

**WÜRTH Industrie Service**

DE | **EN**

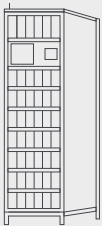
# **ORSY<sup>®</sup>MAT SYSTEMS**

**The holistic vending machine concept  
for operating and auxiliary materials**

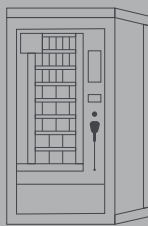
**MAXIMUM SECURITY FOR YOUR  
MATERIALS MANAGEMENT**

**VARIOUS MODELS  
FOR YOUR NEEDS**

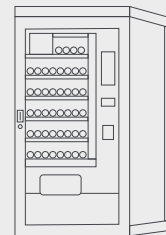
**LOG IN  
RETRIEVE PRODUCT  
AUTOMATIC REORDERING**



**ORSY<sup>®</sup>MAT FP  
FLAP BASED VENDING MACHINE**



**ORSY<sup>®</sup>MAT RT  
ROTATION BASED VENDING MACHINE**



**ORSY<sup>®</sup>MAT HX  
HELIX BASED VENDING MACHINE**



**ORSY<sup>®</sup>MAT WGT  
WEIGHING SYSTEM**



**ORSY<sup>®</sup>MAT CHE  
HAZARDOUS SUBSTANCE SYSTEM**

**1**

**OUR PROMISE  
C-PARTS. WITH CERTAINTY.**



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# OUR THINK TANK. THIS IS WHERE OUR HEADS ARE SPINNING.

## **Dear customer of Würth Industrie Service!**

Imagine, you always have all important consumables in stock and you do not need much space for them! This is exactly the principle of **ORSY<sup>®</sup>mat solutions**. Your employees take the things whenever they need them, the system reorders automatically and documents all processes.

The innovative control system communicates directly with the ERP system of Würth Industrie Service and thus enables real-time inventory management and automatic refilling of operating materials, tools and other product groups such as personal protective equipment (PPE). By doing this, the systems ensure that you can use your C-Parts at the right time, in the required quantity and in the right quality directly at the place of usage. In this way, you can ensure your material supply and save a considerable part of your process costs. Würth Industrie Service has specialized in the optimal supply, storage and quality of exactly these materials and offers innovative solutions which make your materials management even easier and more efficient. Our ORSY<sup>®</sup>mat solutions combine an advantageous, automated procurement with a high degree of flexibility in storage and provision of operating supplies for your employees – directly at their point of use.





**As your reliable partner, we will be glad to give advice and provide support!**

In addition to full-service solutions for production materials, we also offer an optimal solution for production-related consumables with our procurement and warehouse management systems. The modular design offers the flexibility for an automated, clear, transparent and time-independent supply with direct reordering of your required articles. Benefit from this professional system which has grown over decades and save time and costs. We are working on the further development of our systems and drive innovations resolutely.



