ORSY®mat
Automated materials management
CONTENT

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
10-11 ORSY®mat FP – The flap-based vending machine
12-13 ORSY®mat HX – The helix-based vending machine
14-15 ORSY®mat RT – The rotation-based vending machine
ORSY®mat – The basis for additional system solutions
"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 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:

**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
- Short distances to the items

**YOUR OBJECTIVES**

Costs reduction by:
- 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>Identification required for access</th>
<th>• PIN code</th>
<th>• RFID (we support a variety of commercially available systems)</th>
<th>• Barcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article withdrawal</td>
<td>• Direct selection</td>
<td>• Select products on the display</td>
<td>• Scan product barcodes</td>
</tr>
<tr>
<td>Automated ordering</td>
<td>• Logistically optimized</td>
<td>• Internet access via mobile phone without the help of your IT</td>
<td></td>
</tr>
<tr>
<td>Transparency</td>
<td>• Each withdrawal is documented</td>
<td>• Allocation to cost centres</td>
<td>• Reporting</td>
</tr>
</tbody>
</table>

Your customised ORSY®mat — as individual as your needs

Discover more about the different vending machines available for your materials management system!
**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!**
6. Commissioning

- Train your employees
- Set up your individual configuration

5. Set up the system

- Position the modules
- Quality and function check
- Initial stocking

4. Your approval

- Product approval
- Logistics concept
- Sign the contract
- Access rights
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
- Via customer materials number

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
or via our menu.

User interface

- Individual assignment of roles and rights
- German
- Chinese
- Croatian
- Czech
- Danish
- Dutch
- English
- French
- Italian
- Hungarian
- Polish
- Serbian
- Spanish
- Slovenian
- Slovakian
- Swedish

Service

- Order information relayed to your business
- Option to have machine stocked by service employees from Würth Industrie Service
- 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 FLAP-BASED 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 will take care of the rest.

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

### ORSY®mat FP — external dimensions: 60 x 200 x 56 cm (W x H x D)

<table>
<thead>
<tr>
<th>With control system</th>
<th>M65</th>
<th>M33</th>
<th>M27</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of compartments</td>
<td>65</td>
<td>33</td>
<td>8</td>
</tr>
<tr>
<td>Internal dimensions of compartments</td>
<td>6x13</td>
<td>12x13</td>
<td>6x13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Without control systems</th>
<th>S72</th>
<th>S36</th>
<th>S34</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of compartments</td>
<td>72</td>
<td>36</td>
<td>16</td>
</tr>
<tr>
<td>Internal dimensions of compartments</td>
<td>6x13</td>
<td>12x13</td>
<td>6x13</td>
</tr>
</tbody>
</table>

[1. ORSY®mat FP M65](#)
[2. ORSY®mat FP M33](#)
[3. ORSY®mat FP M27](#)
ORSY®mat HX and RT

THE HELIX-BASED VENDING MACHINE
ORSY®mat HX (W x H x D)
External dimensions: 88 x 200 x 88 cm

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

- 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
- Up to 48 different products are storable within one module
- Up to 1200 units

THE ROTATION-BASED VENDING MACHINE
ORSY®mat RT (W x H x D)
External dimensions: 91.5 x 200 x 80 cm

This vending machine is suitable for the secure take out of single items or packing units. The user can choose between small or medium-size items e.g. drillers, bits or grinding discs.

Your advantages at a glance

- The automat setup can be done individually for your demand depending on the size of the requested part and the demands
- There is no integration into the customer network needed. No changes of your internal material supply are required
- Different variations of each level are possible. We offer the biggest possible flexibility for your demand
- 4 to 48 compartments per level
- Up to 384 articles within one module are possible
ORSY®mat HX and RT – OPPORTUNITIES

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

The different designs of the helix or fields are suitable for the following applications:
- 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

There are various types of

Helix:

Helix with half a twist

Helix with single twist

Helix with double twist

Fields:

Field size for 48 fields

Field size for 24 fields

Field size for 12 fields
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](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.