BINDER INDIVIDUAL
Series production devices for special requirements
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.

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 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.

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.

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.

INTEGRATED SOLUTIONS FROM BINDER INDIVIDUAL

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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

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

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 ROSSNER / TÜV SÜD Battery Testing GmbH
<table>
<thead>
<tr>
<th>Added value</th>
<th>Requirement</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Precise measurements with equal light quantities on each level</td>
<td>• Four VIS sensors in total, one sensor per level</td>
<td>• Second controller for visualizing light quantity on additional levels</td>
</tr>
<tr>
<td>• Measurement with exact light dosage for each level</td>
<td>• Four illumination cassettes</td>
<td></td>
</tr>
<tr>
<td>• Reliable testing</td>
<td>• LED signal lights</td>
<td>• Programmable control contacts</td>
</tr>
<tr>
<td>• Central monitoring of fault indications and temperature sensors</td>
<td>• Electromechanical door-locking mechanism</td>
<td>• Lockable controller with key</td>
</tr>
<tr>
<td>• Simple manual of use</td>
<td>• Acoustic signal via buzzer</td>
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**Material test chamber with status indication**

<table>
<thead>
<tr>
<th>Added value</th>
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</thead>
<tbody>
<tr>
<td>• Glass door</td>
<td>• Drying oven with stainless steel housing</td>
<td>• Functional steel housing 1.4301</td>
</tr>
<tr>
<td>• 2 stainless steel hand access ports with glove attachment DN 140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 2 silicone sealing plugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 1 pair of dry-box gloves made from neoprene</td>
<td></td>
<td></td>
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<tr>
<td>• 1 cover for hand access port area</td>
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**Cooling incubator with special light**

<table>
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<tr>
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<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>• LED light</td>
<td>• Cooling incubator with special light</td>
<td>• Two red LED lights</td>
</tr>
<tr>
<td>• Acoustic signal via buzzer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Acoustic feedback</td>
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**Call and module test chamber for performance tests**

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<tbody>
<tr>
<td>• Multiple sensors at each level for equal light quantities</td>
<td>• Precise measurements with equal light quantities on each level</td>
<td>• Second controller for visualizing light quantity on additional levels</td>
</tr>
<tr>
<td>• Measurement with exact light dosage for each level</td>
<td>• Four illumination cassettes</td>
<td></td>
</tr>
<tr>
<td>• Reliable testing</td>
<td>• LED signal lights</td>
<td>• Programmable control contacts</td>
</tr>
<tr>
<td>• Central monitoring of fault indications and temperature sensors</td>
<td>• Electromechanical door-locking mechanism</td>
<td>• Lockable controller with key</td>
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<td>• Simple manual of use</td>
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**Constant climate chamber with 4-light sensors**

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<td>• Four VIS sensors in total, one sensor per level</td>
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**Alternating climate chamber with hand access ports**

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>• Hand access ports enable work inside the chamber and at the test objects</td>
<td>• Hand access ports enable work inside the chamber and at the test objects</td>
<td>• Functional steel housing 1.4301</td>
</tr>
<tr>
<td>• All functions including data logging can be operated from outside</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Door access with removable gloves</td>
<td></td>
<td></td>
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<td>• Hand access ports enable work inside the chamber and at the test objects</td>
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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.

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.

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
- \( \text{O}_2 \) and/or \( \text{CO}_2 \) 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

THE BINDER INDIVIDUAL RANGE OF SERVICES

- Customized optimization of heat, refrigeration, humidity, light, \( \text{O}_2 \), \( \text{CO}_2 \), or \( \text{CO}_2 \) 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

FULL SERVICE FROM BINDER INDIVIDUAL

- Guaranteed replacement parts service
- Comprehensive application support
- Certified calibration and validation (factory calibration certificate)
- Individual, personal technical consultations
- Effective planning
- Dedicated contact person
- Comprehensive application support
- State-of-the-art production
- Operating instructions and supplementary sheet for custom extra features
- Full performance guarantee, for the device and its enhancements

EVERYTHING FROM A SINGLE SOURCE

- Hand access ports
- Alarm lights
- Multiple-split cover
- Access ports for pipes
- Light dimming in the chamber
- Reinforced floor
- Reinforced floor
From the initial request to your custom unit
Only four steps separate you and your special BINDER INDIVIDUAL solution

REQUEST
1. 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.

PROCESSING
2. 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.

OFFER
3. 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.

EXECUTION
4. 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."
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.

go2binder.com/us-newsletter-subscription

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