**Martin Jauss**

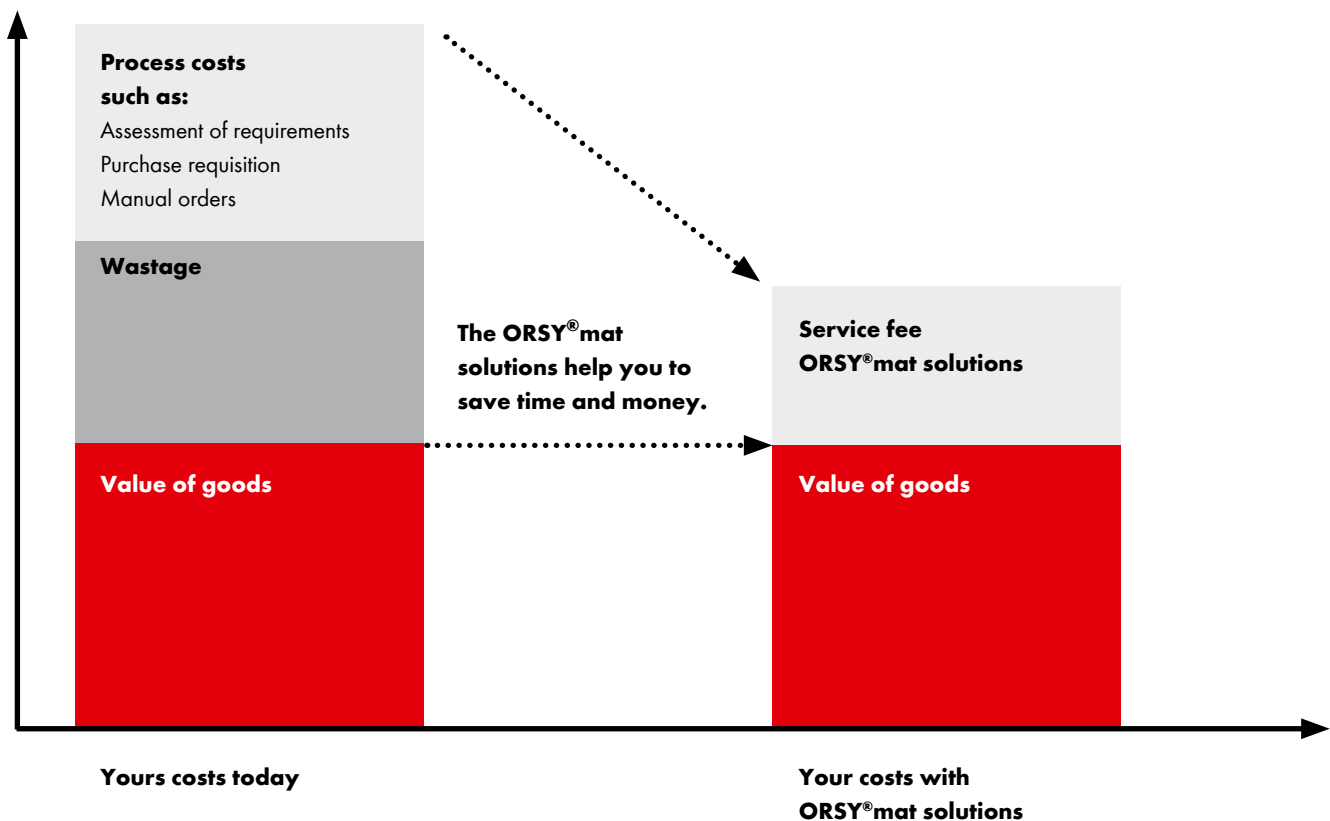
Managing Director Marketing and Sales of Würth Industrie Service GmbH & Co. KG

# IN A NUTSHELL

## What is an ORSY®mat system?

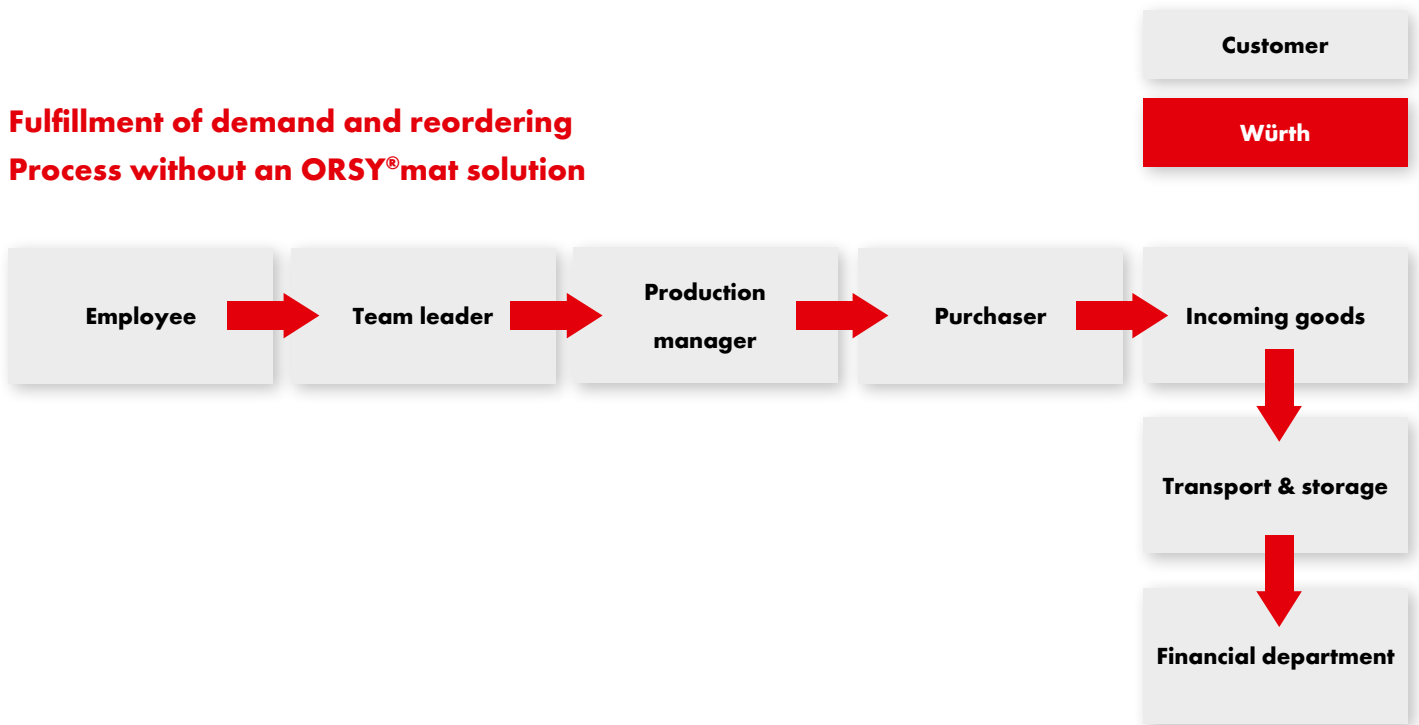
**ORSY®** is the shelving system that provides optimal storage and provision of materials, enabling you to implement an **OR**dered materials management **SY**stem. Our vending machines are available in various models for an autom**ated** material supply. All vending machines are access-restricted and closed systems with fully automatic reordering function. For this very safety reason, our customers trust in our solutions. Using the combinable models of our vending machines, we take care of the supply, storage, provision to the fully automatic reordering of your operating supplies. All processes are transparent and therefore completely traceable. The modular design offers the flexibility for a clear, transparent and time-independent supply with direct reordering of your requirements. With the help of this intelligent automated material supply, we reduce your procurement and storage costs, increase the availability of goods and reduce the wastage of consumables.

