HL858S	DW-HL1008S
Cooling performance (°C)	-86	-86	-86	-86	-86
Temperature range (°C)	-40 – -86	-40 – -86	-40 – -86	-40 – -86	-40 – -86
Power supply (V/Hz)	110-230/50-60	110-230/50-60	110-230/50-60	110-230/50-60	110-230/50-60
Power (W)	690	650	790	775	850
Current (A)	4,4	4,5	7,5	7,0	7,4
Energy consumption (KWh/24h)	7,2	7,8	8,2	8,4	9,8
Noise level (dB(A))	44	44	44	46	56
Capacity (l)	398	528	778	858	1008
Net/Gross weight (kg)	237/314	260/350	365/462	390/431	426/516
Interior dimensions (W×D×H, mm)	440×696×1266	585×696×1266	865×696×1286	877×696×1378	1022×696×1378
Exterior dimensions (W×D×H, mm)	785×1041×1947	930×1041×1947	1205×1025×1955	1217×1025×1944	1362×1155×2176

## M-Series VS. S-Series

With a single cascade system powered by 2 compressors, it maintains a constant  $-86^{\circ}\text{C}$ . Even if one compressor fails, a temperature of  $-70^{\circ}\text{C}$  is still maintained. With a 7-inch display and a temperature range of  $-86^{\circ}\text{C}$ , the M-series is the perfect option for research projects that require a safe and stable cooling environment.

**Reliable deep cooling:** With a single cascade system and 2 compressors, the M-series provides reliable cooling down to  $-86^{\circ}\text{C}$ .

**Cost efficiency:** The M-series offers an affordable option for laboratories and research institutions that require stable cooling.

**Wide temperature range:** Even if one compressor fails, a temperature of  $-70^{\circ}\text{C}$  is still maintained, which is sufficient for many applications.

Thanks to their dual-cascade cooling system with 2 compressors, they offer impressive energy savings. The S-series covers a wide temperature range, from room temperature to  $-40^{\circ}\text{C}$  and from  $-40^{\circ}\text{C}$  to  $-86^{\circ}\text{C}$ . With a 10-inch display and an innovative refrigerant system using propane (high stage) and ethane (low stage), they provide precise cooling conditions for various requirements.

**High energy efficiency:** The S-series is characterized by high energy savings, which can reduce costs in the long term.

**Wide temperature range:** With a temperature range from room temperature to  $-40^{\circ}\text{C}$  and from  $-40^{\circ}\text{C}$  to  $-86^{\circ}\text{C}$ , it offers greater flexibility for various applications.

**Larger display:** With a 10-inch display, the S-series provides a more user-friendly interface and greater control over the settings.

## ColdFAST 100HC Ultra-low freezer



The small freezer DW-HL100 from FASTER is an undercounter freezer designed for laboratory and medical use. This ultra-low freezer is equipped with highly precise temperature control, ensuring a consistent temperature range from  $-40^{\circ}\text{C}$  to  $-86^{\circ}\text{C}$ .

The targeted cooling of the freezer allows for rapid cooling. The mini-freezer features a vacuum-insulated, foamed VIP Plus door with sealing. The six sides of the housing are made from high-performance vacuum insulation materials, which significantly improve thermal insulation performance.

# ColdFAST ST-Series



Model-Type	530ST	780ST
Cooling performance (°C)	-86	-86
Temperature range (°C)	-40 – -86	-40 – -86
Power supply (V/Hz)	110-230/50-60	110-230/50-60
Power (W)	860	795
Current (A)	6,52	6,81
Energy consumption (KWh/24h)	9,46	11,83
Noise level (dB(A))	54,4	54,2
Capacity (l)	530	780
Net/Gross weight (kg)	262/361	331/440
Interior dimensions (W×D×H, mm)	585 x 696 x 1266	865 x 696 x 1286
Exterior dimensions (W×D×H, mm)	930 x 1041 x 1947	1205 x 1025 x 1955

The S-Twindrive ultra-low temperature freezer is equipped with two independent cooling systems, and the dual cooling system provides the highest level of protection. If one system unexpectedly fails, the other can maintain the freezer at -75°C. This ensures that valuable and irreplaceable samples are always adequately protected.

