

BINDER **INDIVIDUAL**

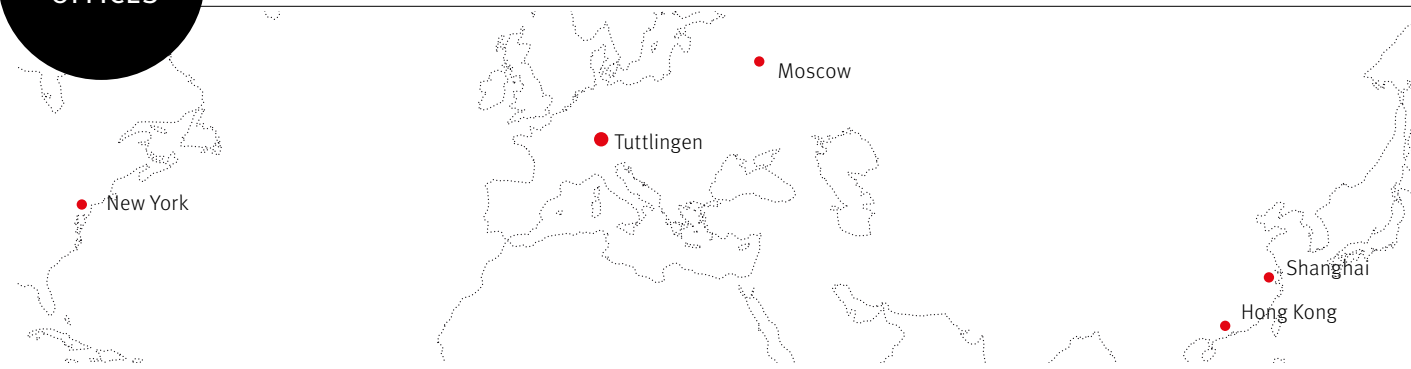
Series production devices for special requirements



22.000

BINDER SIMULATION CHAMBERS SUPPLIED ANNUALLY AROUND THE GLOBE

SALES OFFICES



BINDER INDIVIDUAL

Individual solutions to meet your unique requirements

Individual extras for your simulation chamber – BINDER INDIVIDUAL makes it possible. Even though the BINDER portfolio contains an incredibly wide variety of products and equipment options, some highly specific customer requirements still cannot be met by a device manufactured in series production. We can, however, adapt these devices to fit your individual requirements profile.

housing, special access ports, extra mechanical convection or much more, we use a proven series production product to create your customized solution. This solution is developed by our experts and manufactured as a single unit or in small series production.

This capability is based on BINDER simulation chambers, which consistently offer outstanding “made in Germany” quality. Designed for a wide range of applications and industries, they enable the accurate simulation of biological, chemical and physical environmental conditions in scientific and industrial laboratories. In our BINDER INDIVIDUAL department at the Tuttlingen plant, we turn your unique requirements into reality. Be it stainless steel

BINDER series production device

Series production products offer guaranteed premium quality



Serially produced safety drying chamber

BINDER series production device & optional series production equipment

With accessories and equipment options, series production products can be optimized for popular requirements profiles.



Safety drying chamber with coil coating door flap option

BINDER INDIVIDUAL

Highly specialized individual solutions are the result of the custom modification and enhancement of series production devices.



Safety drying chamber with drawers

“ BINDER INDIVIDUAL devices support sophisticated laboratory processes and enable optimal results. ”

