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ASD Systems®

Always On Duty



MULTIFUNCTIONAL
VENDING MACHINES

Not snacks. Not soda.

Smart storage for YOUR business.

For over 12 years, ASD Systems has been helping **companies like yours** take control of their PPE, tools, and equipment. **Thousands of machines, millions of items tracked, countless hours saved.**

12+
YEARS OF EXPERIENCE

5 000+
MACHINES PRODUCED

30+
COUNTRIES WORLDWIDE

215M+
PRODUCTS DISPENSED



The hidden costs of traditional inventory management

See where traditional processes create unnecessary costs — and how **ASD Systems solutions help you regain control** over stock, dispensing, tracking and planning.

Traditional Model		ASD Systems Model
Ordering "just in case" Excess stock ties up capital	01 PROCUREMENT	**Ordering based on actual usage** Only what is needed is ordered
Excess stock takes up space Less room for other products and higher storage costs	02 STORAGE	**The right stock at the point of use** Products are stored close to users in the quantities required
Queues and time spent searching Lost employee time and production downtime	03 DISPENSING	**24/7 access with no queues** Fast, self-service collection at any time
Manual records, no withdrawal limits or reliable usage data Risk of errors, outdated information and no control over consumption	04 TRACKING	**Automated records, user identification and withdrawal limits** Always up-to-date, accessible data and full control over withdrawals
Action only after stock runs out Stockouts cause downtime and unplanned purchases	05 PLANNING	**Real-time alerts and reports** Better decisions, effective planning and operational continuity

The machine dispenses products — IDS controls every withdrawal.

Combine physical access to products with digital control of the entire process. Every withdrawal is managed by **the Integrated Distribution System (IDS)**, recorded and turned into data that supports decisions across warehouse management, HSE and procurement.



EVERY WITHDRAWAL BECOMES DATA



01

USER IDENTIFICATION

The employee signs in at the machine using an RFID card or QR code

02

PRODUCT COLLECTION

The employee selects a product on the screen, confirms the transaction and collects the product from the compartment

03

TRANSACTION RECORDED IN IDS

Details of the product withdrawal are sent to IDS

04

DATA UPDATE

IDS updates stock levels and product consumption data

05

DATA-DRIVEN DECISIONS

Warehouse, HSE and procurement teams act on up-to-date data

ASD Systems solutions form an integrated system for controlling product distribution across the business

VENDING MACHINE
Product dispensing and continuous access

+

IDS
Up-to-date data and control

+

ASD SYSTEMS TEAM
Support throughout the partnership

From analysis to commissioning

Every ASD Systems implementation begins with an analysis of the customer's process. We determine which products will be dispensed, who will use them, where the machines should be located, which limits and permissions need to be configured and which reports IDS should generate.

1

ANALYSIS AND DESIGN

We select the vending machine model, configure the dispensing space, define the user identification method and set the IDS parameters.

2

PRODUCTION AND CONFIGURATION

We manufacture and configure the machine for the specific process, product range, users, organisational structure, limits and technical requirements.

3

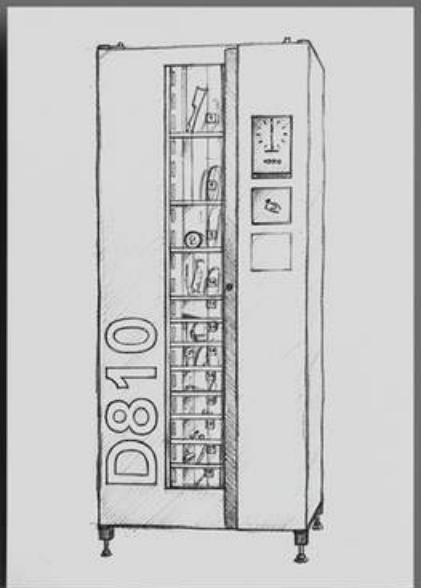
INSTALLATION AND COMMISSIONING

We deliver the machine, connect it to the power supply and network, commission the system, and train users and administrators.

FROM ORDER TO INSTALLATION IN AS LITTLE AS 30 DAYS

Technology we know inside out

At our headquarters in Bielsko-Biała (Poland), we design and manufacture vending machines and develop IDS with our in-house team. This means we understand every part of the solution — from machine mechanics to the final line of code.





DRUM vending machines

See the D810neo in action ▸

A BESTSELLER FOR PPE DISTRIBUTION

Designed to handle large volumes of frequently used products, including tools, components, consumables, PPE and small equipment. Flexible drum configurations accommodate a wide range of product sizes, shapes and packaging formats. 24/7 access and fast collection keep operations running smoothly.