- Inverter technology, two inverter compressors
- High-resolution 10-inch control panel for setting the temperature range from -40°C to -86°C with digital temperature display accurate to 1°C
- Lockable door, keypad lock, and password protection prevent unauthorized access and operation
- Ultra-low freezer with interior made of stainless steel and exterior made of painted steel sheet, featuring 4 universal wheels for easy movement



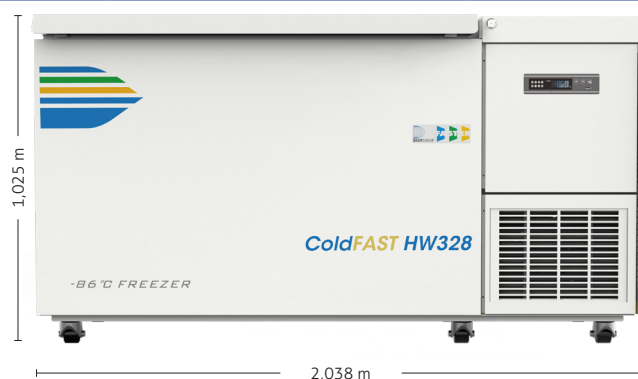
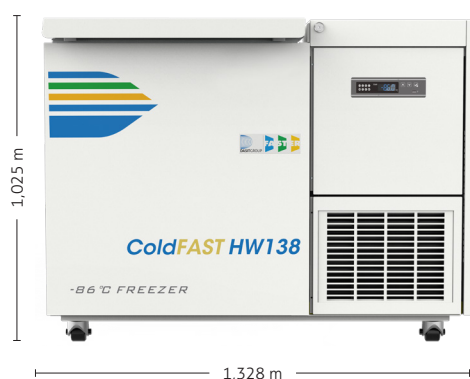
## ColdFAST HW Chest freezers



The -86°C ultra-low temperature chest freezers from FASTER are available in three different sizes and feature a microprocessor-based temperature control system, allowing temperature settings from -40°C to -86°C.

- Microprocessor-controlled temperature regulator
- Acoustic and visual alarm system
- Ergonomic design of the structure
- Highly efficient cooling system
- Laboratory-grade freezer
- With USB temperature recorder, long-lasting backup battery for recorder and controller operation

Model-Type	HW138	HW328	HW668
Cooling performance (°C)	-86	-86	-86
Temperature range (°C)	-40 – -86	-40 – -86	-40 – -86
Power supply (V/Hz)	220-240 ~ / 50	220-240 ~ / 50	220-240 ~ / 50
Power (W)	940	960	1660
Current (A)	5,78	5,6	9,5
Energy consumption (KWh/24h)	6,5	9,6	15,1
Noise level (dB(A))	56,7	54,4	56,1
Capacity (l)	138	328	668
Net/Gross weight (kg)	200/262	280/370	352/495
Interior dimensions (W×D×H, mm)	490×470×582	1200×470×582	1200×815×666
Exterior dimensions (W×D×H, mm)	1328×890×1025	2038×890×1025	2008×1180×1041



# CRYOGENIC FREEZERS

With a storage environment of  $-150^{\circ}\text{C}$  and  $-164^{\circ}\text{C}$ , the UW and ZW freezer series from FASTER are suitable for storing a wide range of biological samples. This includes viruses, erythrocytes, leukocytes, skin, bone, sperm, oceanic products, specialized test materials, and even electronic products for testing, all stored safely at a constant temperature. Thanks to its powerful, low-noise design, FASTER's deep freezers ensure sustainable and stable cooling. Due to their high cooling precision and exceptional functionality, these freezers are the first choice for special material testing, use in hospitals and university laboratories, healthcare, and more.



Maximum energy efficiency



Very low noise emission



VIP+ hybrid insulation



USB port for data downloading



Fault alarms for maximum safety



Racks for optimal use of interior space



Precise temperature control



Reliable emergency power supply system



# ColdFAST UW -150°C Cryo Chest

The -150°C Cryo Chest Freezer DW-UW128 is a powerful freezer designed for the long-term storage of samples at extremely low temperatures. With its ability to reach and maintain temperatures as low as -150°C, it provides an ideal environment for storing sensitive biological samples and medical materials.

