

WÜRTH Industrie Service

ORSY[®]mat

Automated materials management



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"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.

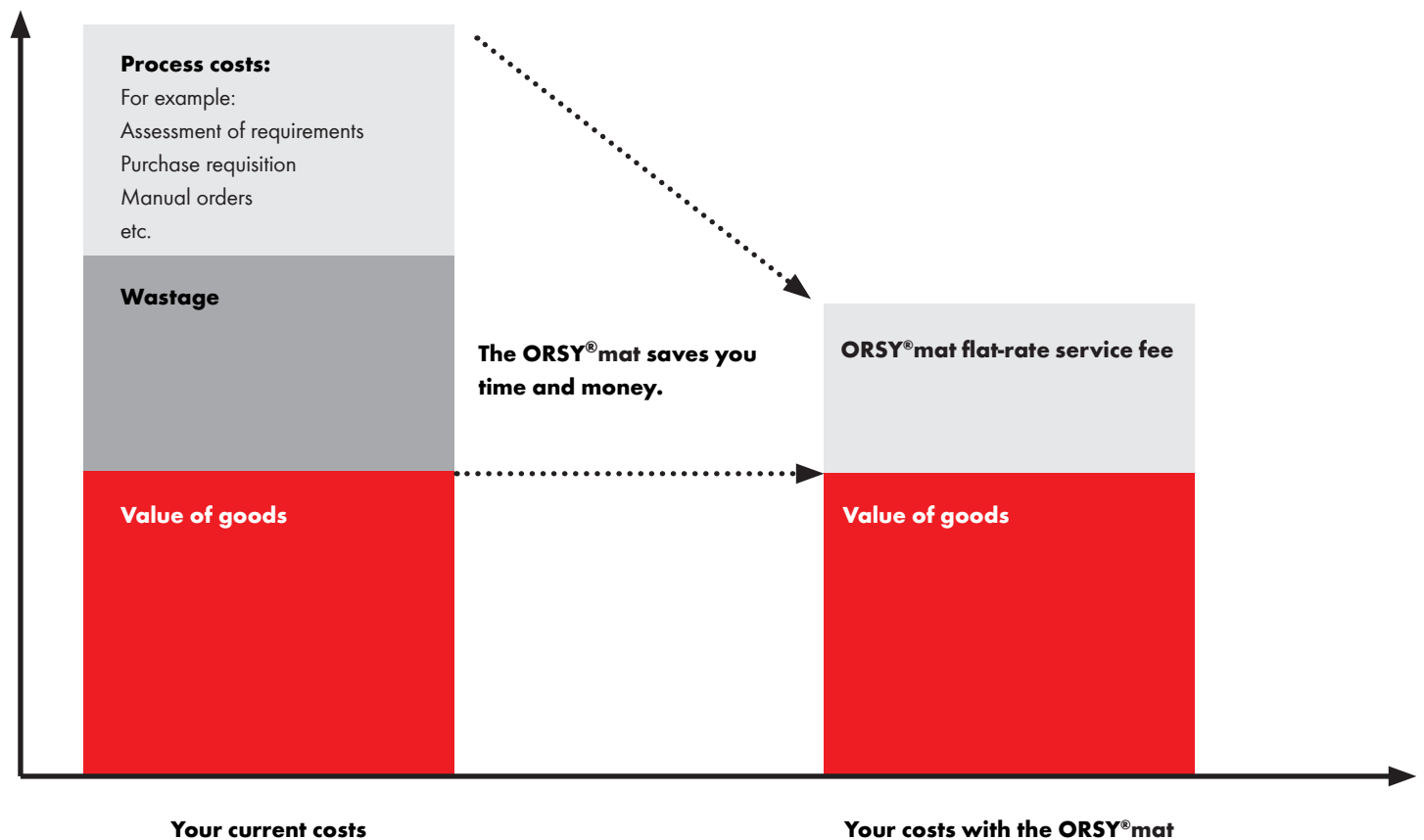
A handwritten signature in black ink, appearing to read 'R. Bürkert'.

