



BETTER BASICS
LABORBEDARF

INFORMATION ABOUT

LEAN MANAGEMENT AND THE

IMPLEMENTATION OF 5S IN THE LAB



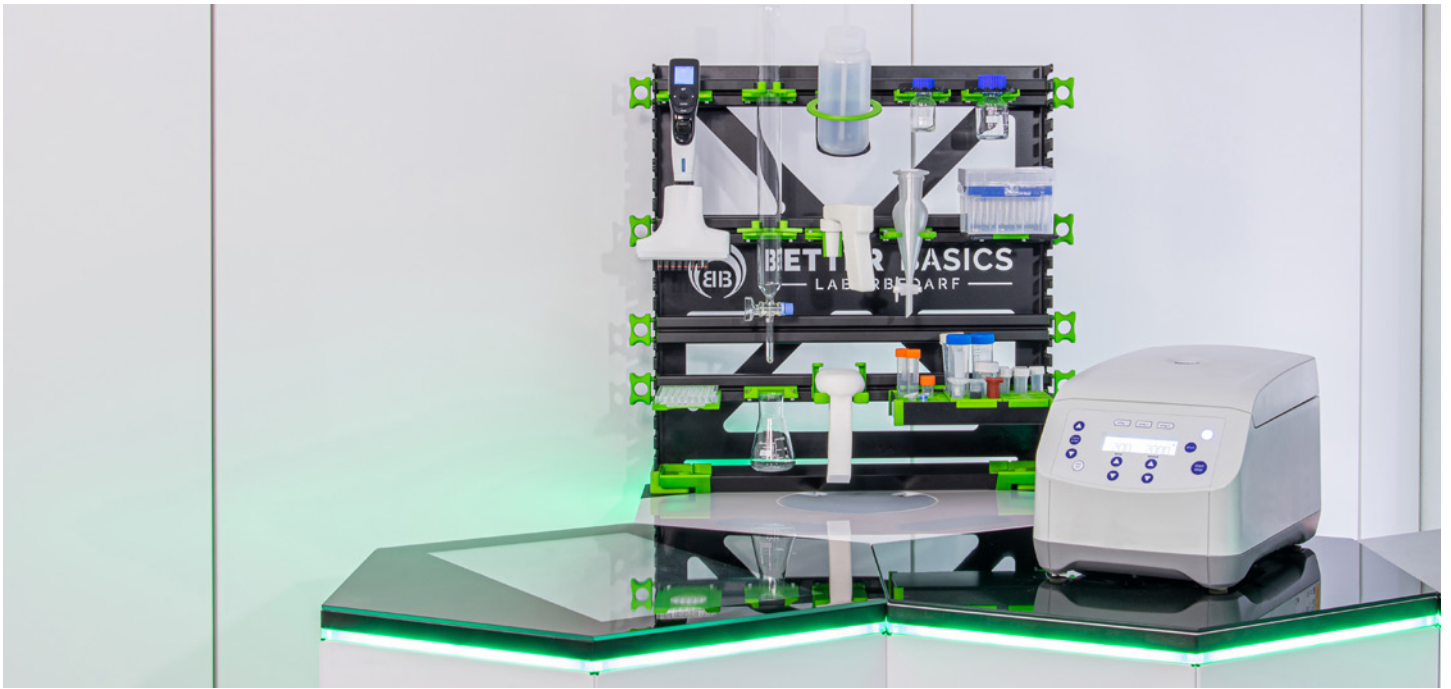
THE SMARTRACK® ENABLES THE PRACTICAL APPLICATION AND IMPLEMENTATION OF LEAN MANAGEMENT METHODS IN THE LAB

Photo: The SmartRack® Lifescience

The SmartRack® supports the practical realization and implementation of Lean Management methods, such as the 5S method, in a practical and efficient manner, assisting in establishing a „LEAN Lab.“

LEAN Management and the 5S method are powerful tools for improving workplace organization in the laboratory. In this context, Better Basics Laborbedarf's SmartRack® is undoubtedly the ideal and practical means to successfully apply these principles at every laboratory workstation.





The SmartRack® in the laboratory: The SmartRack® allows Lean Management methods to be practically applied and implemented.

What is Lean Management?

Lean Management is a proven approach to enhancing efficiency and reducing waste in various work environments. In the laboratory setting, often characterized by complex workflows and limited space, the principles of Lean Management are crucial for improving work quality and cutting costs.

What is 5S?

The 5S method is a proven technique for organizing and optimizing the workplace, originally originating from Japan. This system is referred to as „Total Productive Maintenance“ (TPM). Its aim is to enhance efficiency, productivity, and safety in work environments by applying five steps or principles, all beginning with the letter „S.“

What is the SmartRack®?

The SmartRack® is an innovative laboratory organization system that ensures order and space-saving at the workplace. It allows for the secure storage of laboratory glassware and accessories, prevents workplace accidents, and boosts laboratory efficiency by up to 30%. With up to 80% space savings, the SmartRack® is a practical solution for any laboratory.

How can the SmartRack® practically support 5S and LEAN management in the laboratory?