## See the benefits for yourself:

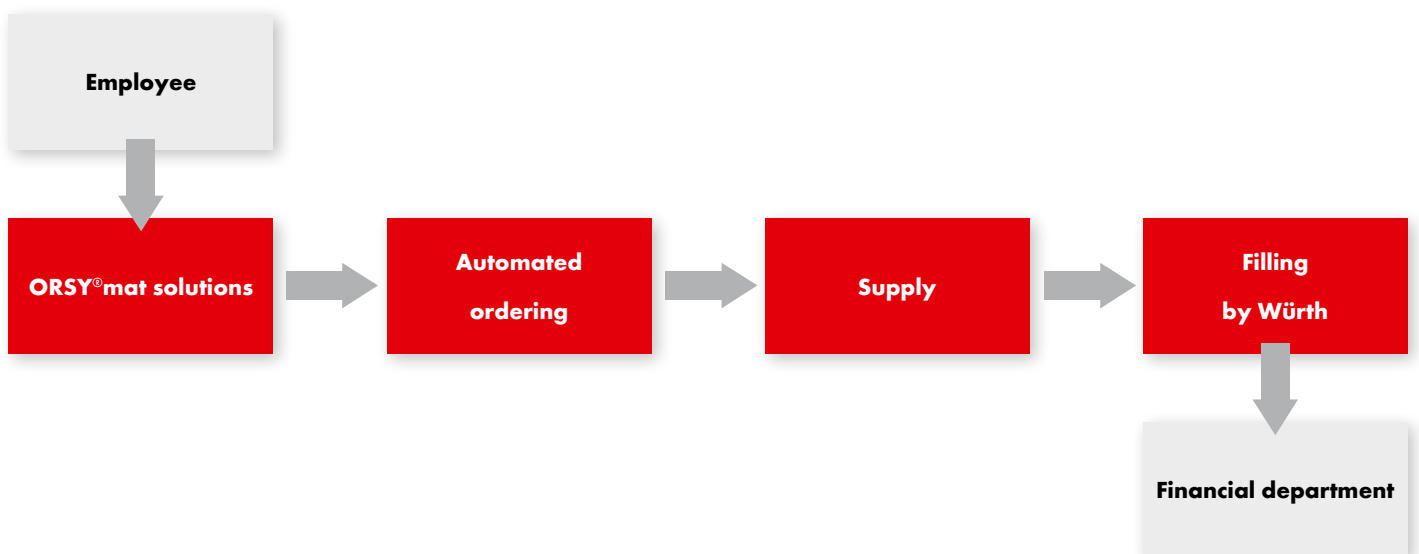


# PROCESS SIMPLIFICATION WITH THE ORSY<sup>®</sup>MAT SOLUTIONS

## Fulfillment of demand and reordering Process without an ORSY<sup>®</sup>mat solution



## Fulfillment of demand and reordering Process with an ORSY<sup>®</sup>mat solution





# BENEFIT FROM THESE ADVANTAGES.



## **Access-restricted storage**

The ORSY®mat system is a closed system which allows only authorized persons to access the items.

## **Maximum process transparency**

The system sends individual reports by e-mail as well as all collected data as an Excel file. This gives you an overview of all transactions, withdrawals and order placements. Cost center assignment is also possible.