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 **OR**dered materials management **SY**stem. Our new **ORSY®mat** vending machines are available in various models for an autom**at**ic 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

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.

Your customised ORSY®mat — as individual as your needs			
Identification required for access	<ul style="list-style-type: none">• PIN code	<ul style="list-style-type: none">• RFID	<ul style="list-style-type: none">• Barcode
Article withdrawal	<ul style="list-style-type: none">• Direct selection	<ul style="list-style-type: none">• Select products on the display	<ul style="list-style-type: none">• Scan product barcodes
Automated ordering	<ul style="list-style-type: none">• After every withdrawal	<ul style="list-style-type: none">• Once a day	
Individual assignment of user rights	<ul style="list-style-type: none">• By functions such as withdrawal, storage, reassignment etc.		
Transparency	<ul style="list-style-type: none">• Each withdrawal is documented	<ul style="list-style-type: none">• Allocation to cost centres	<ul style="list-style-type: none">• Reporting

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

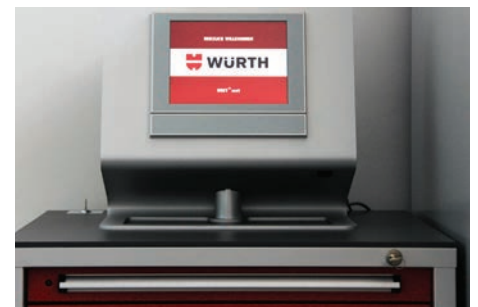


ORSY®mat HX (Helix)

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.



IT'S THIS SIMPLE!
SET UP YOUR INDIVID
JUST SIX STEPS!

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

UAL ORSY® MAT IN



6. Commissioning

- Train your employees
- Set up your individual configuration



4. Your approval

- Product approval
- Sign the contract
- Access rights



5. Set up the system

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

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

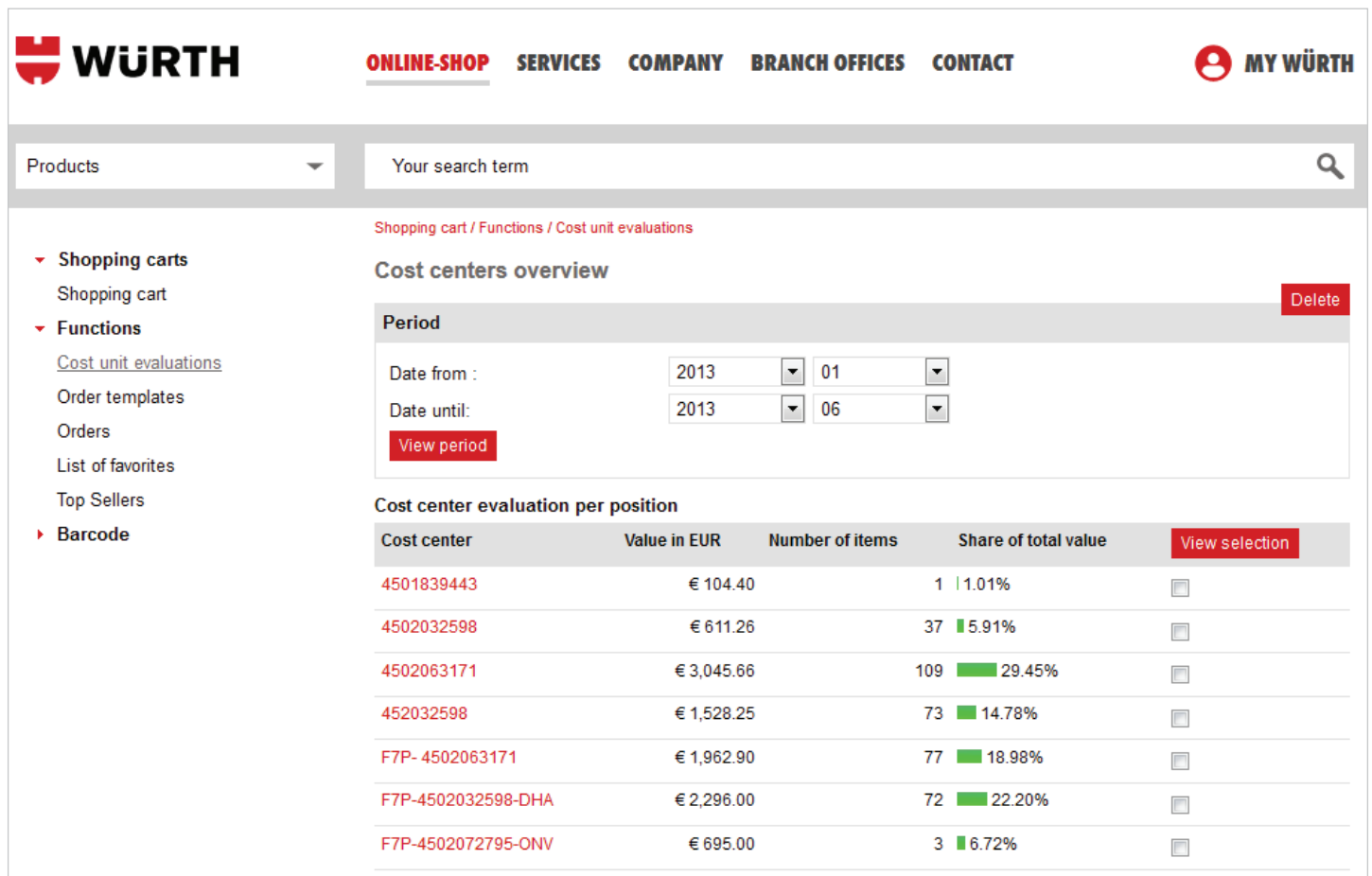
- Individual assignment of roles and rights
- German
- English
- French
- Spanish
- Dutch

