

# LEAN WITH LISTA

SOLUTIONS FOR LEAN PRODUCTION



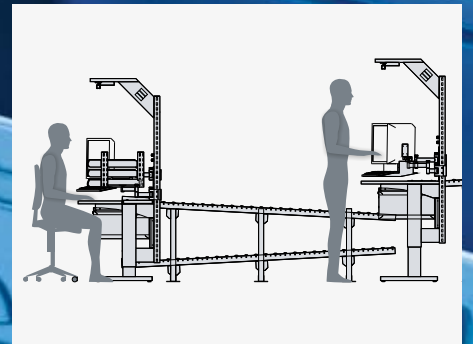
making workspace work

**ROYAL** *Variset*  
Tool Management Systems

**LISTA**

# WHY LISTA IS JUST RIGHT FOR YOUR LEAN PROJECT

Added value can be arranged: LISTA offers a wide range of workplace equipment perfectly suited for implementing lean projects to meet your specific requirements in terms of lean, trouble-free processes. LISTA products help you to design workplaces that are more efficiently organised, to simplify workflows, shorten throughput times - and thereby help to reduce waste and eliminate errors.





### + Utmost flexibility

- comprehensive and modular range of products
- perfect solutions for every requirement
- can be adapted and extended at any time

### + Optimum ergonomics

- individually coordinated incoming material, tool storage and lighting
- worktops with manual or electrical height adjustment
- absolute compatibility of all modules and easy installation

### + Order and tidiness according to the 5S principle

- suitable superstructures and accessories
- universal LISTA partition material
- professional LISTA Script labelling system
- individual locking and access systems

### + Short throughput times

- mobile elements and linkages for flow-optimised processes such as One-Piece-Flow
- intelligent supply and discharge of materials

### + Customisation

- special sizes and colours
- special storage systems
- covers, recesses etc.



# PUT YOUR TRUST IN THE NO. 1 – FOR LEAN PROJECTS, TOO

Ever since 1947, LISTA has been one of the leading suppliers of workspace and storage solutions worldwide. In addition to the outstanding quality of our products, expertise, service and experience are the key factors. With LISTA, you are choosing a strong partner all the way from planning to after-sales – not least of all because we ourselves manufacture according to lean criteria.





**+ Extensive planning expertise**

- professional advice from specialists
- LISTA Draw planning software
- reliable, powerful logistics system

**+ Quality of products and service**

- comprehensive know-how and experience
- high-quality materials
- production in Switzerland and in Germany
- 10-year guarantee

**+ Cost-effective standard products**

- more economical to produce
- can be implemented in projects more quickly
- can be flexibly expanded at any time

