

reca iSTORAGE

RECA iSTORAGE VENDING MACHINES

The automated material supply

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KELLNER & KUNZ AG

Your specialist for C-parts management



Leading C-parts specialist with 100 years of experience

Kellner & Kunz AG is one of the two leading companies of the RECA Group, a group of companies with around 27 companies in 19 European countries. It focuses its market development on the industrial and commercial sectors and offers its customers a competent, comprehensive range of products and services.

Sophisticated logistics hub

The state-of-the-art, automated logistics centre, from which more than 5,000 deliveries are made daily to companies throughout Europe, is located at the headquarters in Wels. The company has around 1,400 employees and most recently reported group sales of 382 million euros.

Performance features at a glance

- RECA own brand offering the highest quality
- Top products from leading manufacturers
- Assortment of about 120,000 products and more are added every day
- Specialised industrial range tailored to customer requirements
- Customised logistics solutions and optimisation of customer processes through innovations: RFID technologies, RECA RFID iBin, online solutions, KANBAN systems, innovative package solutions and much more
- 68,000 active customers in the Kellner & Kunz Group
- On-site support provided by around 800 competent sales representatives
- Customer seminars and events

Innovative and customer specific C-parts solutions

Kellner & Kunz specialises in optimising procurement and supplying industrial companies and skilled craftsmen with the necessary small parts in the C-parts sector. C-parts include screws, nuts, tools, auxiliary and operating materials, but also small parts ranging from electrical, hydraulic and pneumatic systems through to office supplies. Generally, these parts enjoy little attention in procurement and logistics but generate enormous process costs in the individual areas. A functioning C- parts management thus results in considerable cost savings in materials management for production and assembly companies.

For around 35 years, the company has been intensively involved with customer-specific solutions and is constantly developing new service systems in the C-parts sector.

New technologies and innovations

Kellner & Kunz focuses on new technologies and permanent development of new systems. One current example is enhancing the KANBAN modules with RFID technologies!



AUTOMATED SYSTEMS

RECA iSTORAGE – automated, but still individual



Discover our wide range of options!

Our RECA iSTORAGE solutions combine efficient, automated procurement with maximum flexibility when it comes to stocking and dispensing tools, as well as auxiliary and operating materials of all kinds - directly at the point of use.

No matter which products you would like to use RECA iSTORAGE for, we have the right management system!

Thanks to the variety of the system modules including flap based vending machines, weight based vending machines, rotating vending machines, drawer based vending machines, helix based vending machines and hazardous substance vending machines, they can be flexibly adapted to your operating equipment.

Access around the clock - 24/7

Save time and money with the connected RECA iSTORAGE dispensing machine solutions, which make your everyday business operations much easier through state-of-the-art technology.

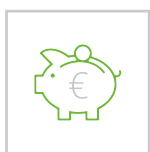
The ideal solution for your warehousing

The **fully automated ordering system, permanent availability** and easy handling during removal and filling create free space for the actual work process and thus a noticeable added value.

With RECA iSTORAGE solutions, we offer you a digitally controlled material flow that can be monitored at any time and optimal storage for various auxiliary materials.



Your advantages at a glance



Economical procurement and storage

The automated ordering system optimises your procurement process. Storage costs and shrinkage are reduced.



Automated but still individual

With the modular structure, we offer you individual solutions tailored to your needs.



Order and overview

All vending machines allow you to select articles easily - e.g. product search on the screen, scanning the product on the barcode catalogue or direct selection option.



Cost overview

Thanks to the withdrawal log you have the highest possible process transparency.



Access around the clock - 24/7

You can access your consumables any time.



No waiting times

The products are available for your employees at any time.



Easy to manage

Your employees have simple, regulated access - e.g. by PIN code, employee card or chip.



Reduction of time wasted en-route

Orders are transmitted in real time and our RECA system administrator takes care of the replenishment.

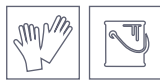
FLAP BASED VENDING MACHINE

The flap based vending machine is a real all-rounder offering maximum flexibility!

