WÜRTH Industrie Service

ORSY®mat

Automated materials management
CONTENTS

3 Foreword
4 What is ORSY® mat and why use it?
5 ORSY®mat – The diverse system
6–7 Six steps to your ORSY®mat
8 ORSY®mat functions
9 Maximum transparency
   – ORSY®mat and the Würth Online Shop

10–11 ORSY®mat FP – The automatic vending machine
12–13 ORSY®mat HX – The helix-based vending machine
14–15 ORSY®mat DR – The drawer-based vending machine
16–17 ORSY®mat – The basis for additional system solutions
18 Notes
"We make sure that you can use the right quantity of C-Parts in the right quality, at the right time and at the right point of use. The new vending machines let you get the most out of your material supply system and save a significant part of your process costs both now and in the future. As a customer, you can rely on us as a partner and trust in our solutions."

Dear customer,

Materials such as personal protective equipment, tools and machinery play a bigger role in your company’s cost and efficiency balance sheet than you think. It is not the cost of the materials themselves that makes an impact on your books. Instead, it is the procurement of operating supplies (MRO) – or failure to procure them – that costs you and your employees excessive amounts of time and money.

Würth specialises in the optimal supply, storage and quality of precisely these materials. It can offer innovative solutions to make your materials management processes even simpler and more efficient. In addition to full-service solutions for production materials, we offer the ORSY®mat procurement and storage management system as an optimal solution for high-value consumables that are required at irregular intervals and are difficult to schedule.

Thanks to its modular design, this system has the flexibility to provide an automated, clear, and transparent supply of materials at any given time, with direct reordering of replenishment stock as required.

Through regular dialogue with over 30,000 customers in Europe alone, we are constantly improving our services. That means we can provide you with precisely the assistance you need to concentrate on the essentials.

In this brochure, we will show you the benefits and opportunities offered by the ORSY®mat automated materials management system. You too can save time and money by using this professional system that has been developed over many decades.

We would be delighted to advise and support you.

Rainer Bürkert
Member of the Executive Board of the Würth Group
Managing Director of Würth Industrie Service
WHAT IS ORSY®mat AND WHY USE IT?

ORSY® is the racking system that provides optimal storage and provision of materials, enabling you to implement an ORdered materials management SYstem. Our new ORSY®mat vending machines are available in various models for an automatic materials management system. Our intelligent automated materials management system will reduce your procurement and storage costs, increase the availability of goods and reduce wastage of high-value consumables. See the benefits for yourself:

<table>
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<tr>
<th>Process costs:</th>
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<td>For example:</td>
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<tr>
<td>Assessment of requirements</td>
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<td>Purchase requisition</td>
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<td>Manual orders</td>
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<td>etc.</td>
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<th>Wastage</th>
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<tr>
<th>Value of goods</th>
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The ORSY®mat saves you time and money.

ORSY®mat flat-rate service fee

<table>
<thead>
<tr>
<th>Value of goods</th>
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Your current costs

Your costs with the ORSY®mat

YOUR ADVANTAGES AT A GLANCE

- 24-hour stock availability
- Comprehensive cost overview for your C-Parts
- Maximum process transparency
- Access-restricted storage of high-value items
- Modular design
- Automatic order entry
- Reduction of wastage

YOUR OBJECTIVES

- Process streamlining
- Focus on your core competence
- Reduce strain on your purchasing department
- Error reduction
- Automated ordering procedures
- Optimised storage and inventory management
- Decentralised supply of materials
ORSY®mat — THE DIVERSE SYSTEM

Our ORSY®mat solutions combine efficient, automated procurement with a high degree of flexibility in the storage and provision of operating supplies (MRO) for your employees — directly at their point of use.

All of the systems give you the following functions, which can be tailored to your requirements and working environment.

<table>
<thead>
<tr>
<th>Your customised ORSY®mat — as individual as your needs</th>
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<tr>
<td>Identification required for access</td>
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<tr>
<td>Article withdrawal</td>
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<tr>
<td>Automated ordering</td>
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<tr>
<td>Individual assignment of user rights</td>
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<td>Transparency</td>
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Discover more about the different vending machines available for your materials management system!

ORSY®mat FP (Flap)
Automatic vending machine:
• Maximum security for your high-value items
• Issues complete packaging units

All-round solution for tools and machinery

ORSY®mat HX (Helix)
Helix-based vending machine:
• Withdrawal of precise quantities
• Maximum availability of your operating supplies (MRO)
• Suitable for more frequently used items

Expert solution for personal protective equipment and consumables

ORSY®mat DR (Drawer)
Drawer-based vending machine:
• Suitable for your tool requirements
• Avoid long searches for the right tool

Specialist solution for small parts and high-value tools
SIX STEPS TO YOUR ORSY®mat

Your sales representative at Würth Industrie Service will help you to plan the implementation of an ORSY®mat solution that is tailored to your needs.