**+ 10-year guarantee of availability**

- unique in the industry

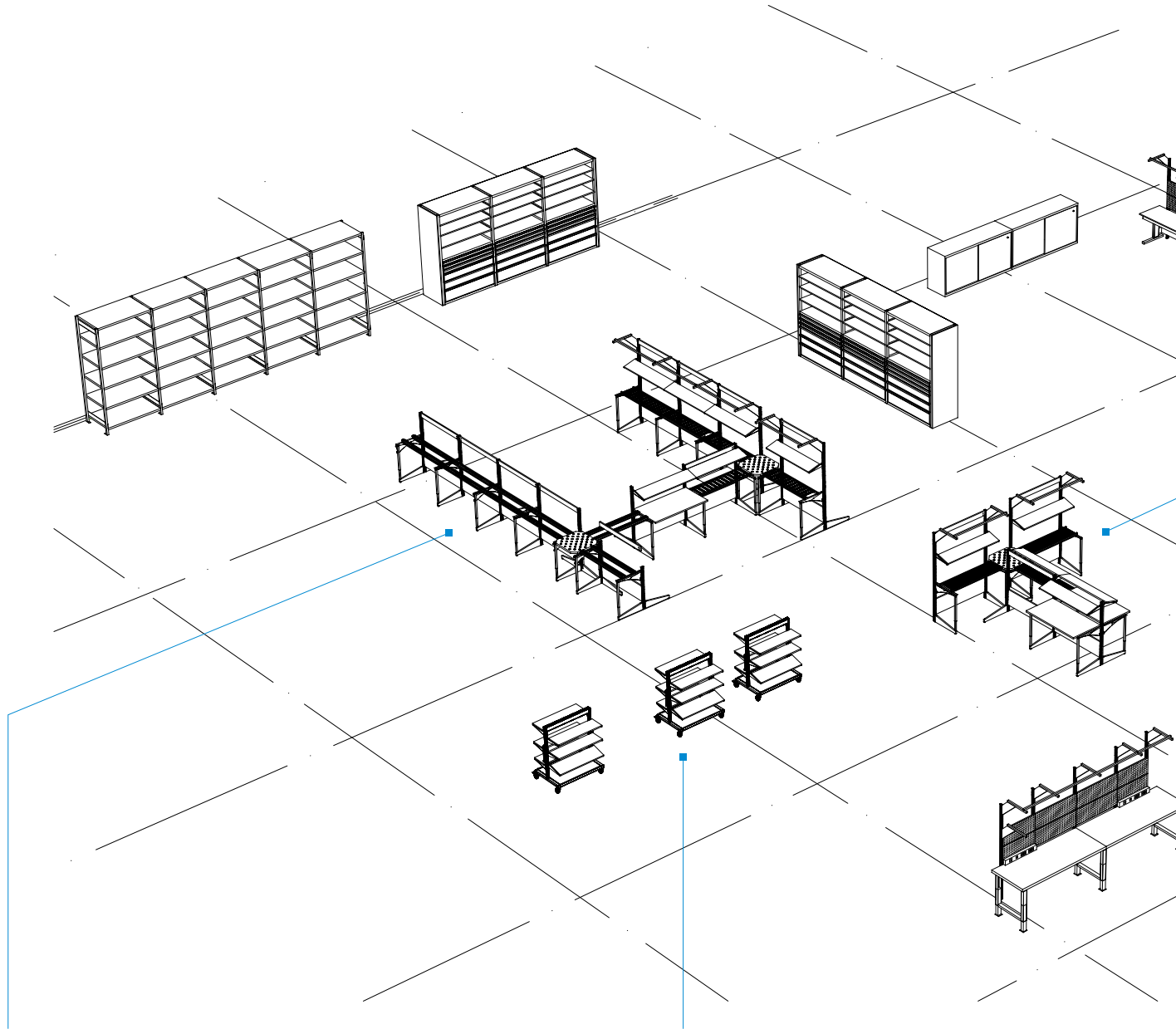
**+ Comprehensive industry knowledge and references**

- more than 100,000 prestigious customers worldwide
- from numerous sectors such as the automotive industry, mechanical engineering, healthcare, metalworking, tool making and more



# THE LISTA SYSTEM

The LISTA system is based on modules which can be freely combined to successfully implement your individual lean solutions. Everything fits. In addition, components can be flexibly adapted to meet specific requirements in order to provide a cost-effective solution with a consistent look and feel.