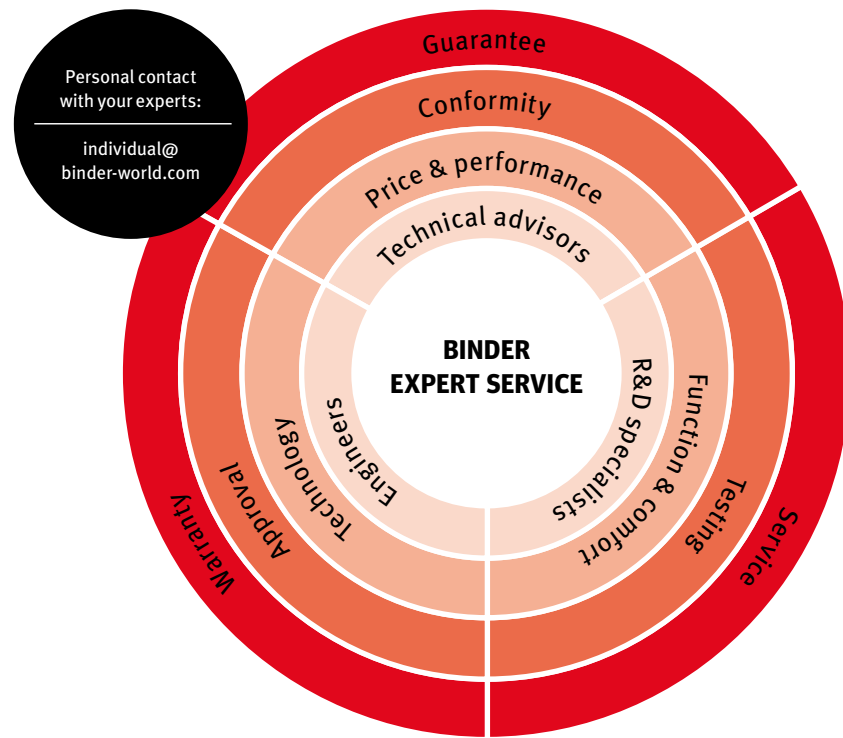
Partner for simulation chambers with additional equipment

The solution for your special requirements

What are your requirements? When creating your BINDER INDIVIDUAL device, we consistently strive to implement both your ideas and our simulation chamber expertise. From the smallest add-on to major device enhancements, this enables us to ensure an innovative special solution.

Your individual simulation chamber is born in personal conversations between you and the BINDER INDIVIDUAL experts. Technical advisors, application specialists and engineers consult with you in detail about custom modifications to the series production device. This allows us to develop and execute a high-tech, cost-effective product within a very short period of time – tailored to your special requirements with renowned BINDER premium quality.

INTEGRATED SOLUTIONS FROM BINDER INDIVIDUAL



The BINDER INDIVIDUAL advantage

Your basis for secure and cost-efficient processes

For your specific application, you need a special simulation chamber – but without the special hassle. With BINDER INDIVIDUAL, turning your ideas into reality is simple and cost-effective. From the straightforward request process with our experts, outstanding technical advising and quick delivery to the efficient use of your individual device in your day-to-day work.

The additional functions provided by your BINDER INDIVIDUAL device allow you to increase the efficiency and effectiveness of your workflows. An added bonus: Because your special solution is based on a certified series production product, the full warranty also covers all enhancements.

MADE IN GERMANY

► BENEFITS ACROSS THE BOARD

- **TIME-SAVING** – individual solutions are based on BINDER series production devices that are kept in stock
- **ECONOMICAL** – consulting, costing and proposals for solutions are free of charge
- **INNOVATIVE** – integrated solutions thanks to individual technical consultations
- **CONVINCING** – execution of individual requirements is simple and affordable
- **RELIABLE** – thanks to BINDER's premium "made in Germany" quality
- **COMPLETELY STRESS-FREE** – full warranty for the device including all enhancements
- **FAST** – device delivered about 6 – 8 weeks after order is placed



PRECISE

➤ To cultivate human cells under GMP conditions, we use 18 CB 210 CO₂ incubators from BINDER in a clean room. For hygienic reasons, these units had to be installed in the clean room walls so that only the doors would project into the clean area – BINDER used its expertise to provide a professional solution.

MARTIN KAYSER / Center for Regenerative Medicine, University of Zurich



For our test series with special “heavyweight” cells and modules, the MK 240 environmental simulation chamber with its reinforced inner chamber floor is the perfect tool. So are our customized MK 720 units with a total load capacity of 400 kg.

HOLGER BLANKE / RWTH Aachen

COST-EFFICIENT



The most compelling benefit for us is the ability to customize the units, which means that we were able to tailor the climate chambers to fit our specific needs.

