ASD Systems®

F80

D1080

D810

MULTIFUNCTIONAL VENDING MACHINES
IDS DEDICATED APPLICATION

FOR SAVINGS OF UP TO 50%

ABOUT THE COMPANY

ASD Systems has been in business since 2014 and is constantly striving to improve its products to become a leader in the vending machine market. From the very beginning, the company's mission has been to optimize companies' inventory management with proprietary, fully automated, and modern technological solutions.

The company's mission inspires us to achieve new goals every day:

- We improve current products to make them even more reliable
  and irreplaceable;
- We create new and technologically modern solutions and develop our product range in this way;
- Our objective is to establish authorized service points throughout Europe so that customers of all
  European nationalities can count on rapid assistance;
- We are also working on expanding our sales network.

AUTOMATED WAREHOUSES

From the moment the company was founded, the following four years saw the creation of different types of auto-matic machines that you will find in our offer today. Successively, that is: the D540 (which was later replaced by the D810), the D1080 in 2016, the L40 cabinet machine in 2017, then the aforementioned D810 in 2018, and the spiral F80 at the end of 2019. Our last product is the T10 storage terminal.

In 2017, the company started selling vending machines outside Poland to countries such as Germany, Austria, the Czech Republic, Slovakia, Hungary, Latvia, the Netherlands, Denmark, Belgium, Slovenia, England, and Romania.

As of 2019, intensive development work on the distribution of MRO-type products was underway, resulting in the introduction of a new PRO-type version of the software.

By 2021, ASD Systems has produced nearly 2000 vending machines and employs over 50 people!

WHY IS IT WORTH WORKING WITH US COOPERA?

The combination of automatic dispenser with the integrated distribution system (IDS application) allows for more effective warehouse management, as well as the processes occurring in the company.

» **24/7 access** - releasing of products regardless of warehouse working hours

» **Warehouse under control** - reduce inventory and accurately monitor product flows

» **Reduce product consumption by up to 50%** - thanks to full control of pickups and the ability to set limits separately for each employee

» **Instant report generation** - useful for purchasing, health and safety, controlling, and accounting departments

» **Simplifying the organization of supplies** - constant access to the current state of stock

» **Saving time** - minimizing activities related to the handling of product releasing

» **No confusion** - possibility to specify groups of products to pick up for each user profile

» **Conscious pickup** - a user who has selected the wrong product has the option to cancel the product pickup and the transaction will not be recorded

» **Dedicated IDS application** - integrated vending machine management system to which every authorized user has access from any place and any device with Internet access

» **Flexible configuration** - it is possible to adjust capacity to current operating needs each time

» **Authorized service** - in case of failure, service is provided within max. 12 hours from the time the need for repair is identified (in selected European countries)

» KEY FEATURES OF AUTOMATED WAREHOUSES

CUSTOMISABLE PRODUCT TAKING LIMITS

Depending on the workstation or individual needs, we can set limits on product taking for each employee who has access to the machine.

KEEPING DISTRIBUTION RECORDS

Thanks to the connection between the vending machine and the server, the system administrator has constant access to data on distributed products and to information on the quantity of individual products in the machines. This data is updated in real time. The administration panel makes it possible to generate and view reports with data filtered according to a desired criterion, such as an employee or department within the company. The system offers a data export process to a spreadsheet or to files supported by accounting software.

WORKS WITH MANY TYPES OF CARDS

The user identification interface is equipped with a reader supporting most standard proximity cards. The system enables the integration of the machine with non-standard solutions.

MULTIPLE NETWORK INTERFACES

Depending on the network infrastructure of the facility, the machine can be connected to the server via Ethernet, Wi-Fi, or GSM.

EXPANDABILITY

The automat with screen and touch panel can be expanded with auxiliary units without a user panel.

DISPENSING AND RECEIVING PRODUCTS

The software has a function to return incorrectly taken products, as well as allows you to provide information about the quality of the returned product.