Working line



Transport units and assembly trolleys



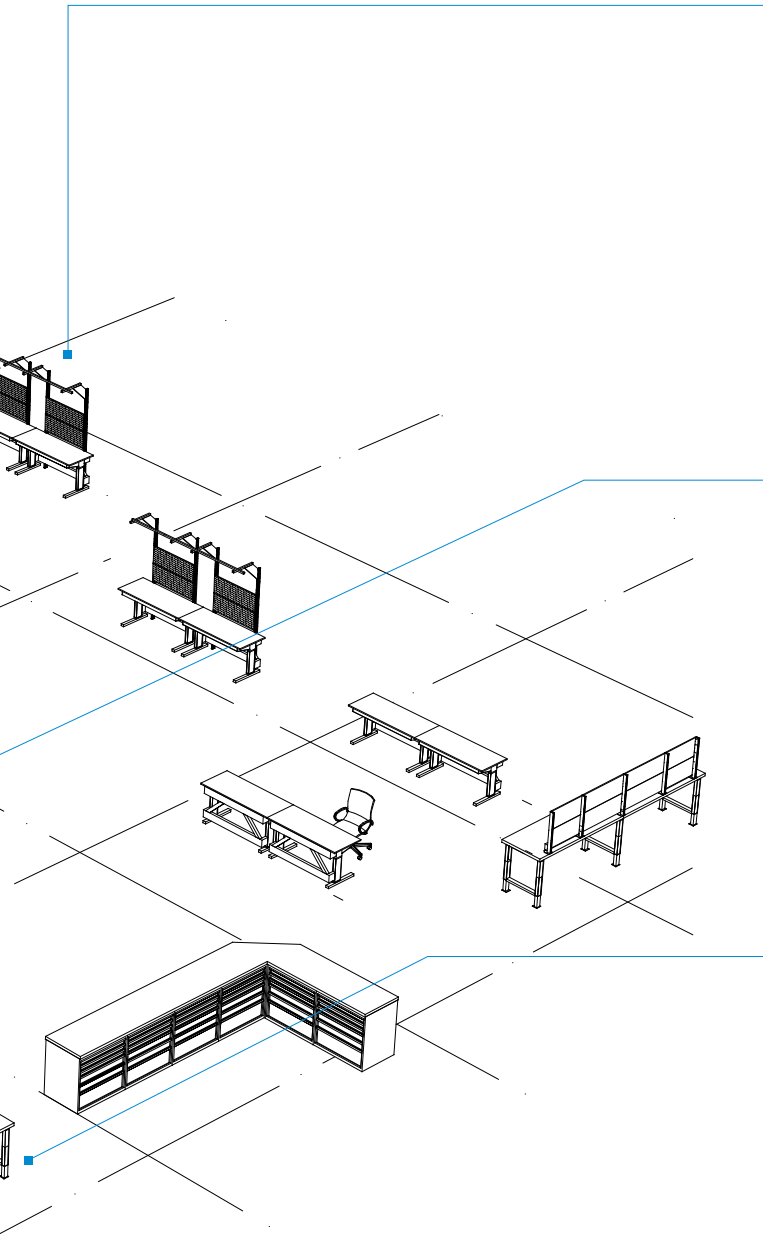
Workstation system



Support pillar system



Workbench system



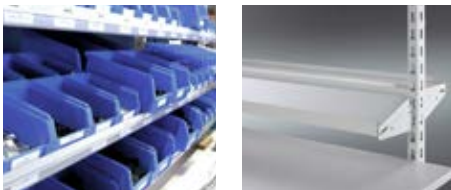
# TYPICAL SUPERSTRUCTURES AND ACCESSORIES

With the LISTA system, you can easily and quickly configure your lean workstations. The system can be equipped with a wide range of universal superstructures – improving the efficiency and productivity of all your workflows.



## Support pillar profiles

LISTA lean superstructures are based on our robust universal support pillars made from box-section steel perforated on four sides so that items can be attached to all sides largely without tools. The support pillars are available in a number of standard lengths and can be used either as superstructures for worktop and workbench systems or as a free-standing support pillar system.



## Incoming materials

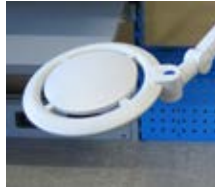
Incoming materials are supplied by single or double containers, each on suitable shelves which can be positioned and adjusted without the use of screws.



## Height adjustment

Electrical or manual height adjustment enables LISTA workstations to be ergonomically adjusted to the workflows.





### Lighting

For the individual illumination of the lean workstations, LISTA supplies working lights in a variety of sizes and designs, including LED lamps, magnifying lamps and many more.



### Tool holders and shelves

LISTA universal perforated panels enable tool holders to be perfectly positioned with or without silhouettes and complete tool storage shelf systems to be set up at hand height.



### Swivel arms for every purpose

With suitable swivel arms for PCs, tools etc., any workstation can be ergonomically equipped for optimised workflow. LISTA swivel arms can be positioned quickly and easily and can just as easily be retrofitted, repositioned or removed again at any time.



### Power strips

Wherever you need connections for power, air, data network etc., the LISTA power strips can be configured accordingly and mounted at the right position on the worktop – either at the front or at the rear.

