

INFORMATION ABOUT

SAVING SPACE IN EXISTING LABORATORIES

BY USING THE SMARTRACK®



CREATING VALUE WITHOUT WASTE:

80% SAVING SPACE IN EXISTING LABORATORIES

BY USING THE SMARTRACK®

THE SMARTRACK® LABORATORY ORGANISATION SYSTEM ENABLES A MORE EFFICIENT USE OF SPACE IN THE EXISTING AREA AND CREATES FREE WORK SURFACES

- The SmartRack® pays back its investment costs through the added value created by a more **efficient use of space** and a **higher availability of free work surfaces** both when used in the laboratory fume hood and in the safety cabinet
- The innovative SmartRack® is an outstanding all-rounder. It ensures the safe and flexible provision and storage of laboratory glassware and consumables as well as laboratory work equipment in a space-saving manner - **with up to 80% space savings**.



The SmartRack® in a laboratory fume hood: space saving and efficiency go hand in hand

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%.

Application example: Use of the SmartRack® in the laboratory fume hood

By using the SmartRack® in a fume hood, the available working space can be used more efficiently. Several employees can work on a laboratory fume hood alternately or at the same time without the time-consuming remodelling of test arrangements. The SmartRack® can be used in a variety of ways - including in safety cabinets or on the workbench. At every location, the use of a SmartRack® leads to space savings and creates more order.

ROI about added value in existing laboratories through more efficient use of space and higher availability of free work surfaces, example: laboratory fume hood¹

Costs per laboratory fume hood with inside dimensions WxD of 140 cm x 65 cm: € 6.000

Space saving through use of the SmartRack® in a 150 cm laboratory fume hood: 82%
(see Space saving table next page)

Gain of space in the laboratory fume hood and the resulting added value € 4.920

1: The list prices for fume hoods for general use (no special hoods) range from about € 5,500 to € 9,500 depending on the hood width, the hood type and the equipment. Depending on the size of the project, prices are reduced by up to 40% for very large projects. If you start from a medium laboratory project (20% discount), you will get a unit price for a fume hood of € 4,400 to € 7,600, i.e. an average of € 6,000 per hood.



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.

The saving of space through the SmartRack® and the SmartRack® mini in a concrete example:

Equipment object, and number of SmartRack®	Wide in cm	Depth in cm	Surface in cm ²	Investment costs, acqui- sition costs in €	Space- saving in %	Savings potential through the use of SmartRack® / SmartRack® mini (in €)	Total savings (Savings potential minus investment costs in €)
SmartRack®	63,50	26,50	1.683,00	1.500,00			
SmartRack® mini	46,00	26,50	1.219,00	900,00			
Fume hood							
120 cm, 1 SmartRack®	110,00	65,00	7.150,00	5.000,00	76	3.800,00	2.300,00
150 cm, 1 SmartRack®	140,00	65,00	9.100,00	6.000,00	82	4.920,00	3.420,00
150 cm, 2 SmartRack®	140,00	65,00	9.100,00	6.000,00	63	3.780,00	780,00
Safety cabinet							
120 cm, 2 SmartRack® mini	115,00	62,50	7.187,50	12.200,00	66	8.052,00	6.252,00
130 cm, 3 SmartRack® mini	125,00	62,50	7.812,50	13.200,00	53	6.996,00	4.296,00
Laboratory bench							
120 cm, one-sided, 1 SmartRack®	115,00	77,50	8.912,50	2.500,00	81	2.025,00	525,00
120 cm, double-sided, 1 SmartRack®	115,00	77,50	8.912,50	2.250,00	81	1.822,00	322,00

▶ The SmartRack® pays back its investment costs through the added value created by a more efficient use of space and the higher availability of free working space both when used in the laboratory fume hood, as well as in the safety cabinet or on the laboratory bench.

Better Basics Laborbedarf - Let us help you organise your lab workstation



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.

Impress:

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