



BETTER BASICS
LABORBEDARF

INFORMATION ON

SAVING SPACE IN NEW LABORATORY

BUILDINGS BY USING THE SMARTRACK®



CREATING VALUE WITHOUT WASTE:

SAVING SPACE IN EXISTING LABORATORIES

BY USING THE SMARTRACK®

THE SMARTRACK® ALREADY PAYS BACK ITS INVESTMENT COSTS FROM THE FIRST YEAR OF ITS USE.

- Each SmartRack® saves € 5.200 in investment costs for new laboratory buildings
- By using a SmartRack®, a space saving of approximately two laboratory grids of 300 mm each can be assumed.
- With passage areas saved in front of the fume hood, this results in a space saving of 1.00 m².



BEFORE

Picture of the initial situation:

A classic, usually very messy laboratory workstation with a high risk of injury, long search times and the risk of sample confusion and sample loss.



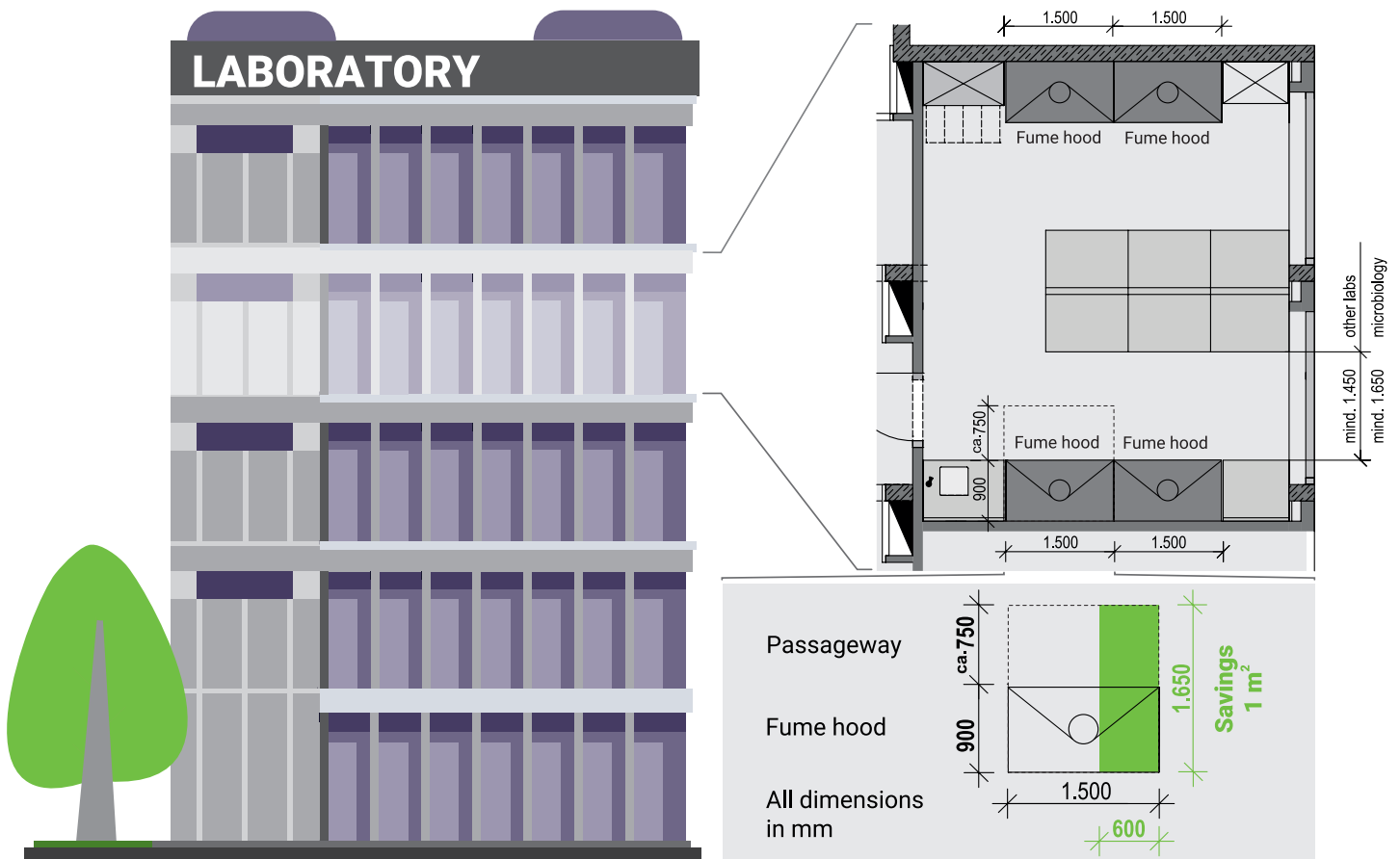
AFTER

Picture of the desired condition:

Very well-structured and tidy laboratory workstation **when using two SmartRack®**, in which the workstation has been extended with additional working space by taking advantage of the height. The central work surface is left free, allowing safe and efficient working.