## **Modular design**

The composition of the combinable vending machine modules is made according to your product variety, product size and quantities you require.

## **Easy connection**

The machines only need a power supply to order all withdrawn articles fully automatically. Via mobile network, communication directly takes place with the ERP system of Würth Industrie Service. An integration into your existing network is not necessary.



### **Reduced costs**

Due to careful handling, reduced consumption and workload for your employees, you not only reduce material costs, but also gain time to concentrate on your core business.

### **Easy integration into the material supply**

The machines can be integrated into the existing material supply without any problems. You do not have to change internal processes.

### **Automatic reordering**

Withdrawn items are automatically reordered. The orders are collected in our logistics department and delivered within the agreed cycle. Optional storage of the goods by employees of Würth Industrie Service.



# JUST ONE CLICK AND YOU GET A COMPLETE OVERVIEW

## Maximum transparency and full control

The ORSY®mat systems are closely linked to the ERP system of Würth Industrie Service. All items data, such as item-number, designation, material image and your material number are precisely provided by the Würth system via the mobile network. Via the same route, the triggered orders are transmitted in real time to the ERP system of Würth Industrie Service. A connection to your ERP system is also possible.

In the order control of the ORSY®mat systems, an order item collector is stored to order the articles in an logistically optimized way via the mobile network – without any manual entry of your employees. A fully automatic and precise allocation of the withdrawal to your defined cost centers is also possible. The reporting file is sent by e-mail. In addition, we offer you an overview of the use and consumption of the articles on the online platform "Service Center" at any time.

Protokoll											
Kundennr. ▾	Ereignis ▾	Artikelnummer	Modul ▾	Ebene ▾	Fach ▾	Menge	Datum Date aus Date To ▾	Zeit ▾	AutomatenBenutzerID ▾	Automatennr. ▾	
>	765753	Entnahme	026800520 005 10	100	1	22	1	13.11.2017	13:11:12	1	125
>	765753	Entnahme	0247010100005 25	100	1	28	25	13.11.2017	13:11:07	1	125
>	765753	Entnahme	000010 20 092 100	100	1	39	100	13.11.2017	13:11:01	1	125
>	765753	Entnahme	023460420 005 100	100	1	38	100	13.11.2017	13:10:57	1	125
>	765753	Entnahme	02476 40 005 50	100	1	23	50	13.11.2017	13:10:52	1	125
>	765753	Entnahme	0899405110961 6	1	1	3	1	13.11.2017	11:02:58	123456	406
>	765753	Entnahme	0899405110961 6	1	1	2	1	13.11.2017	10:54:00	123456	406
>	765753	Entnahme	0899405110961 6	1	1	1	1	13.11.2017	10:00:35	123456	406
>	765753	Entnahme	00003 35 092 500	1	4	6	0	13.11.2017	08:59:25	1	122
>	765753	Entnahme	0648336011961 2	7	5	52	2	13.11.2017	08:59:20	1	122
>	765753	Entnahme	039110 005 50	0	5	3	0	13.11.2017	08:59:16	1	122
>	765753	Entnahme	039110 005 50	9	2	4	250	13.11.2017	08:53:50	1	122
>	765753	Entnahme	039110 005 50	9	2	3	50	13.11.2017	08:53:34	1	122
>	765753	Entnahme	039110 005 50	9	2	2	1	13.11.2017	08:53:22	1	122
>	765753	Entnahme	039110 005 50	9	1	6	1	13.11.2017	08:52:53	1	122