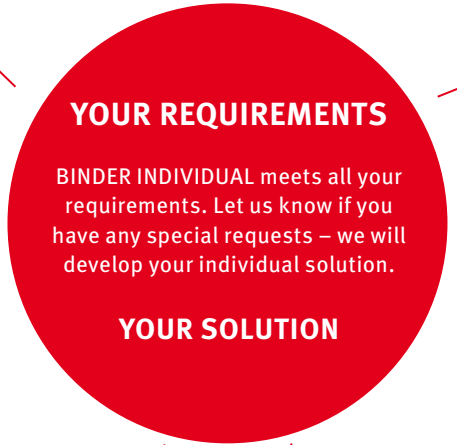
JOHANNES RÖSSNER / TÜV SÜD Battery Testing GmbH



Thanks to its homogenous temperature distribution, the elastomer mechanical convection test chamber – which is based on the FP 115 – is the ideal device for testing innovative plastics.

GUIDO PETERS / UL International TTC GmbH

FAST



Cell and module test chamber for performance tests

MK 240 model

Requirements

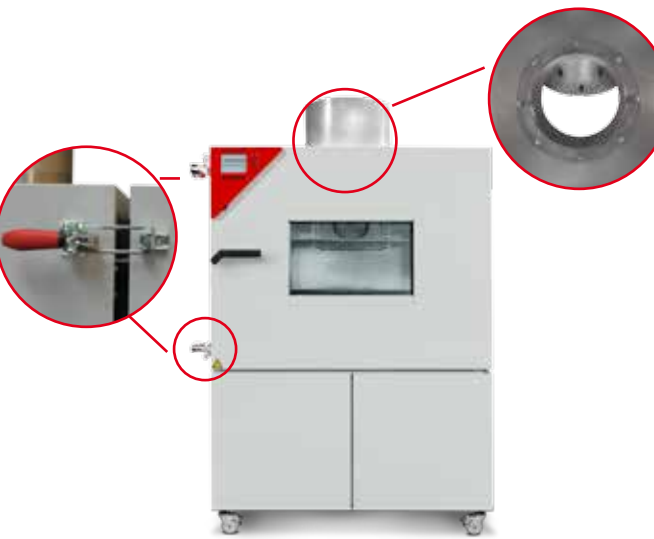
- Auxiliary protective measures
- Access ports for power and measuring cables

Added value

- Protective measures
- User-friendly operation
- Also suitable for aging tests

Solution

- Inert gas connection
- 2 cable access ports, each 100 mm, on left and right
- Second, independent, and permanently installed adjustable temperature safety device at 120 °C
- Limited to 120 °C on controller
- Heated pressure relief valve at top with 150 mm diameter
- Door-locking mechanism with 2 closing brackets on the side



Alternating climate chamber with hand access ports

MKT 115 model

Requirements

- Testing of rubber samples
- Work on the test material with the door closed
- Access ports with removable gloves
- Sealable openings

Added value

- Hand access ports enable work to be carried out on test material when door is closed
- Climate in the chamber and at the test objects remains unaffected
- Thanks to removable gloves and sealable openings, the full temperature range of the chamber can be utilized

Solution

- Glass door
- 2 stainless steel hand access ports with glove attachment DN 140
- 2 silicone sealing plugs
- 1 pair of dry-box gloves made from neoprene
- 1 cover for hand access port area
- Simple removal of gloves



Constant climate chamber with 4 light sensors

KBF LQC 720 model

Requirements

- Precise measurements with equal light quantities on each level
- 1 sensor under each illumination cassette
- Total of 4 illumination cassettes with sensor

Added value

- Measurement with exact light dosage for each level

Solution

- 4 VIS sensors in total, 1 sensor per level
- Second controller for visualizing light quantity on additional levels
- Fourth illumination cassette



Drying oven with stainless steel housing

FED 400 model

Requirements

- Complete stainless steel version to meet strict hygiene standards of food industry

Added value

- Compliance with hygiene standards of the food industry
- Excellent corrosion protection