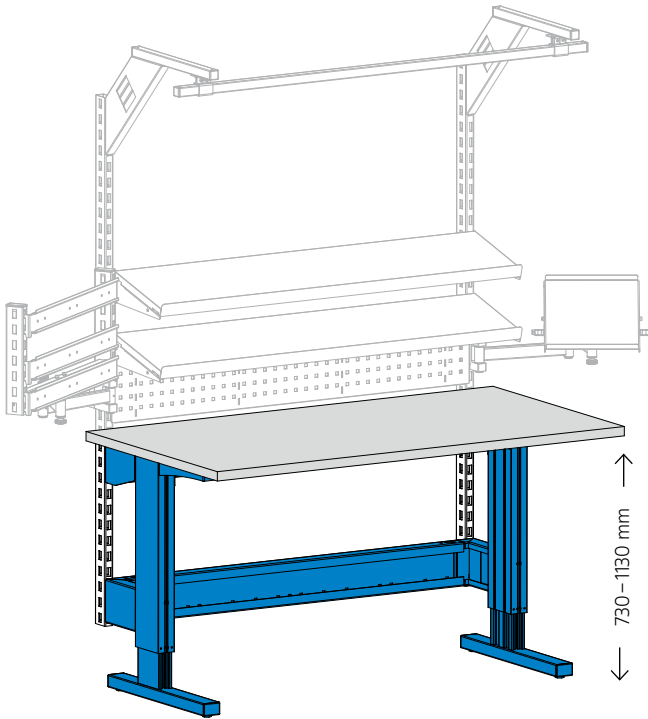


### Castors

For maximum flexibility and mobility, LISTA drawer cabinets, workbenches, workstation systems or assembly trolleys can optionally be fitted with foldout castors.

# WORKSTATION/WORKBENCH SYSTEM

## Substructures



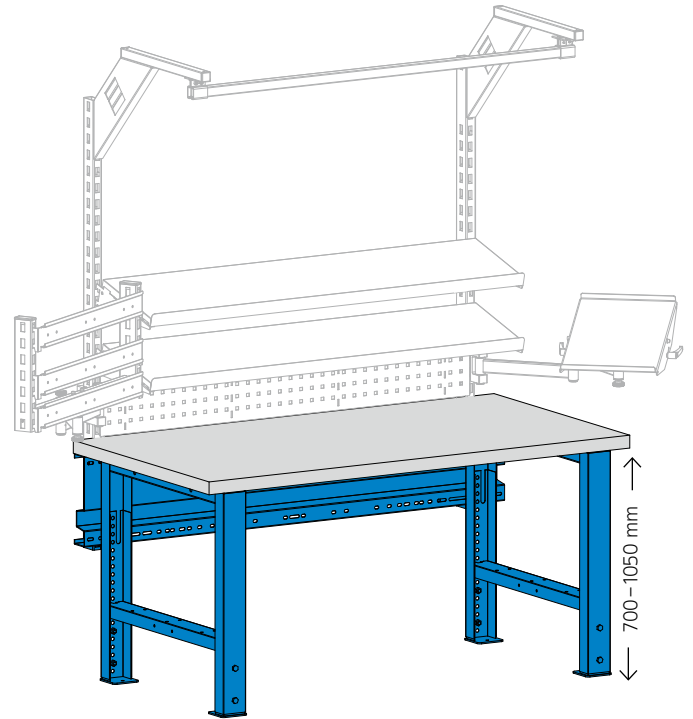
**Workstation system**

### Typical areas of application

- individual workstations
- precision assembly
- small parts

### Possible combinations

- lean module system
- can be linked with other workstations



**Workbench system**

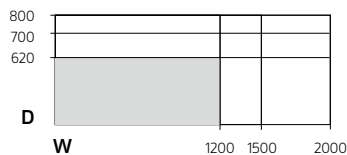
### Typical areas of application

- individual workstations
- heavy work
- medium and heavy parts

### Possible combinations

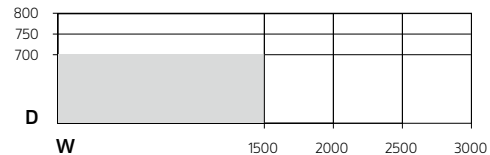
- lean module system
- can be linked with other workstations