Due to its compact design and the locked storage locations, the flap based vending machine is suitable for storing a wide variety of tools and consumables, but especially for high-quality products. The flap based vending machine is therefore frequently used for dispensing occupational safety articles (PPE), power tools and measuring equipment.

After selecting the desired product, the corresponding storage location is displayed to the user by means of an LED light and released; all other flaps remain locked.

A total of 10 variants of the flap based vending machines with up to **72 storage locations/flaps** are available.



Retrieval option:

- Agreed batch sizes or packaging units (PU)

Facts:

- Different flap layouts possible
- With or without control system
- Maximum total of 72 flaps
- Third-party and returnable items management
- Authorisation concept

Dimensions:

- 195x60x56 cm (HxWxD)

Suitable for:

- Occupational safety (PPE)
- Consumables and supplies
- Power tools
- Abrasives
- and much more

With control system:



Example



Without control system:



Your advantages at a glance:

- Offers plenty of storage space
- Wide range of articles possible
- Extremely space-saving due to compact design
- High level of safety with individually locked storage areas
- Faster product selection thanks to the visibility of each product
- Modular and flexible system thanks to different flap sizes
- Slots inside the flap for even easier removal

WEIGHT BASED VENDING MACHINE

The weight based vending machine will impress you with its integrated scales and easy handling!

Thanks to the new weighing technology, the weight based vending machine automatically registers when articles are removed.

The cabinet will impress you because it is easy to use and very little time is needed to remove the articles.

As with a normal tool cabinet, several articles can be removed simultaneously. After removal, the cabinet is closed and the inventory is recorded fully automatically. This means that you have an overview of your material stocks at all times.

Due to the different sized load cells, the system is suitable for managing almost all auxiliary and operating materials. Even larger products such as work protection items, welding material and abrasives can be stored optimally in the weight based vending machine by installing large load cells. A maximum of **90 different articles can be stored** in one dispenser.



Retrieval option:

- Agreed batch sizes or packaging units (PU)

Facts:

- Weighing technology
- Up to 90 storage locations on up to 9 levels
- 6 different compartment sizes

Dimensions:

- 195x120x60 cm (HxWxD)

Suitable for:

- Occupational safety (PPE)
- Consumables and supplies
- Welding material
- Abrasives
- and much more



Version with RECA storage container



Version with attachment frame

Additional facts

- Full, partial and individual withdrawal
- 5 different container sizes possible
- Weighing scales: 1 kg, 5 kg, 10 kg, 20 kg
- Possible with weighing scale attachment frame
- Modern design
- 5 different frame sizes
- Third-party and returnable items management
- Optional LED interior lighting

Compartment sizes (W x D x H):

Size 1: 1,100 x 500 x 100 mm (whole level)

Size 2: 530 x 500 x 100 mm (two scales)

Size 3: 343 x 500 x 30 mm (three scales)

Size 4: 193 x 367 x 30 mm (max. 5 scales per level - can be combined with 5, 6, 7)

Size 5: 128 x 239 x 30 mm (max. 7 scales per level - can be combined with 4, 6, 7)

Size 6: 93 x 169 x 30 mm (max. 10 scales per level - can be combined with 4, 5, 7)

5 different frame sizes:



Your advantages at a glance:

- Retrievals and deposits are detected automatically
- No manual input needed when used
- Intuitive removal on sight
- Flashing light and buzzer - visual and audible signalling when cabinet is not closed
- Stacking frame - ensures goods are optimally placed on the weighing floor
- LED lighting inside the cabinet - makes it easier to recognise the storage locations and articles

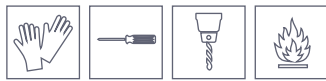
ROTATING VENDING MACHINE

Goods clearly arranged for quick retrieval!

The rotating vending machine is particularly suitable for production plants that require a large number and variety of small to medium-sized auxiliary and operating materials. It is used especially for stocking consumables where dispensing via a spiral is unsuitable.