**ARE YOU  
UP-TO-DATE?**

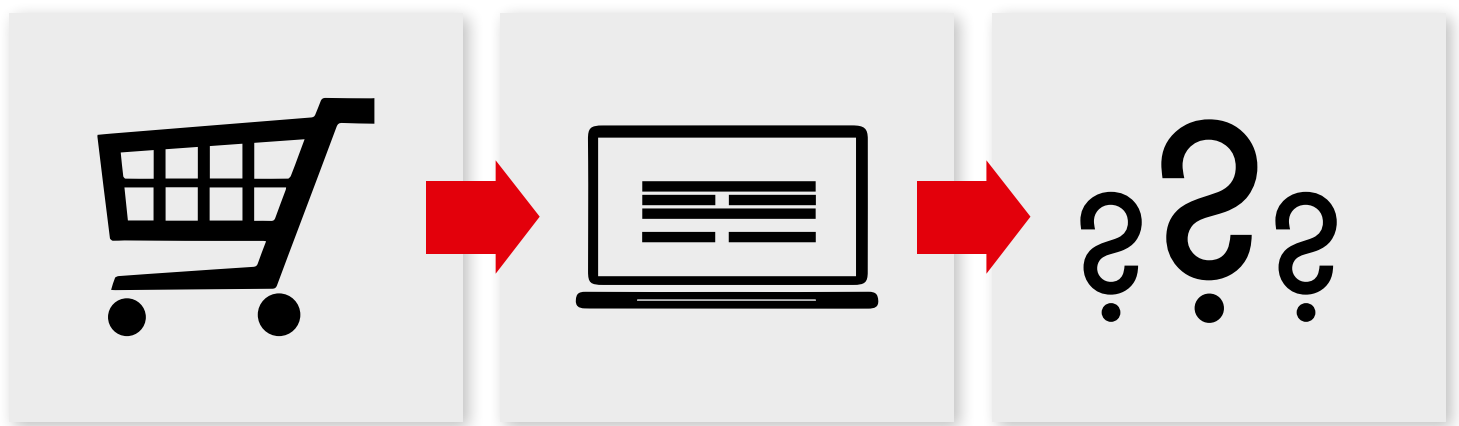
**READY –  
STEADY GO.**



# SIX STEPS TO YOUR INDIVIDUAL SYSTEM

## Let's get started!

We work with you to develop your customized vending machine designed to suit your working situation. You specify the scope and contents.



### 1. Define the product range

- Gather and assess your material requirements
- Record your requirements on the supply

### 2. Plan the modules

- Customized planning of individual modules
- Location planning
- Logistics concept

### 3. Check the installation location

- Space requirements
- Power connection
- Data connection



### 4. Your approval

- Product approval
- Sign the contract
- Access rights

### 5. Set up the system

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

### 6. Commissioning

- Train your employees
- Set up your individual configuration

**IT'S THAT SIMPLE!**

**LOG IN.  
RETRIEVE PRODUCT.  
THE SYSTEM REORDERS  
AUTOMATICALLY.**

**FIGURE IT OUT.**



**ORSY<sup>®</sup>mat**





**AS INDIVIDUAL  
AS YOUR  
REQUIREMENTS.**

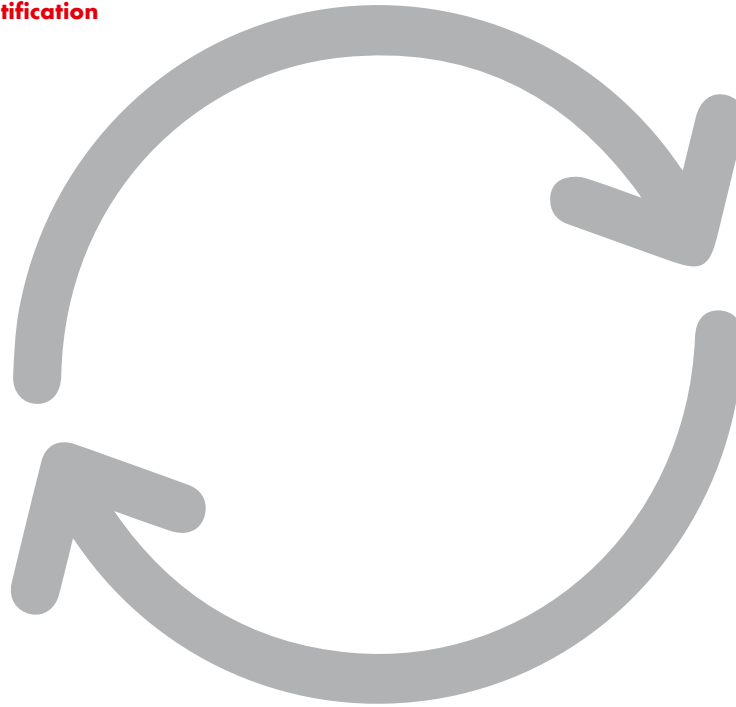
# THE PROCESS OF YOUR SYSTEM SOLUTION



**1. Access after identification**



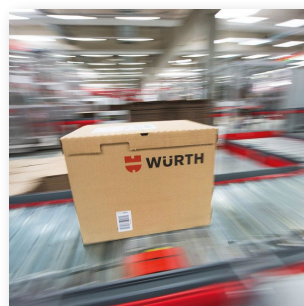
**2. Product withdrawal**



**3. Reordering**



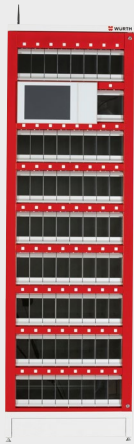
**5. Storage**



**4. Supply**

# OUR VENDING MACHINES AT A GLANCE.

The prominent feature of these three types of vending machines is the individual composition. The systems can be combined with each other in different variants. Identification is realized via PIN code, barcode or RFID (Radio Frequency Identification).