### Standard worktops



special sizes possible

### Standard worktops



special sizes possible

### Height adjustment



electrical



manual



drawer cabinet



PC holder, keyboard pull-out



fixed

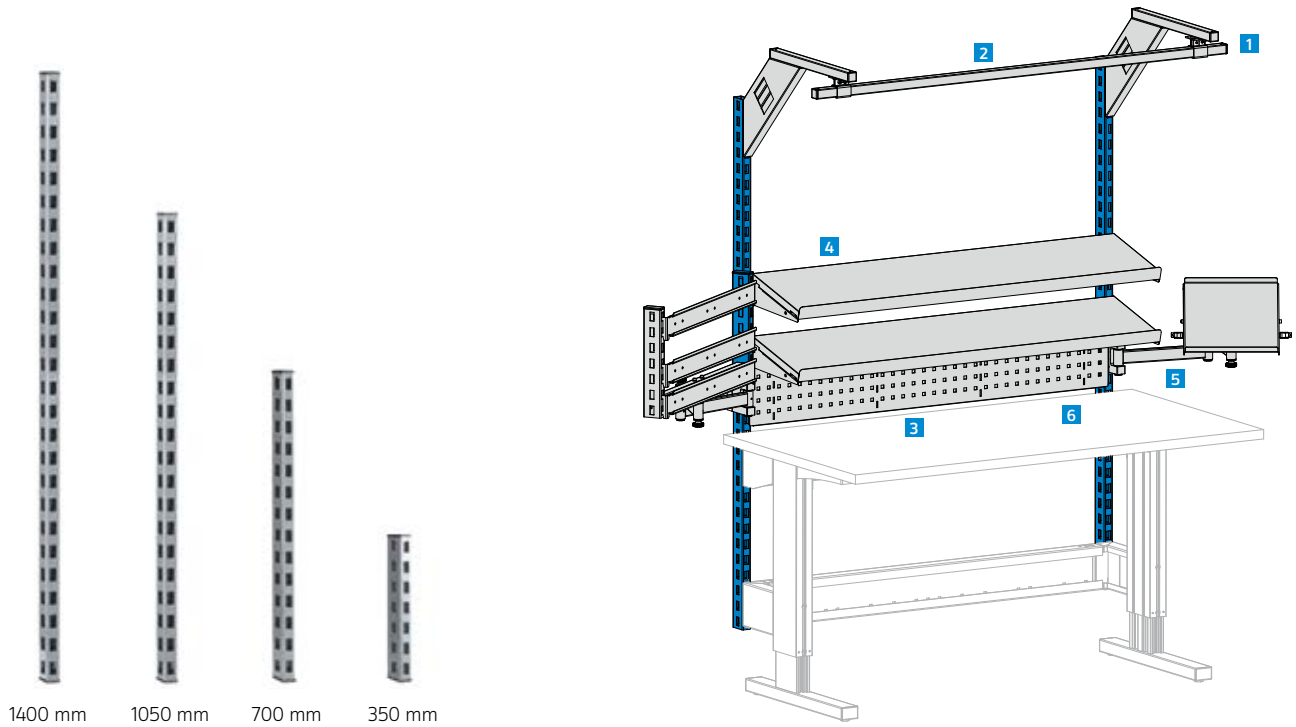


foldable

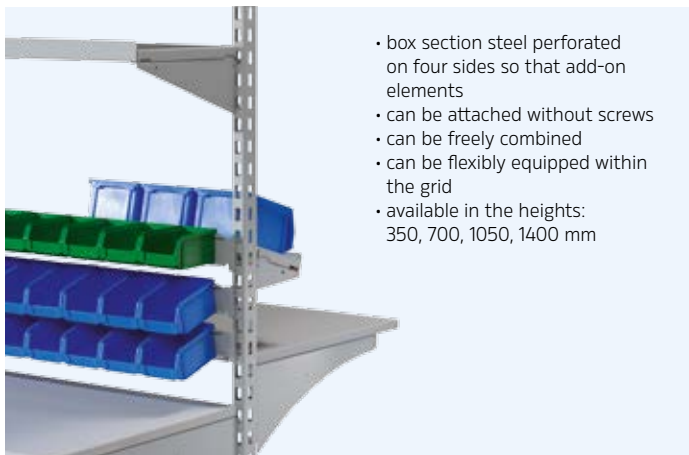
### Superstructures

### Castors

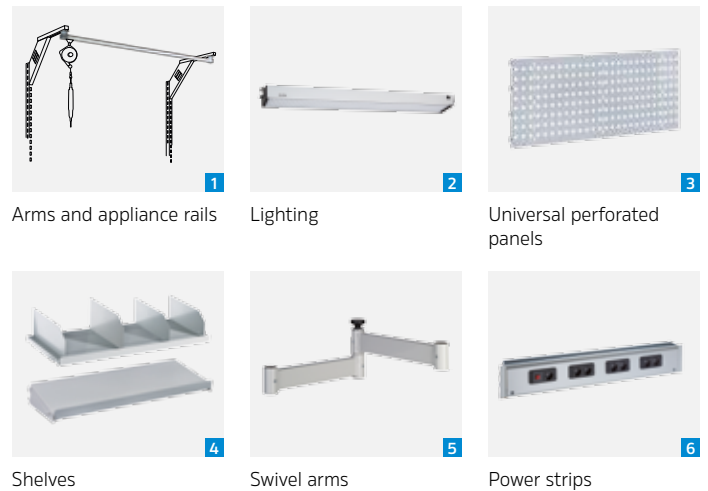
# Superstructures



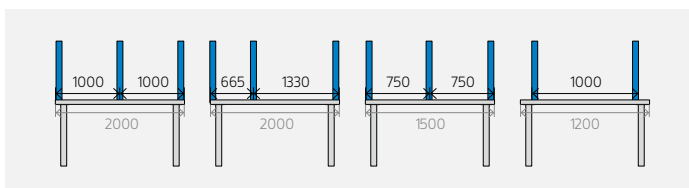
## Universal support pillars as basis



## Superstructures and accessories



## Module combinations (examples)



Standard module widths: 665, 750, 1000, 1330, 1500, 2000 mm

# SUPPORT PILLAR SYSTEM



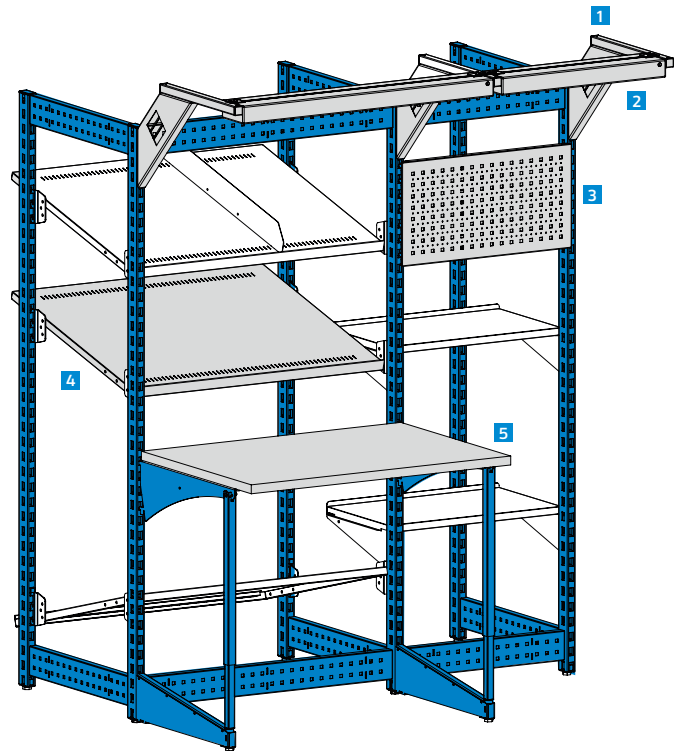
Height of superstructures  
2000 mm

## Typical areas of application

- multiple workstation systems
- part/single stages in assembly
- shelving system for incoming and outgoing materials

## Possible combinations

- lean module system
- entire areas can be freely combined or extended
- can be linked with other workstations

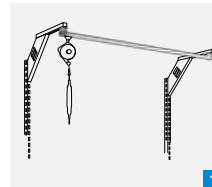


## Universal support pillars as basis



- box section steel perforated on four sides so that add-on elements
- can be attached without screws
- can be freely combined
- can be flexibly equipped within the grid
- available in the heights: 350, 700, 1050, 1400 mm