With 10 levels and up to 48 compartments per level, it offers space for up to **480 different articles**. The rotating vending machine is particularly suitable for hand tools, drills, work protection, auxiliary and operating materials and much more.

If the user is authorised to remove articles from the vending machine, he can rotate the levels in „direct retrieval mode“ until the desired article is visible. By pressing the black button to the right of the level, the desired compartment opens. When using the list retrieval mode, the desired compartment is directly accessed and opened.



Retrieval option:

- Full retrieval

Facts:

- 10 levels with max. 48 compartments each
- Maximum total of 480 compartments
- Third-party and returnable items management

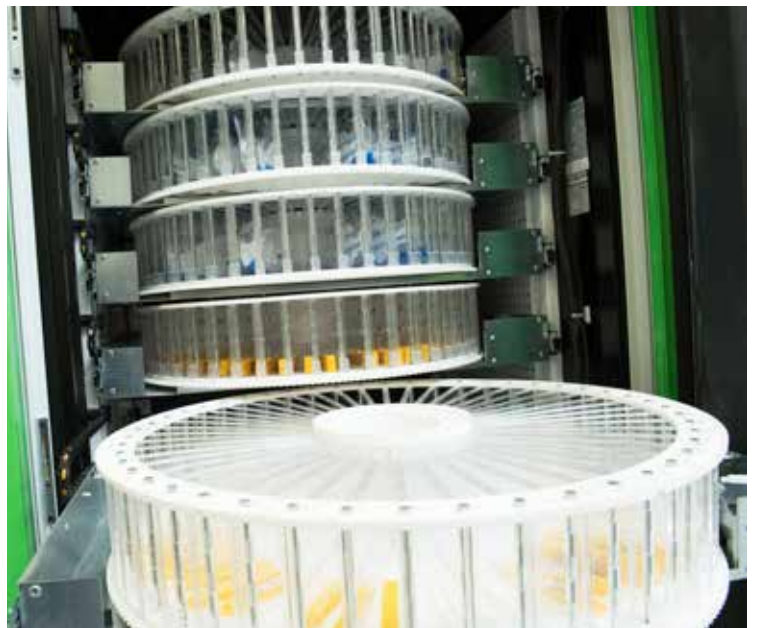
Dimensions:

with and without control system

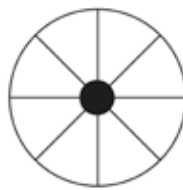
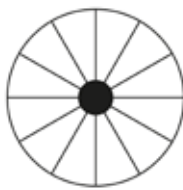
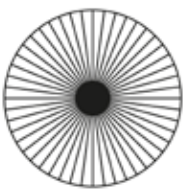
- 195x60x56 cm (HxWxD)

Suitable for:

- Occupational safety (PPE)
- Hand Tools
- Cutting tools
- Drills
- Consumables and supplies
- and much more



48, 24, 12 and 8 compartments



Additional facts

- 10 levels in total, each 11 cm high and 26 cm deep
- 48 compartments: 0.5 cm tapering to 3 cm
- 24 compartments: 1.5 cm tapering to 7 cm
- 12 compartments: 4 cm tapering to 15 cm
- 8 compartments: 7 cm tapering to 23 cm
- Double level possible

Your benefits at a glance:

- Up to 480 electronically locked storage locations spread over 10 levels
- Very clearly arranged
- Possible to store 1 item per storage location without wasting space
- Quick article selection: After selecting an article using the search function or barcode scanner, the dispenser rotates the relevant product to the correct position in just a few seconds
- "Direct removal mode" enables a visual personalized removal

DRAWER BASED VENDING MACHINE

The drawer based vending machine is a real space miracle!

The RECA iSTORAGE drawer based vending machine is particularly suitable for storing and dispensing high-quality or particularly sensitive items, such as hand tools, cutting tools, measuring and testing equipment and much more.

After logging in and selecting the article required, the corresponding drawer is displayed to the user via LED light and unlocked, with the remaining drawers remaining locked. The individual electronic flaps within the drawers make it perfect for your particularly high-quality tools.