Small, everyday items such as gloves and masks

Ideal for large workforces, including shift workers

Space-saving compact footprint

Flexible configuration tailored to your needs

D1080neo

With up to 1080 cells, the D1080neo is the largest drum vending machine in our range. It is most commonly used for storing PPE.

Dimensions: 1950 × 1095 × 1095 mm
Weight: 750 kg
Display: 15.6″
Operating temperature: 5–40 °C
Power consumption: 15 W (standby) / 100 W (dispensing)
Power supply: 230 V / 1 A
UPS: built-in
Maximum load: 700 kg

D810neo

The D810neo is a compact drum vending machine with up to 810 cells. It is our bestseller—versatile, reliable and designed for demanding industrial environments.

Dimensions: 1950 × 795 × 795 mm
Weight: 400 kg
Display: 15.6″
Operating temperature: 5–40 °C
Power consumption: 15 W (standby) / 100 W (dispensing)
Power supply: 230 V / 1 A
UPS: built-in
Maximum load: 500 kg



Also available in OEM and “T” versions.

D540neo

A drum vending machine with up to 540 cells, equipped with additional storage space beneath the drum for reserve stock. This keeps products required for replenishment close at hand. Ideal for companies with lower inventory requirements and sites where space efficiency and smooth logistics are essential.

Dimensions: 1950 × 795 × 795 mm
Weight: 400 kg
Display: 15.6″
Operating temperature: 5–40 °C
Power consumption: 15 W (standby) / 100 W (dispensing)
Power supply: 230 V / 1 A
UPS: built-in
Maximum load: 350 kg



Case study

PPE always within reach

At a large manufacturing plant, employees frequently ran out of protective gloves. The storerooms were located far from the production area, so every trip to collect supplies cost valuable time. Sometimes the correct size was unavailable, causing frustration and delays.

We installed drum vending machines for dispensing PPE wherever demand was highest. Employees could collect gloves or safety glasses in seconds, while individual limits prevented excessive consumption.

THE RESULT?
No more downtime or shortages — and PPE costs fell by almost 40%.

COMMON PRODUCTION *PROBLEMS* AND HOW DRUM VENDING MACHINES SOLVE THEM

Finding the right products takes my employees too long.	**24/7 access. Employees collect the products they need in seconds.**
Employees take more than they need, driving up costs.	**Set withdrawal limits by employee or role.**
We do not have space for additional PPE.	**The D540neo provides additional storage space for reserve stock.**
Gloves, masks or safety glasses run out at the worst possible time.	**Automatic real-time stock monitoring helps prevent shortages.**
Installing new equipment usually requires building work.	**Our machines fit through standard doorways and can be operational the same day.**

Vending LOCKERS

Discover the L40 vending locker ▶

A BESTSELLER FOR TOOL MANAGEMENT

Our vending lockers are designed to store larger, higher-value items, including tools, equipment, electronics and bulky PPE. Each product is assigned its own compartment, ensuring full control, secure storage and easy returns.

Larger items: power drills, electronics and more

Transparent acrylic doors provide a clear view of the contents

Optional charging sockets for tools and equipment

Multiple compartment sizes, configurable to your needs

L40 Vending Locker

The L40 vending locker stores up to 40 different products, particularly large or bulky items.

It is commonly used for power tools and can be equipped with sockets for charging batteries.

Dimensions: 1950 × 1020 / 1280 (with panel) × 600 mm
Weight: 200 kg
Operating temperature: 5–40 °C
Power consumption: 15 W
Power supply: 230 V / 1 A
UPS: built-in
Shelf load capacity: up to 25 kg



L20 Weighing Locker

The L20 is a modular dispensing locker designed to provide controlled access to stored items and precise withdrawal tracking. Its internal configuration of compartments and weighing trays can be adapted to different products. A single locker can accommodate up to 18 weighing units, each with a rated capacity of 5, 10 or 30 kg. The L20 operates with a drum-type master unit, and up to four L20 lockers equipped with weighing units can be connected in a single system.



Dimensions: 1936 × 548 × 469 mm
Weight: 150 kg
Operating temperature: 5–40 °C
Shelf load capacity: up to 25 kg
Number of weighing units: up to 18 per locker (6 modules with 3 weighing units each)
Power consumption: 2.7 W (standby) / additional 11 W during dispensing
Power supply: via the master unit

Case study

No more lost tools

At one of our customers' plants, tool management was chaotic. Expensive drills disappeared, wrenches were damaged with no record of who was responsible, and workers wasted time searching for the tools they needed. Replacements kept eating into the budget, and downtime piled up.
We introduced vending lockers with built-in power sockets. Every tool is now checked in and out automatically. Workers get access only to what they need, and every return is tracked. Tools are always charged and ready for the next shift.