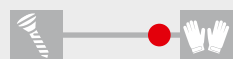
## ORSY®mat FP – Flap based system

This system is ideally suitable for the storage and provision of high-quality, but bulky commodities and consumables.

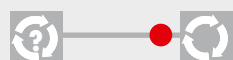
### Requirements type



### Required quantity



### Regularity of the requirements



Each system has different advantages and special features. To illustrate this, each system is classified according to the criteria requirements type, required quantity and regularity of the requirements. So, the selection of the suitable solution as well as the advantages in using the systems are made clear at a glance.

### Requirements type

The variety of items used in production, materials management and intralogistics is large: These range from direct materials such as screws, bolts, washers, nuts as well as DIN/standard parts and drawing parts to indirect materials such as tools, lubricants and adhesives, batteries, workwear and clothes. The ORSY®mat systems are mostly used exclusively for indirect materials.



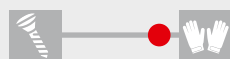
## ORSY®mat RT – Rotation based system

This system is suitable for the securely guided dispensing of various small or medium-sized items, such as drills, bits and grinding discs.

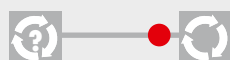
### Requirements type



### Required quantity



### Regularity of the requirements



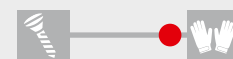
## ORSY®mat HX – Helix based system

This system is ideally suitable for dispensing single units of frequently required auxiliary and operating materials, such as gloves.

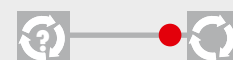
### Requirements type



### Required quantity



### Regularity of the requirements





**These two vending machine types are self-contained systems and cannot be combined with other ORSY®mat systems. Identification is only realized by RFID.**



#### **ORSY®mat WGT – Weighing system**

This system with integrated weighing cells is particularly suitable for the removal of several items at the same time as well as for removing individual pieces.

##### **Requirements type**



##### **Required quantity**



##### **Regularity of the requirements**



#### **Required quantity**

The required quantities of an article can greatly vary depending on the product, machine or system to be manufactured. These range from very small to large quantities. Depending on the required quantity, different systems are suitable.

#### **Regularity of the requirements**

The requirements can be different for various product groups and also for individual articles: regular, fluctuating, seasonal or irregular. Our product range also offers the appropriate solution for these cases.



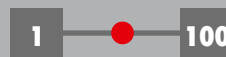
#### **ORSY®mat CHE – Hazardous substance system**

This system is suitable for the safe, needs-based and legally compliant storage of chemical-technical products.

##### **Requirements type**



##### **Required quantity**



##### **Regularity of the requirements**



# THE FLAP BASED VENDING MACHINE

**ORSY<sup>®</sup>MAT FP**

**A REAL  
ALLROUNDER**

**AVAILABLE IN  
10 MODELS**

**UP TO 72  
FLAPS  
POSSIBLE**

**AVAILABLE  
WITH OR  
WITHOUT  
CONTROL**

**SECURED  
ACCESS**

**STORAGE AND  
PROVISION**

**SUITABLE FOR PROCESSING  
RETURNABLE PACKAGING**

**24H  
AVAILABILITY  
OF GOODS**



# THE VENDING MACHINE FOR COMMODITIES AND CONSUMABLES

## Our ORSY®mat FP (flap based system)

The innovative control system communicates directly with the ERP system of Würth Industrie Service and thus allows transparent inventory management and replenishment of operating materials. Ten variants of the ORSY®mat FP with up to 72 flaps are available for your individual needs. We work with you to develop your individual and modular vending machine designed to suit your working situation. In addition, the flap based vending machine is used for transparent returnable packaging processing, e.g. by securely storing, dispensing and re-stocking machines after use.



# YOUR INDIVIDUAL VENDING MACHINE SUITABLE FOR YOUR REQUIREMENTS

You can choose from ten **ORSY®mat FP** variants with external dimensions of 60 x 200 x 56 cm (W x H x D) and up to 72 flaps.