- Unique, highly efficient, and recyclable cooling system with CO2 backup system
- The startup delay and stop interval protection function ensure reliable operation
- The keypad lock function and password protection prevent unauthorized changes to operating parameters
- Unique dual foaming technology and super-thick VIP insulation tightly trap cold air to ensure the maximum insulation effect

Model-Type	UW128	UW258
Cooling performance (°C)	-150	-150
Temperature range (°C)	-110 – -150	-110 – -150
Power supply (V/Hz)	380 / 50-60	380 / 50-60
Power (W)	4000	4500
Current (A)	20,69	20,8
Noise level (dB(A))	68	70
Capacity (l)	128	258
Net/Gross weight (kg)	390 / 529	435 / 510
Interior dimensions (W×D×H, mm)	510 x 460 x 540	1140 x 410 x 552
Exterior dimensions (W×D×H, mm)	1665 x 1000 x 1115	2250 x 940 x 1120



VIP Isolierung



304 rostfreier Stahl



Control and safety system



Damping system

# ColdFAST ZW -164°C Cryo Chest

The -164°C Cryo Chest DW-ZW128 is a state-of-the-art freezer specifically designed for the storage of samples at extremely low temperatures. With its impressive ability to reach and maintain temperatures as low as -164°C, it provides an ideal environment for the long-term storage of sensitive biological samples and medical materials. Its advanced features and reliable performance make it an indispensable tool in research, development, and medical diagnostics.

- Despite its powerful cooling, the DW-ZW128 is designed with maximum insulation efficiency to minimize operating costs.
- Unique, highly efficient, and recyclable cooling system with CO2 backup system.
- Startup delay and stop interval protection function.
- Keypad lock function and password protection feature.

Model-Type	ZW128
Cooling performance (°C)	-164
Temperature range (°C)	-120 – -164
Power supply (V/Hz)	380 / 50-60
Power (W)	3500
Current (A)	21,0
Noise level (dB(A))	71,7
Capacity (l)	128
Net/Gross weight (kg)	380 / 445
Interior dimensions (W×D×H, mm)	510 x 460 x 540
Exterior dimensions (W×D×H, mm)	1665 x 1000 x 1115



# DECONTAMINATION

Cleanrooms and safety workbenches must be decontaminated at regular intervals for the safety of laboratory and service staff.



## Hydrogen peroxide fumigation

As a certified provider, we perform the decontamination of safety workbenches and isolators using H<sub>2</sub>O<sub>2</sub> fumigation. The service is carried out by specially trained TÜV and FASTER-certified service technicians.

- Significantly lower health hazard potential compared to formaldehyde
- Safe and effective – fast and cost-efficient
- Residue-free process without the need for re-cleaning
- Validated process
- Compliance with 21 CFR Part 11

# REQUALIFICATION

In addition to regular decontamination, proper maintenance and GMP-compliant requalification are essential for the operation of laboratory equipment.

Our service technicians are highly qualified for this and are not only trained directly at our facility but also regularly certified by TÜV Rheinland.

Based on our quality assurance system DIN EN ISO 9001:2008, the continuous training of our team is an integral part of our quality commitment.

## We offer requalifications for

- Microbiological safety workbenches
- Laboratory fume hoods
- Product protection workbenches
- Isolators
- Ultra-low temperature freezers

# SERVICE

## Always on the safe side

In laboratory and cleanroom work, precision, safety, and reliability are the top priorities. Our customers need an experienced and competent partner who is committed to these values and is ready to assist with advice and support. Our service package for the entire FASTER product range includes:



### **Around-the-clock service: Personalized and available at any time**

Our TÜV-certified service technicians are available to you around the clock. Contact our free 24-hour hotline or request a service technician on-site directly.



### **Custom maintenance packages: For enhanced safety**

Regular maintenance of the laboratory equipment ensures safety – with special maintenance contracts, we guarantee the inspection of all functions of your devices, including third-party equipment.



### **Everything from a single source**

- Laboratory equipment
- Laboratory consumables
- Service



### **Delivery and commissioning: Strong partners**

We deliver all equipment ex works. Upon request, our TÜV-certified service technicians can commission the equipment directly.



### **Customer service**

Through our nationwide field service employees and partnerships with distributors, we are always quick and personal at your location.



### **Labor planning for cleanrooms**

We assist you in setting up a GMP-compliant cleanroom complex. Upon request, we can create a basic concept for you or advise you on integrating pharmaceutical and regulatory requirements.



### **Equipment leasing: Instead of buying or financing**

Have you ever considered leasing? We offer attractive and straightforward leasing models for safety workbenches, isolators, and other laboratory equipment. Ask about our offers!

# PERSONAL NOTES

## to do's

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