LEAN management in the laboratory:

- **The SmartRack® is based on the principles of LEAN methods**, aiming to eliminate waste and optimize value flow. It enables the efficient organization of work tools, reducing both time and labor costs.
- **Efficient organization:** By efficiently organizing and making optimal use of limited laboratory space, the SmartRack® contributes to waste reduction through unnecessary movement and storage, as all work tools can be stored at the workspace by utilizing vertical space.
- **Single-handed operability:** The single-handed operability of the SmartRack® supports LEAN principles by reducing work time and increasing productivity.
- **Modular design:** The SmartRack® is designed with modularity, allowing it to be customized to the specific needs of the laboratory. Laboratories in various disciplines can benefit from this flexible approach of the SmartRack®.
- **Time and cost savings:** By improving workspace organization and implementing LEAN principles, the SmartRack® saves both time and costs. Laboratory staff can access required materials up to 30% faster, thus significantly minimizing resource waste. This enables sustainable practices in laboratories.

The 5S method is an essential pillar of Lean management and specifically deals with workplace organization.

More specifically, the SmartRack® supports the implementation of the 5S method in its five steps as follows:

1. **Sorting (Seiri - the first step of the 5S method):**

Sorting work tools is crucial for eliminating waste and creating an organized work environment. The SmartRack® supports this step by providing a clear and efficient storage solution. With its modular units, lab personnel can sort and label work tools according to their needs, thereby eliminating unnecessary effort.

2. **Setting in Order**

(Seiton - the second step of the 5S method):

A clean and organized workspace contributes to reducing time waste and improving efficiency. The SmartRack® enables an optimal arrangement of laboratory accessories and equipment, ensuring smoother processes. By clearly labeling samples in dedicated storage boxes, the SmartRack® establishes order and helps maintain it.

3. **Standardization**

(Seiso - the third step of the 5S method):

Creating standards is a crucial step in maintaining the 5S principles in a laboratory. The SmartRack® contributes to standardization by offering clear and repeatable organizational structures. Employees can adhere to predefined principles of order and workflows to ensure a consistent and organized workspace.

4. **Visual control**

(Seiketsu - the fourth step of the 5S method):

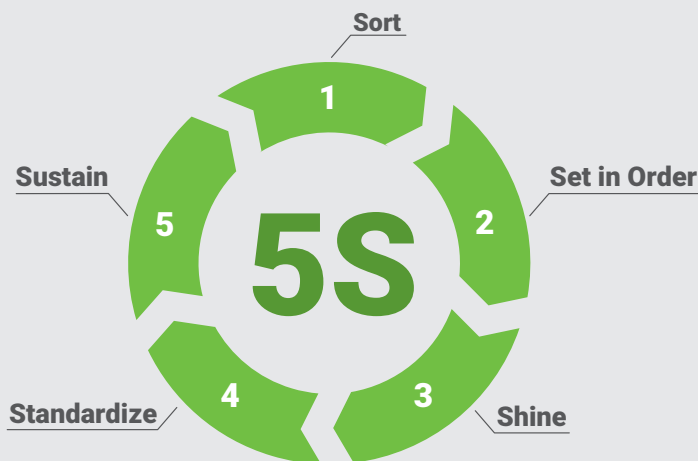
Visual control means that irregularities are immediately detected to take timely corrective actions. The SmartRack® promotes a visual workplace design by enhancing the visibility and recognizability of laboratory utensils. Employees can quickly determine whether all necessary tools are present at a glance, without time-consuming searches.

5. **Discipline**

(Shitsuke - the fifth step of the 5S method):

Maintaining the 5S principles requires discipline and continuous upkeep. The SmartRack® supports this discipline by simplifying order and organization. Laboratory employees are encouraged to adhere to these principles as the SmartRack® makes work easier and increases efficiency.

The SmartRack® from Better Basics Laborbedarf is an outstanding tool for implementing LEAN management and the 5S methodology in the laboratory. It promotes sorting, organization, standardization, and visual control of laboratory equipment, enhances employee discipline, and contributes to avoiding workplace accidents, improving efficiency, and reducing costs. The SmartRack® supports the creation of a „Lean Lab“ focused on efficiency and quality while increasing workplace safety. Overall, it provides a tailored solution for the successful implementation of LEAN management and the 5S methodology in the laboratory. Investing in the SmartRack® yields time and cost savings in the first year, improves overall lab performance, and helps actively address challenges such as the shortage of skilled personnel.



The 5S cycle: Optimized laboratory processes enhance effectiveness through quicker procedures, improved resource utilization, and increased productivity with reduced error rates.

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



Photo: Building of the Better Basics Laborbedarf GmbH in Dresden



Contact: Mario Schneider

Mario Schneider

Mario Schneider was born in Meissen and is currently the Managing Director, shareholder, and co-founder of Better Basics Laborbedarf GmbH. His academic journey led him to the prestigious WHU - Otto Beisheim School of Management, where he studied Business Administration. Subsequently, he pursued a double master's degree (CEMS) in International Management at ESADE in Barcelona and HEC in Paris. Following his studies, he worked at a top management consultancy in Munich. His projects included restructuring and acquisitions, as well as market analyses and marketing and sales planning for large companies.

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Are you interested in our products or have any further questions?

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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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