**ORSY®mat FP M65 with control**



**ORSY®mat FP M33 with control**



**ORSY®mat FP M27 with control**



**ORSY®mat FP S72 – Add-on module S72**



**ORSY®mat FP S36 – Add-on module S36**



**ORSY®mat FP S34 – Add-on module S34**



**ORSY®mat FP S18 – Add-on module S18**



**ORSY®mat FP S10 – Add-on module S10**



**ORSY®mat FP S9 – Add-on module S9**



**ORSY®mat FP S5 – Add-on module S5**



# THE ROTATION BASED VENDING MACHINE

**ORSY<sup>®</sup>MAT RT**

**MODULAR  
DESIGN**

**4 TO 48  
COMPARTMENTS  
PER LEVEL**

**UP TO 384  
COMPARTMENTS  
IN ONE MACHINE**

**TECHNICAL  
SUPPORT**

**SECURE  
STORAGE**

**SUITABLE FOR  
PRODUCTION COMPANIES**

**FILLING DEPENDING ON THE  
PACKAGING UNIT**

**24H  
AVAILABILITY  
OF GOODS**

# THE VENDING MACHINE IMPRESSES WITH ITS VARIETY OF PRODUCTS

## Our ORSY®mat RT (rotation based system)

The rotation based vending machine impresses with its flexibility regarding the variety of products and can be integrated into your material supply without changing your internal processes. It also allows an individual composition depending on the diversity of your product range, the size of the items and your requirements. The vending machine is particularly suitable for production companies that require a large number of medium-sized operating supplies. The different designs of the compartments form the basis for utmost flexibility in terms of quantitative capacity. With external dimensions of 90 x 200 x 80 cm (W x H x D), the vending machine offers space for 4 to 48 compartments per level and can therefore be used for the provision of up to 384 different items.

### ORSY®mat RT with control



### ORSY®mat RT as add-on module



# THE HELIX BASED VENDING MACHINE

**ORSY<sup>®</sup>MAT HX**

**UP TO 48 PRODUCTS AND  
1,000 UNITS IN ONE SYSTEM**

**ISSUANCE OF  
INDIVIDUAL  
PRODUCTS**

**FLEXIBLE  
NUMBER  
AND SIZES OF  
SPIRALS**

**TRANSPARENCY  
ABOUT YOUR  
CONSUMPTION**

**INDIVIDUAL  
COMPOSITION**

**INDIVIDUAL REMOVAL  
OF ITEMS**

**SPLITTING OF PACKAGING  
UNITS POSSIBLE**

**24H  
AVAILABILITY  
OF GOODS**



# IDEAL FOR OPERATING SUPPLIES AND SAFETY PRODUCTS

## Our ORSY®mat HX (helix based system)

This helix based vending machine should not be missing in your material management. This variant is the ideal solution for dispensing single units of frequently required operating supplies and industrial safety products. With regard to the product range, item size and quantity requirements, the helix based vending machines are designed to suit your needs and can be seamlessly integrated into your material supply. This system impresses with its high product variety and the flexible number and sizes of spirals. The „shop window effect“ ensures that items can be rapidly found. ORSY®mat HX recognizes the withdrawal of the last article of a packaging unit and then triggers reordering. The external dimensions of 90 x 200 x 80 cm (W x H x D) and the different numbers of spirals form the basis for utmost flexibility in terms of quantitative capacity.

### ORSY®mat HX with control



### ORSY®mat HX as add-on module



# **WEIGHING SYSTEM FOR MRO DEMANDS**

**ORSY<sup>®</sup>MATWGT**

**SIMULTANEOUS  
WITHDRAWAL OF  
SEVERAL ITEMS POSSIBLE**

**STORAGE OF  
LARGE-VOLUME  
ITEMS**

**WITHDRAWAL  
ON ITEM LEVEL**

**FOR  
CONSUMABLES  
WITH MEDIUM  
DEMAND**

**ACCESS-  
RESTRICTED**

**PRECISE WEIGHING  
TECHNOLOGY**

**COMPLETE STOCK  
OVERVIEW AT ANY TIME**

**24H  
AVAILABILITY  
OF GOODS**



# HOW MUCH WOULD YOU LIKE? WEIGH OUT.

## Our ORSY®mat WGT (weighing system)

The ORSY®mat WGT recognizes article withdrawals on the basis of integrated weighing cells which record the weight of the stored item. This technology allows you to remove individual items independent of the packaging unit. In addition, it is possible to remove several articles from the vending machine at the same time – as it is the case with an ordinary material cabinet. As soon as the machine is closed after removal, it automatically counts the items stock inside – this ensures a complete stock overview at any time. Due to weighing cells in different sizes, the system is suitable for the management of almost all auxiliary and operating materials. Even large-volume items such as protective suits, leather gloves or large grinding discs can be optimally stored in the ORSY®mat WGT thanks to the installation of large weighing cells.