Solution

- Stainless steel housing 1.4301



Material test chamber with status indication

M 400 model

Requirements

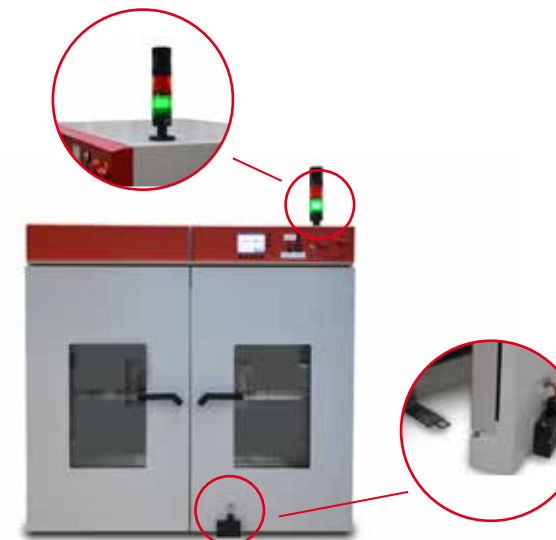
- Clear display of process progress
- Process must not be interrupted when door is opened
- Functions should be programmable
- Acoustic feedback

Added value

- Reliable testing
- Central monitoring of fault indications and temperature sensors
- Reproducible test results

Solution

- LED signal lights
- Programmable control contacts
- Electromechanical door-locking mechanism
- Lockable controller with key
- Acoustic signal via buzzer



Cooling incubator with special light

KB 115 model

Requirements

- Version of a 115-liter device with illumination cassettes for various light spectrums: black light, daylight
- Space-saving mounting of lamps
- Illumination on 2 shelf levels

Added value

- Light test possible in small device
- Test objects can be illuminated on two shelves at the same time
- Shelf height remains variable

Solution

- Two 9W lamps
- One lamp integrated into the ceiling
- Second illumination cassette mounted under the shelf to save space
- G 23 socket for all commercial lamps
- On/off switch on control panel



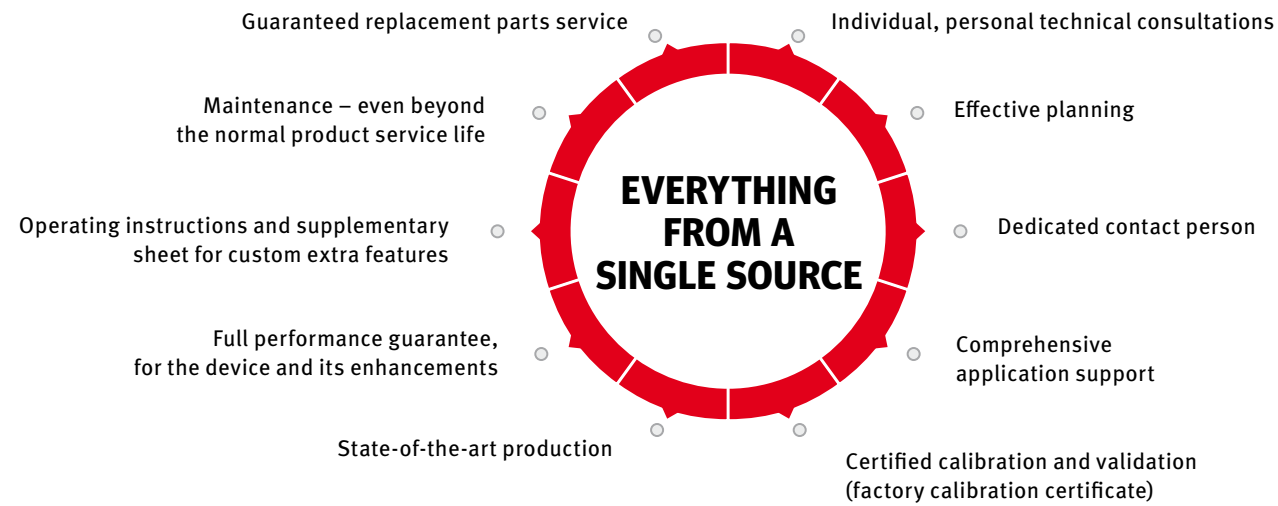
Comprehensive first-class service and consulting

What can we do for you?