Service

- Order information relayed to your business
- Option to have machine stocked by service employees from Würth Industrie Service
- Technical support
- Technical support



MAXIMUM TRANSPARENCY — ORSY[®]mat AND THE WÜRTH ONLINE SHOP



Shopping cart / Functions / Cost unit evaluations

Cost centers overview

[Delete](#)

Period

Date from : 2013 01

Date until: 2013 06

[View period](#)

Cost center evaluation per position

Cost center	Value in EUR	Number of items	Share of total value	View selection
4501839443	€ 104.40	1	1.01%	View selection
4502032598	€ 611.26	37	5.91%	View selection
4502063171	€ 3,045.66	109	29.45%	View selection
452032598	€ 1,528.25	73	14.78%	View selection
F7P- 4502063171	€ 1,962.90	77	18.98%	View selection
F7P-4502032598-DHA	€ 2,296.00	72	22.20%	View selection
F7P-4502072795-ONV	€ 695.00	3	6.72%	View selection

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.

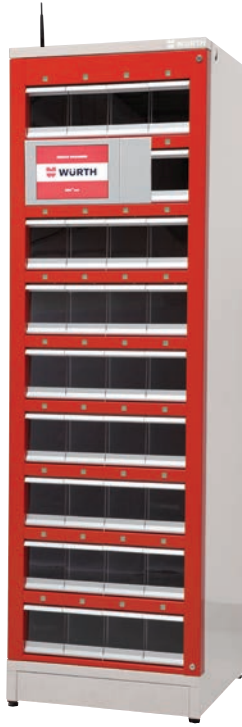
ORSY®mat FP — external dimensions: 60 x 195 x 56 cm (W x H x D)										
With control system	1. M65	2. M33	3. M27							
Number of compartments	65	33	8	12	4	2				
Internal dimensions of compartments	6x13	12x13	6x13	12x13	24x13	24x32				
Without control system	4. S72	5. S36	6. S34				7. S18	8. S10	9. 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

1.



ORSY®mat FP M65

2.



ORSY®mat FP M33

3.



ORSY®mat FP M27

4.



ORSY®mat FP S72
S72 add-on module

5.



ORSY®mat FP S36
S36 add-on module

6.



ORSY®mat FP S34
S34 add-on module

7.