1. Define the product range
   • Gather and assess your material requirements

2. Plan the modules
   • Customised planning of individual modules
   • Location planning

3. Check the installation location
   • Space requirements
   • Power connection
   • Data connection

IT’S THIS SIMPLE!
SET UP YOUR INDIVIDUAL ORSY®MAT IN JUST SIX STEPS!
UAL ORSY® MAT IN

4. Your approval
   • Product approval
   • Sign the contract
   • Access rights

5. Set up the system
   • Position the modules
   • Quality and function check
   • Initial stocking

6. Commissioning
   • Train your employees
   • Set up your individual configuration
ORSY®mat FUNCTIONS

Access types

- RFID card
- PIN code identification
- Barcode identification
- Customised cards available on request

Product selection via

- Direct withdrawal
- Selection on the display
- Scanner and barcode

Item creation

- Select item on the display
- Scan item barcode and store

Storage

By your employees — or as an optional service provided by Würth Industrie Service — by scanning barcodes on the
- Delivery note
- Product or
- Packaging

User interface

- Individual assignment of roles and rights
- German
- English
- French
- Spanish
- Dutch

Service

- Order information relayed to your business
- Option to have machine stocked by service employees from Würth Industrie Service
- Technical support
- Technical support
ORSY®mat systems are closely linked to the Würth Industrie Service ERP system. All details of items, such as item number, name and images are provided by the Würth IT systems. Any triggered orders are transmitted in real time to the Würth Industrie Service ERP system in the same way. All order data from the vending machines can be tracked at any time in an easy and transparent way in the Würth Online-Shop. Integration of relevant data to your ERP system is also possible.

The option of fully automated and precise assignment to your defined cost centres is also available.

Ordering and access rights for the Würth online shop can be configured to suit your needs. You can obtain these access rights from your personal sales representative at any time.
ORSY®mat FP — THE AUTOMATIC VENDING MACHINE

The ORSY®mat FP from Würth Industrie Service enables you to store and supply a wide range of high-quality commodities and consumables as required.

We work with you to develop a customised, modular vending machine designed to suit your working environment. You specify the scope and contents of the system. We’ll take care of the rest.

You can choose from nine ORSY®mat FP variants with up to 72 flaps for your specific requirements.

| ORSY®mat FP — external dimensions: 60 x 195 x 56 cm (W x H x D) |
|---------------------------------------------------------------|-----------------|
| **With control system** | M65 | M33 | M27 |
| **Number of compartments** | 65 | 33 | 8 | 12 | 4 | 2 |
| **Internal dimensions of compartments** | 6x13 | 12x13 | 6x13 | 12x13 | 24x13 | 24x32 |
| **Without control system** | S72 | S36 | S34 | S18 | S10 | S9 |
| **Number of compartments** | 72 | 36 | 16 | 12 | 4 | 2 | 18 | 8 | 2 | 9 |
| **Internal dimensions of compartments** | 6x13 | 12x13 | 6x13 | 12x13 | 24x13 | 24x32 | 24x13 | 24x32 | 24x13 | 48x13 |
ORSY®mat — Automated materials management

ORSY®mat FP S18
S18 add-on module

ORSY®mat FP S10
S10 add-on module

ORSY®mat FP S9
S9 add-on module

ORSY®mat FP S36
S36 add-on module

ORSY®mat FP S34
S34 add-on module

ORSY®mat FP S72
S72 add-on module
ORSY®mat HX — THE HELIX-BASED VENDING MACHINE

This helix-based vending machine is essential to your vending machine system. Helix-based vending machines are the ideal solution for dispensing single units of frequently required operating supplies (MRO) and personal protective equipment (PPE).

Your advantages at a glance

• Can be added to ORSY®mat FP and ORSY®mat DR on a modular basis

• Individual products issued by dividing pack sizes, e.g. work gloves with a packaging unit (PU) of 6 pairs: After six pairs of gloves have been issued, the control system detects that a PU has been reached and reorders the item.

• Flexible spiral quantities and sizes enable integration of a wide variety of items

• Light sensor controls the actual output of an item

• Up to 40 different products are storable within one module

• Up to 1200 units

ORSY®mat HX (W x H x D)
External dimensions: 86 x 195 x 86 cm
ORSY®mat HX — OPPORTUNITIES

Our helix-based range of vending machines are designed to be custom-built to meet your needs with regard to product range variety, item size and quantity requirements. Helix-based vending machines integrate seamlessly into your materials management system with no need to restructure internal operating processes.

The different helix designs in the vending machines give you maximum flexibility when it comes to capacity and selection options.