## Superstructures and accessories



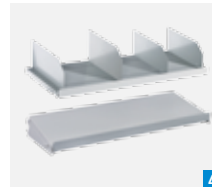
Arms and appliance rails



Lighting



Universal perforated panels



Shelves

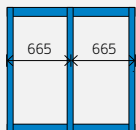
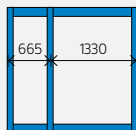
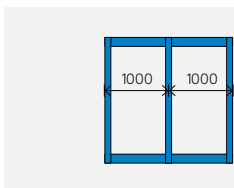


Swivel arms

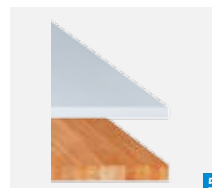


Power strips

## Module combinations (examples)



Freely combinable module widths: 665, 1000, 1330 mm



Worktops

## MATERIAL FLOW

### Transport units and assembly trolleys



### Working lines



#### Benefits

- optimum workflow
- optimum workflow for incoming and outgoing materials
- can be delivered to or integrated into existing workstations from the rear or used to replenish fixed material containers

#### Benefits

- low investment costs
- variable linking enables a large number of variations
- easy assembly
- flexible modular system
- can be retrofitted any time using existing components



Individualised configuration



On-site storage



Ergonomic handling



Linkage profile



direction-changing elements



Roller bars



Support rollers



Stop



Cover for linkage profile

# SUCCESSFUL IMPLEMENTATION OF LEAN SYSTEMS





**ROYAL** *Variset*  
Tool Management Systems

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