ORSY®mat FP S18
S18 add-on module

8.



ORSY®mat FP S10
S10 add-on module

9.



ORSY®mat FP S9
S9 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



Helix with a **single** twist



Helix with a **double** twist



Helix with **half** a twist

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

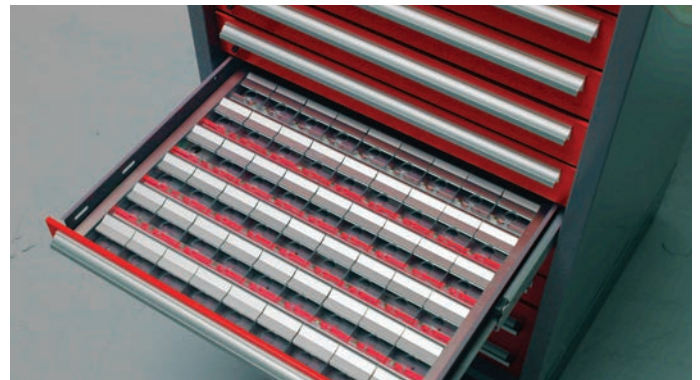
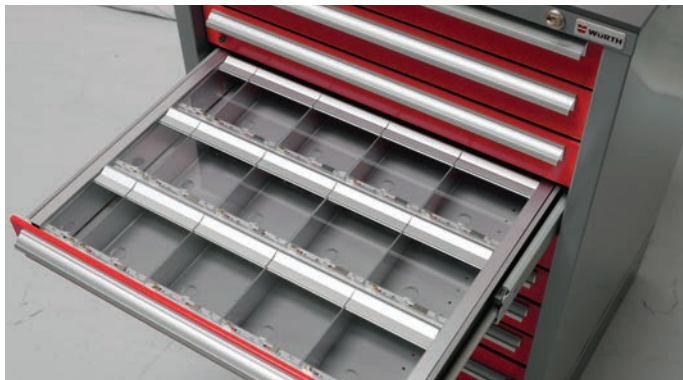
ORSY®mat DR — OPPORTUNITIES

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.



Drawer height		Number of flaps		Usable width in mm	Usable depth in mm	Usable height in mm
60 mm						
	1	63 consisting of:	54	60	57	20
			9	60	132	20
	2	54		60	82	20
	3	36		60	132	20
	4	27		60	182	20
	5	18		60	282	20
90 mm						
	1	54		60	82	50
	2	18		184	82	50
	3	6		184	282	50
	4	3		184	583	50
150 mm						
	1	6		184	291	110
	2	4		277	291	110

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

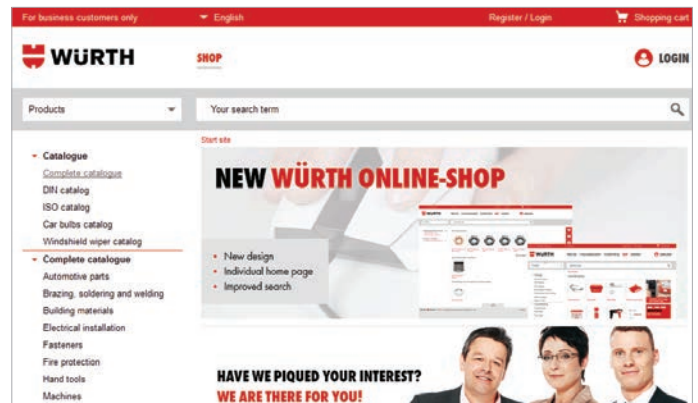
Find the right item for every field, individually tailored to the needs of your employees so that they are equipped for any situation.

- 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.



NOTES



ORSY[®]mat

Automated materials management

Würth Industrie Service GmbH & Co. KG
Industriepark Würth
97980 Bad Mergentheim, Germany
Tel. +49 (0)7931 91-0
Fax +49 (0)7931 91-4000
www.wuerth-industrie.com
Info@wuerth-industrie.com

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D. Reuter/ORSY dept.
T. Boss/eC dept.
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