How can up to 80% space be saved by using the SmartRack®?

- The use of the SmartRack® offers enormous potential in terms of optimising laboratory workstations and increasing efficiency in work processes. This is made possible by the modularity of the SmartRack®, because with just one click you can adapt your organisational system to your individual needs and remain flexible in terms of height and depth in the use of your workplace – at the same time, all the work equipment will always stay at hand and organised.
- As the world’s only organisation system for laboratory workstations, the SmartRack® allows the consistent use of the room height at the laboratory workstation to create additional storage areas. This is a significant advantage, especially when working in fume hoods and safety cabinets.
- Classic cork rings for the storage of round flasks, tripod linkage for the storage of shaking or separating funnels and chromatography columns are associated with a large space requirement, instability and a high time investment during construction. The SmartRack® solves all these problems.
- Holders already exist for numerous consumables, such as sample tubes, cell culture tubes, beaded bottles or laboratory screwed bottles, but these are neither coordinated with each other, nor can they be stored one above the other in height to save space. This means that the work in the laboratory fume hood or in the laboratory safety cabinet takes place primarily at the table level. However, this work surface is very limited.
- So the SmartRack® makes it possible to clear a wide variety of laboratory accessories, glassware and samples from the table level into the SmartRack® and, by doing so, to create a free work surface. The usable working area is significantly increased by consistent use of the room height at the laboratory workstation. This results in space savings of up to 80%.



Schematic representation of the space saved through the use of the SmartRack® and the associated reduction of investment costs

**Every SmartRack® saves
€ 5.200 in investment costs**

By using a SmartRack®, a space saving of about 2 laboratory grids of 300 mm each can be assumed. With the passage area saved in front of the fume hood this results in a space saving of 1.00 m².

Strategic cost savings as early as the laboratory planning stage.

The use of the SmartRack® saves costs as early as the laboratory planning stage. The more efficient use of space eliminates the cost-intensive construction of laboratory space. In addition to the construction costs, other costs can also be saved by the lesser need for equipment. In the case of special laboratory fume hoods and safety cabinets, the savings due to the use of the SmartRack® are increased, since by reducing the width of a fume hood or safety workbench by one or two laboratory grids, e.g. from grid width 1,800 mm to 1,500 mm or 1,200 mm, significantly more costs for investment in laboratory equipment can be saved.

Note: The basis for calculating the construction costs per square metre of laboratory space was developed by experts who have been working in the field of laboratory planning for many years and can be provided on request.

ROI about cost savings for laboratory construction

Construction costs per square meter of laboratory space: **€ 5.200**

Potential savings per SmartRack® in square metres of laboratory space:

By using a SmartRack®, a space saving of approx. 2 laboratory grids (2 x 300 mm bench width) per SmartRack® plus 1.650 mm passage area in front can be assumed.

2 x 300 mm = 600 mm
600 mm x 1.650 mm corresponds to 1 m²

Potential savings per SmartRack® used in the construction of new laboratories: 5.200 €



Photo: Building of the Better Basics Laborbedarf GmbH in Dresden



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Dr. Marcus Heinze

Marcus Heinze was born in Zittau and is now a shareholder and head of development at Better Basics Laborbedarf GmbH. He completed his studies in polymer chemistry at the TU Dresden with a doctorate in the field of mineralisable hydrogels.

Today, he is responsible for development at Better Basics Laborbedarf. There, the possibilities of various 3D printing processes are combined with those of classic metal processing for optimal component design.

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YOU ARE INTERESTED IN OUR PRODUCTS OR YOU HAVE FURTHER QUESTIONS?

Get in touch with us:
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You can also find more information and news about our product innovations at
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Our request to you

A product like our SmartRack® is only as good as its users. With our roots in the Leibniz Institute for Polymer Research Dresden, our company Better Basics Laborbedarf stands for the tradition of "Made in Germany" quality. We feel in multiple aspects committed to this quality label for German companies, which stands for high innovative strength. Even beyond our product catalog, the same applies for us at Better Basics: Just contact us if you have ideas for extensions or improvements or if you notice something in your daily laboratory routine that we should optimize right away.

We want to create the best possible working environment for you in the laboratory and we are grateful for any comments and inspiration. We can jointly shape the future of laboratory work by cooperating with scientists and researchers. Just like you, we're always looking for a way to make our world a little better every day.