The investment paid for itself in less than a year.

COMMON PRODUCTION *PROBLEMS* AND HOW LOCKERS SOLVE THEM

Tools go missing, and we do not know who has what.	**Use IDS to check who took each tool, when it was taken and whether it has been returned.**
Power tool batteries are flat, preventing employees from starting their shifts.	**Power tools can be charged directly inside the machine, and service labels can be assigned.**
Damaged tools are returned without being reported.	**Returns are monitored, and managers receive instant alerts.**
No storekeeper is available at night or at weekends.	**Fully automated 24/7 operation with no staff required.**
I need to control who can access specific tools.	**Set access permissions by user, role, department or project.**

C240 Collector Machine

With the C240, materials remain in circulation instead of ending up as waste.

Its 240-litre capacity allows it to collect used gloves, tools and workwear to be laundered, repaired or recycled.

The automatic flap makes returns quick and easy, while the built-in video system records every item for full control. With the smart “return-to-receive” function, a new product is dispensed only after the previous one has been returned. This means greater control, measurable savings and less waste.

Up to 14 C240 units can be connected to one master unit. The solution turns everyday returns into a sustainable, easy-to-manage process.

Dimensions: 1890 × 700 × 700 mm
Weight: 200 kg
Capacity: 240 L
Operating temperature: 5–40 °C
Power supply: 230 V / 1 A
Operating humidity: up to 70%

See the C240 in action ▶



T15neo Terminal

The T15neo warehouse terminal provides fast, intuitive management of items that are too large for standard vending machines.

It records product withdrawals, returns and stock movements, improving asset control and keeping warehouse processes organised.

It also supports virtual storage locations and integrates with existing warehouse management systems (WMS).

Dimensions: 1890 × 340 × 85 mm
Weight: 50 kg
Display: 15.6″
Operating temperature: 5–40 °C
Power consumption: 15 W
Power supply: 230 V / 1 A
UPS: built-in

Explore the T15neo terminal ▶

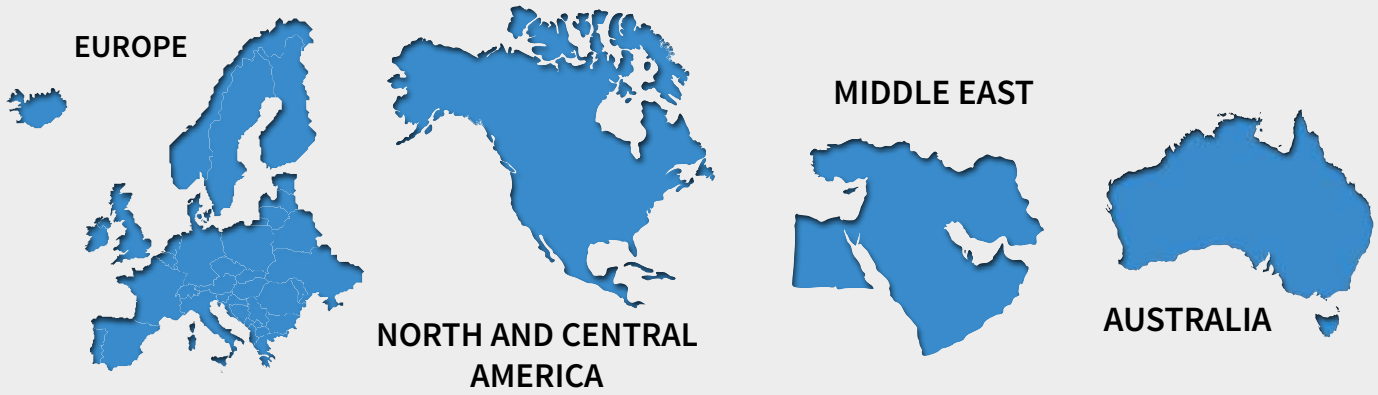


System commissioning — the start of a long-term partnership

We support customers in the day-to-day use of their vending machines and IDS, respond quickly to questions, and help adapt the solution as their processes and business needs evolve.



Our solutions are used every day in more than 30 countries



Let’s find the right solution for your business

Contact the regional sales director responsible for your market.



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