The number and height of the drawers can be configured and with 11 different versions, the space miracle offers room for up to **945 compartments**.



Retrieval option:

- Agreed batch sizes or packaging units (PU)
- „The space miracle“ - a lot of room in a small space

Facts:

- 11 different variants possible
- Maximum total of 945 compartments

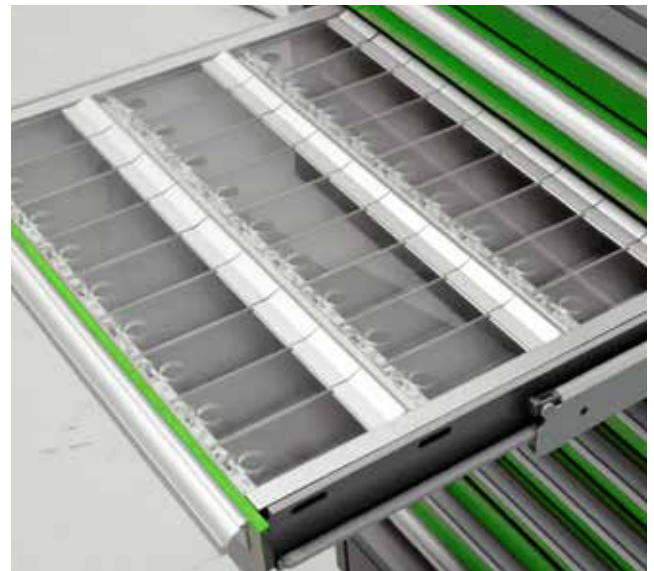
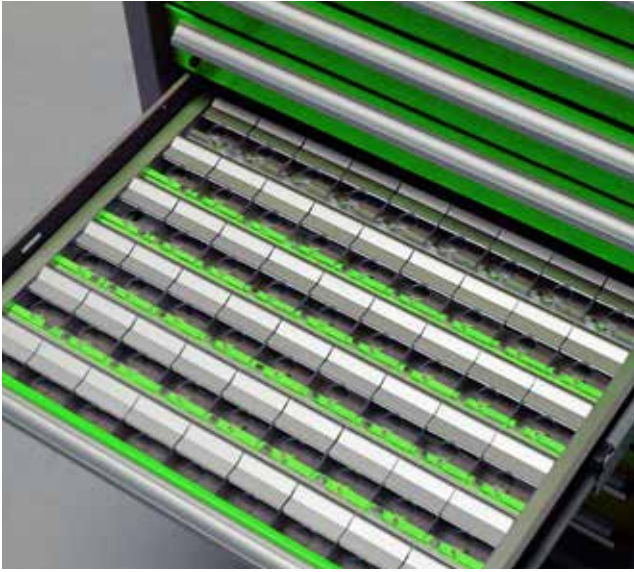
Dimensions: without touch screen

- 117x73x71 cm (HxWxD)
- 8 drawers with useful height 70 mm / front panel height 90 mm
- 1 drawer with useful height 220 mm / front panel height 240 mm

Suitable for:

- Cutting tools
- Hand tools
- Measuring and test equipment
- and much more

With the RECA iSTORAGE solution we offer you a fully automatic flow of goods and optimal storage for various auxiliary materials.



Your advantages at a glance:

- Access to consumables independent of time
- Automatic material supply
- Lower procurement and storage costs
- Increased availability of goods
- The products are available to your employees at all times
- Reduced shrinkage

DRAWER BASED VENDING MACHINE WITH WEIGHING TECHNOLOGY

A lot of room in a little space!

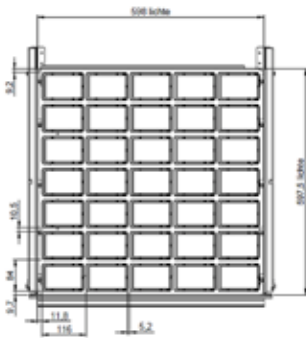
The RECA iSTORAGE drawer based vending machine with weighing technology is particularly suitable for storing and dispensing high-quality or especially sensitive items, such as hand tools, cutting tools, measuring and testing equipment and much more.