### ORSY®mat WGT with control



### ORSY®mat WGT as add-on module



# HAZARDOUS SUBSTANCE SYSTEM

**ORSY<sup>®</sup>MAT CHE**

**SAFE AND LEGALLY  
COMPLIANT STORAGE**

**SUITABLE FOR  
CANS AND  
CANISTERS**

**VARIABLE  
NUMBER OF  
LEVELS**

**FOR CHEMICAL-  
TECHNICAL  
PRODUCTS**

**EFFICIENT  
SPACE  
UTILIZATION**

**SAFE SUPPL**

**TIME SAVING**

**24H  
AVAILABILITY  
OF GOODS**

# A MATERIAL STORAGE FOR CHEMICAL SUBSTANCES

## Our ORSY®mat CHE (for chemical-technical products)

The hazardous materials cabinet with its variable number of levels is suitable for the safe and demand-oriented storage of your chemical-technical products such as cans or canisters in the work area. It is the first system for storage of hazardous substance that reorders not only automatically, but above all independently. Legally compliant storage and exclusive access with authorization: The ORSY®mat CHE combines these two characteristics. The machine is available in sizes XS and XL, each with and without control.

**ORSY®mat CHE XS**



**ORSY®mat CHE XL**



**THE PERFECT  
COMPLEMENT.**

# AUTOMATED SYSTEMS ARE ONLY THE BEGINNING

## ORSY®Push – Material storage system for fast and easy reordering

The ORSY®Push storage and ordering system is suitable for consumables with irregular requirements that you need to access quickly and independently. Thanks to the innovative control and sensor technology, the effort for manual purchase requisitions and orders is reduced, thus minimizing purchasing and storage costs. Therefore, a quick change of the product range and the different types of packaging is possible. The fact that the system can be used as a bin/box system and as a storage facility for chemical-technical products offers maximum flexibility and ensures efficient use of space (also available as mobile shelving unit).



**WE ARE WHERE  
YOU ARE.**



# ALSO AVAILABLE ON SITE

## ORSY®CRIB – Automated material dispensing

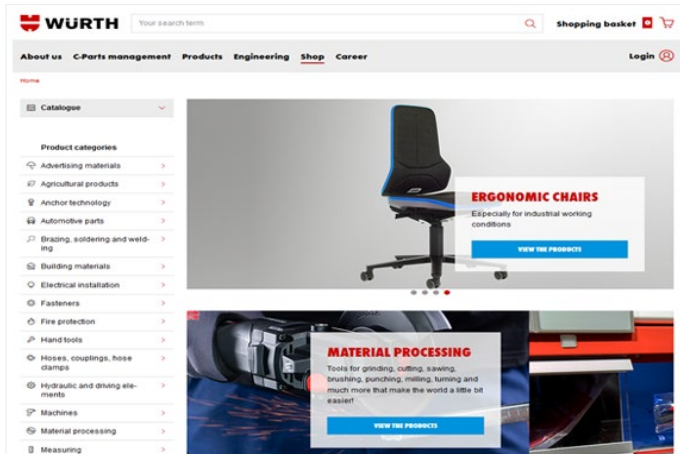
This material dispensing system contains your individual requirements on production equipment such as auxiliary and operating materials, so that they are centrally available in one place 24/7. The system is based on our modular ORSY® shelving system and our scan terminal ORSY®CRIB. Your employees take off what they need and scan the items at our scan terminal. This triggers the reordering of these articles. You save time and costs that would have been incurred by manual ordering and can concentrate on your core business instead. The automatic recording of withdrawals and the related order placements provides you with an optimal overview of the consumption and the certainty that no order will be lost.



**WE CAN EVEN  
MORE.**



# MAKE THE RIGHT CONNECTION



## Würth Online Shop

Supply with security! – Our online shop is open 24/7 and provides a full range of more than 150,000 products. You can find there thousands of certifications, data sheets and product details. It is the Würth Industrie Service electronic catalog and ordering system. Discover the wide range of products on offer and visit the online shop now at

<http://eshop.wuerth-industrie.com>.



## Würth Scanner

Make the right connection! – Take advantage of our wide range of applications and services, such as our Würth Scanner:

- Easy scanning of product barcodes
- Fast transmission in the shopping basket
- Sending of the order within a few seconds



## Würth App

The Würth app enables you to scan the barcodes on your product packagings and bins for easy ordering or to access helpful product information. All you need is a smartphone, the (free) app and a login for our online shop.



**A WORLD WITHOUT IDEAS  
AND PROGRESS.  
UNIMAGINABLE FOR US.**

# HOW CAN WE HELP YOU?

We will be happy to provide you with advice and practical support and inform you in a personal meeting about **ORSY®mat systems – The holistic vending machine concept for operating and auxiliary materials**. Please contact us. We look forward to hearing from you!

If you have questions, do not hesitate to contact me:

Name

Division/department

Telephone number

E-Mail



# ORSY<sup>®</sup>MAT SYSTEMS

**Holistic vending machine concept for operating and auxiliary materials**

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