Three different types of helix are available:

- Helix with a **single** twist
- Helix with a **double** twist
- Helix with **half** a twist

These are particularly suitable for:

- Personal Protective equipment such as gloves and safety goggles
- Tools and screwdrivers
- Spare parts and batteries
- Material processing and cutting discs
- Building materials and paint brushes
- And much more
ORSY®mat DR — THE DRAWER-BASED VENDING MACHINE

The drawer-based vending machine is an economical and reliable entry-level solution for automated tool dispensing and tool management. The system is suitable for storing, provisioning and dispensing tools, measuring equipment, testing equipment, maintenance materials and other high-value items. Now you can make your materials management process even more productive.

**Benefit from fully automated ordering**

- Can be combined with ORSY®mat FP and HX
- Avoid long searches for the right tool
- In-house assignment of tool locations
- Reduce tool stock levels and excess inventories, and eliminate unnecessary duplicates
- Short supply routes
- Electronic locking and unlocking of all drawers – compartment flaps within the draws are monitored by sensors
- Simple, user-friendly operation

**How it works:**

Select the desired items manually on the display or using barcodes. The drawer that contains the item is unlocked and can be opened. Unlocked flaps are located within the drawer. These flaps record and document each instance of the drawer being opened.

ORSY®mat DR (W x H x D)
External dimensions: 73 x 117 x 71 cm
ORSY®mat DR — OPPORTUNITIES

We focus on your industry, working environment and individual needs.

That is why we offer various sizes of drawer and a range of compartment inserts for the ORSY®mat DR. This allows storage of C-parts in various sizes, plus whatever shapes of consumables, packages and bulk materials you require.

Drawer modules — flap inserts with dividers for small parts
Suitable for bits, drills, small electrical components such as wire end ferrules, and much more.

<table>
<thead>
<tr>
<th>Drawer height</th>
<th>Number of flaps</th>
<th>Usable width in mm</th>
<th>Usable depth in mm</th>
<th>Usable height in mm</th>
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<tbody>
<tr>
<td>60 mm</td>
<td>63 consisting of</td>
<td></td>
<td></td>
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<tr>
<td>1</td>
<td>54</td>
<td>60</td>
<td>57</td>
<td>20</td>
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<tr>
<td>2</td>
<td>9</td>
<td>60</td>
<td>132</td>
<td>20</td>
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<tr>
<td>3</td>
<td>54</td>
<td>60</td>
<td>82</td>
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<td>4</td>
<td>36</td>
<td>60</td>
<td>132</td>
<td>20</td>
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<td>5</td>
<td>27</td>
<td>60</td>
<td>182</td>
<td>20</td>
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<tr>
<td>6</td>
<td>18</td>
<td>60</td>
<td>282</td>
<td>20</td>
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<tr>
<td>90 mm</td>
<td>1</td>
<td>54</td>
<td>82</td>
<td>50</td>
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<td>2</td>
<td>18</td>
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<td>4</td>
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<td>184</td>
<td>583</td>
<td>50</td>
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<tr>
<td>150 mm</td>
<td>1</td>
<td>6</td>
<td>291</td>
<td>110</td>
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<tr>
<td>2</td>
<td>4</td>
<td>277</td>
<td>291</td>
<td>110</td>
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ORSY®mat — THE BASIS FOR ADDITIONAL SYSTEM SOLUTIONS

ORSY®mat has been developed with customers, for customers. This modular system is made up of modules that can be assembled in customised layouts. It meets the specific requirements of every company and specialist department.

The ordering system automatically reorders withdrawn items. This is the best solution for high-value items that are required on either a regular or irregular basis: It offers simple operation without placing strain on your internal structures, and all while maintaining maximum process reliability and transparency.

Learn more about the individual opportunities provided by ORSY®mat, from comprehensive racking and storage management systems to tools management and personal protective equipment.

Hazardous materials management

Hazardous materials management from Würth makes it easy to meet the current legal requirements.

- Safe handling of hazardous substances
- Minimise potential hazards
- Rapid implementation of current legislation
- Online and always up-to-date
- One contact person

Protection plans for hands and skin

Find the right item for every field, individually tailored to the needs of your employees so that they are equipped for any situation.

- Employee protection
- Prevention of downtime
- Transparency
- Correct care before, during and after the work
Würth Online-Shop

For reliable deliveries, our online shop is open 24/7 and provides a full range of more than 100,000 items, approvals, data sheets and product information sheets. It is the Würth Industrie Service electronic catalogue and ordering system. Discover the wide range of items on offer – visit the online shop now at http://eshop.wuerth-industrie.com

ORSY®scan

Make the right connection! Take advantage of our wide range of applications and services, such as our scanner-assisted automatic tracking and ordering systems:

- Simple capture using a handheld scanner
- Automated ordering process via our online shop
- Cost centre allocation
- Inventory

Würth app

The Würth app enables you to scan barcodes on your product packaging and bins for easy ordering or to access helpful product information.

All you need is a smartphone with the free app and a login for our online shop.
ORSY®mat
Automated materials management

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