After logging in and selecting an article, the corresponding drawer is displayed to the user by LED light which then unlocks all the drawers.

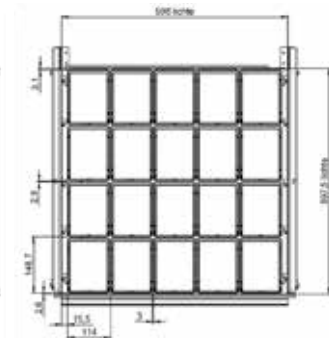
The number of drawers is configurable and with 6 different variants, the space miracle offers **space for up to 350** compartments.



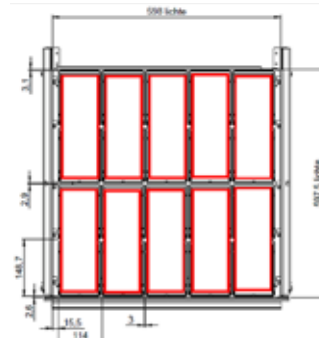
Size 1



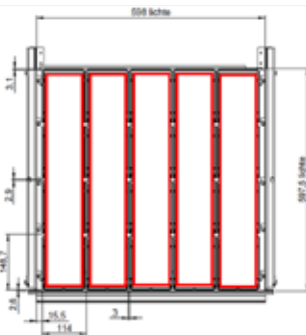
Size 2



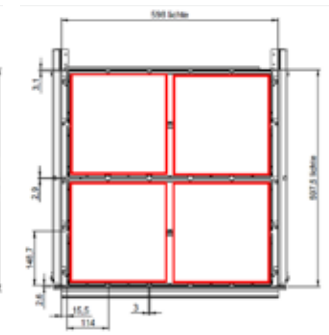
Size 3



Size 4



Size 5



Additional facts

- Agreed batch sizes or packaging units (PU)
- THE SPACE WONDER, a lot of room in a small space
- 6 different variants possible
- Maximum total of 350 compartments
- 118x73x71 cm (HxWxD)
- Suitable for cutting tools, hand tools, etc.
- Maximum transparency of your bin contents
- Automated order triggering without manipulating the bin
- Precise triggering of replenishment for your C-parts from a defined minimum stock level onwards
- Wireless connection
- Fully automatic order processing

Drawers (max. 8 pcs.):

- Size 1: 100 x 67 x 60 mm / 35 x per drawer
- Size 2: 103 x 135 x 60 mm / 20 x per drawer
- Size 3: 105 x 282 x 60 mm / 10 x per drawer
- Size 4: 107 x 578 x 60 mm / 5 x per drawer
- Size 5: 285 x 282 x 60 mm / 4 x per drawer
- Size 6: 143 x 78 x 60 mm / 28 x per drawer (for disposable cutting inserts)

HELIX BASED VENDING MACHINE

Everything neatly stowed away!

With the RECA iSTORAGE helix based vending machines, you can customise your requirements in terms of assortment variety, size and number of articles. The machine will impress you with its clearly arranged layout and fast article selection!

The helix based vending machine is suitable for retrieving individual consumables with a higher turnover rate. This means that articles with a higher consumption rate can also be removed while maintaining 100% control.

The machine offers space for up to 48 different products and 1,200 units. The helix based vending machine is particularly suitable for individually retrieving abrasives, auxiliary and operating materials as well as work protection articles and much more.