Expect more from BINDER INDIVIDUAL. For the custom enhancement or modification of your simulation chamber, we offer everything from a single source: industry-specific

know-how, technical competence and a comprehensive range of services that includes advising, planning, validation, warranty and service.

FULL SERVICE FROM BINDER INDIVIDUAL



EXAMPLES OF PROVEN BINDER INDIVIDUAL SOLUTIONS

- Pull-out units for loading without opening the door
- Front panel for additional protection against gas leakage
- Electromagnetic door locking to secure the door when program is in operation
- Stainless steel versions to meet the hygiene standards of the food industry
- Divided inner glass doors for individual loading or removal of the sample objects
- Warning lights for indicating the status of the program operation
- Inert gas connections for various applications
- Illumination cassettes with special lamps
- O₂ and/or CO₂ regulation in cooling incubators or climate chambers
- Doors and access ports for connections to various measuring instruments
- Interior UV lamps for special UV-resistance tests
- Increased heating power up to 350 °C
- Reinforcement of inner chamber or shelves for particularly heavy sample objects
- Glass door or viewing windows of different sizes for viewing the sample objects

Versatile options for enhancements

Help design your simulation chamber!

Whether you're looking for precision or speed, or whether you need a special coating, heated pressure relief valves or protective brackets. No matter what kind of special requirements you have:

BINDER INDIVIDUAL opens up countless customization possibilities to fit your requirements profile.

THE BINDER INDIVIDUAL RANGE OF SERVICES

- > Customized optimization of heat, refrigeration, humidity, light, air, CO₂ or O₂ supply
- > Customized measurement, management control and switching based on specific requirements
- > Integration into systems
- > Connections, outputs and access ports
- > Redesign of specific parameters, e.g. reinforced interior chamber
- > Integration of individual parts



Multiple-split cover



Hand access ports



Alarm lights



Access ports for pipes



Light dimming in the chamber



Reinforced floor

From the initial request to your custom unit

Only four steps separate you and your special BINDER INDIVIDUAL solution

- 1 REQUEST**
 Your request is sent to us either directly or through a trade partner. Here, simply let us know your specific requirements for the application along with any concrete specifications, data etc.
- 2 PROCESSING**
 The BINDER INDIVIDUAL experts will review your requirements, e.g. in terms of optimal technical and economic feasibility. Here, they may suggest an alternative solution while working very closely with you on every decision that is made.
- 3 OFFER**
 Once all the basic details have been taken care of, you will receive our offer. It will include the description of the proposed solution, as well as the price and delivery time.
- 4 EXECUTION**
 If you decide to go ahead with our offer and give us your approval for the mechanical drawings, we will begin the production process. Your custom extras will be documented on a supplementary sheet in the operating instructions. We will deliver your device approximately 6 – 8 weeks after the order is placed.

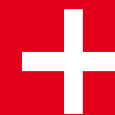


“ A single BINDER INDIVIDUAL device combines roughly 800 precision parts – and your special requests. ”



MORE COST-EFFICIENT!

No new development or custom manufacturing.



MORE COMPREHENSIVE!

An extensive solution that integrates technology, quality and service.



FASTER!

Special solution built using series production devices kept in stock.



MORE PRECISE!

Superior quality assurance, since device is based on series production device.

BINDER INDIVIDUAL

BINDER INDIVIDUAL develops and produces your special solution with the latest technology and craftsman-like care. From engineering and documentation to service, all steps perfectly complement one another – and you receive a comprehensive custom solution with genuine BINDER “made in Germany” quality.

- All components come from a single source and are part of a well-coordinated overall solution
- Compliance with DIN ISO EN 9001 standards
- We guarantee all of our customized solutions
- Complete operating manual including a supplementary sheet for all extra features
- Immediate identification of components to assist repeat purchases

BINDER products

CO₂ incubators

Incubators

Cooling incubators

Growth chambers

Ultralow temperature freezers

Drying and heating chambers

Safety drying chambers

Vacuum drying chambers

Constant climate chambers

Dynamic climate chambers



Never miss a product novelty -
Subscribe and keep up to speed with
the BINDER monthly newsletter.

Subscription

go2binder.com/us-newsletter-subscription



Best conditions for your success

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