Retrieval option:

- Individual retrieval
- A lot of room in a small space

Facts:

- Up to 48 different products per dispensing machine possible
- 6 product levels per dispensing machine
- 4-8 different products per level
- 5-25 products per spiral
- 24-48 different products per machine
- Max. 1200 products per dispensing machine

Dimensions:

with and without control

- 195x90x90 cm (HxWxD)
- 8 units with useful height 70 mm / front panel height 90 mm
- 1 unit with useful height 220 mm / front panel height 240 mm

Suitable for:

- Abrasives
- Occupational safety (PPE)
- Consumables and supplies
- and much more

Spiral

- Single/double spirals
- 4 -35 turns
- Max. 8 spiral drawer levels



Your advantages at a glance:

- Offers a lot of storage space
- Very clearly arranged
- Quick item selection
- Individual products are dispensed by dividing the pack sizes, e.g. for cutting discs with a packaging unit (PU) of 50 pieces: after dispensing 50 cutting discs, the control system recognises that a PU has been reached and signals a replenishment order
- A light sensor monitors the actual dispensing of an item

HAZARDOUS SUBSTANCE VENDING MACHINE

Chemical-technical products safely supplied!

Various chemical-technical products such as brake cleaners, lubricants, etc. are used in numerous areas of production and maintenance. Procurement and compliance with the law often involve complex processes. In most cases, the products are stored centrally in a hazardous materials warehouse, which costs a lot of time and money.

With the RECA iSTORAGE hazardous substance vending machine, you always have the chemical-technical products where your employees need them. You can store hazardous substances clearly, safely and above all in compliance with the law.



Retrieval option:

- Agreed PU

Facts:

- With/without recirculating air filter unit
- Incl. recirculating air filter unit total height 239 cm
- Weight approx. 600 kg
- 4 shelves
- Cabinet certified according to Directive 2014/34/EU, EU Type Examination Certificate (PTZ 18 ATEX 0029 X)
- Available as master and add-on module
- Up to 5 cans in a row per compartment
- Type 90 cabinet according to DIN EN 14470- 1

Dimensions:

- 155x205x68 cm (WxHxD)

Suitable for:

- Aerosol dispensers or flammable liquids



The hazardous substance vending machine is used for storing flammable liquids or aerosols in accordance with regulations. Retrieval of the article is measured by means of an ultrasonic sensor.

The articles are reordered automatically via UMTS/LTE to the ERP system of Kellner & Kunz.

Your advantages at a glance:

- Very easy to use: retrievals and deposits are recognised automatically
- Recognizes removal automatically
- Visual intuitive removal possible

This is how it works

Everything easily and quickly accessible!



1 Easy identification, controlled access with

- PIN code
- Employee card
- Chip



2 Allocation of individual rights

- Removal and storage
- Administration and article management
- Access to returnable items (depending on the type of dispenser/cabinet)
- Blocking individual products for individual users (depending on dispenser/cabinet type)



3 User-friendly software

- Simple operation via touch screen
- User-friendly and requires little training effort
- High acceptance by users



4 Quick retrieval options

- Direct selection (depending on dispenser/cabinet type)
- Product search on the screen
- Scanning the product barcode
- LED lights for immediate recognition of the storage location



5 Automated transfer and replenishment orders

- Replenishment orders are automatically transmitted to the RECA system in real time



6 Order picking/delivery

- Picking order is automatically triggered in our logistics centre



7 Replenishment

- Replenishment takes place by means of an individual order cycle
- Refilling by RECA system administrator



8 Reporting

- Documentation of each retrieval
- Assignment to cost centres
- Automated evaluations



9 Support by RECA

- Training of your employees
- Professional support
- Refilling by RECA system administrator



10 Ongoing servicing

- Ongoing maintenance of the system components
- Ongoing software updates
- Servicing by RECA system technicians

Best practice

Optimise your operating and auxiliary output with us!

Our connected, modular RECA iSTORAGE solutions are already being used successfully in countless companies - from skilled craftsmen to large industrial enterprises. Processes have been simplified while controlled output and management create noticeable added value for companies.

Individual, modularly designed automatic systems are available in the production plants and workshops, adapted to meet your specific requirements.

Our in-house RECA systems engineering team are there to support you with their expertise. You too can implement your project in partnership with us and achieve material and time savings of up to 20 percent.



Visit us

Experience our services live!

Visit our state-of-the-art logistics centre and our CPS demonstration centre in Wels. Discover for yourself our logistical processes and our innovative services. We will be happy to advise you and work with you to develop a suitable concept together.





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