» WELL THOUGHT-OUT DESIGN

» **Easy to service** - a machine is made of modules which can be replaced independently

» **Intuitive operation** - thanks to large display with integrated touch buttons

» **Durable** - made of steel, the machine is resistant even to very high loads

» **Energy saving** - we care about the environment, so we can boast an average power consumption of 15W

» **Independent of the operating system** - (thanks to the use of a web browser, it does not matter what system you use on your computer, smartphone, or tablet)
- the machine works with Windows and Linux systems

» **Comfort and efficiency** - we use asymmetrical doors in the machines which provide a view of the display while accessing the inside of the machine

AUTOMATIC DISPENSER D810

» RECORD CAPACITY IN SMALL SIZES

The D810 is a self-service machine that automatically dispenses up to 810 different products. Based on the rotating drum principle, it allows storage of a very large number of products in a small space. A touch screen provides the user with intuitive and intelligent management of the machine and, thanks to the patented shelf scanning system, product loading is quick and easy. The D810 machine can be connected to a barcode reader and an auxiliary machine without a user panel.

PRODUCT COMPARTMENT ADJUSTMENT FUNCTION

The machine's impressive load capacity is achieved by adjusting the compartments' width and height in 9 configurations. The compartments can be of different sizes. The easy change of settings allows you to adjust the capacity of the machine to the current needs.

3 PRODUCT LOADING OPTIONS

1 In the first option, the loading takes place through an open-ended door. This is ideal if you need to replenish large quantities of the same type of product.

2 The second option is recommended for products of various types, loaded through a flap in the door of the vending machine.

3 The third option is an innovative scanning drum system which automatically detects where products have been loaded into the machine and significantly reduces loading times.

Available in BASIC and PRO version

TECHNICAL SPECIFICATIONS	
Height [mm]	1950
Width [mm]	795
Depth [mm]	795
CAPACITY [COMPARTMENTS/SHELVES OF ONE TYPE]	
50 × 80 mm	810
75 × 80 mm	540
50 × 170 mm	405
150 × 80 mm or 75 × 170 mm or 50 × 270 mm	270
75 × 270 mm	180
150 × 170 mm	135
150 × 270 mm	90
OTHER	
Operating temperature [°C]	5 - 40
Weight [kg]	400
Current consumption [watts]	standby: 15 / distribution: 100
Voltage [V]	230 / 1 A
Permissible load for basic drum configuration [kg]	324

DIMENSIONS IN MM	NUMBER OF COMPARTMENTS	A	B	C	D
	810	80	50	275	10
	540	80	75	275	15
	270	80	150	275	30
	405	170	50	275	10
	270	170	75	275	15
	135	170	150	275	30
	270	270	50	275	10
	180	270	75	275	15
	90	270	150	275	30

AUTOMATIC DISPENSER D1080

» MULTI-PURPOSE AUTOMATIC DISPENSER

The D1080 is a self-service machine that automatically dispenses up to 1080 different products. Based on the rotary drum principle, it allows you to store a large number of products in a small space. A touch screen provides the user with intuitive and intelligent machine management and, thanks to the patented compartment scanning system, product loading is quick and easy. For the D1080, it is possible to connect a barcode reader and an auxiliary machine without a user panel.

PRODUCT COMPARTMENT ADJUSTMENT FUNCTION

The machine's impressive load capacity is achieved by adjusting the compartments in width and height in 9 configurations. The compartments can be of different sizes. The easy change of settings allows you to adjust the capacity of the machine to the current needs.

3 PRODUCT LOADING OPTIONS

1 In the first option, the loading takes place through an open-ended door. This is ideal if you need to replenish large quantities of the same type of product.

2 The second option is recommended for products of various types, loaded through a flap in the door of the vending machine.

3 The third option is an innovative scanning drum system which automatically detects where products have been loaded into the machine and significantly reduces loading times.

Available in BASIC and PRO version

TECHNICAL SPECIFICATIONS	
Height [mm]	1950
Width [mm]	1095
Depth [mm]	1095
CAPACITY [COMPARTMENTS/SHELVES OF ONE TYPE]	
240 × 160 mm	120
160 × 160 mm	180
240 × 80 mm	240
240 × 53 mm or 160 × 80 mm or 80 × 160 mm	360
160 × 53 mm	540
80 × 80 mm	720
53 × 80 mm	1080
OTHER	
Operating temperature [°C]	5 - 40
Weight [kg]	750
Current consumption [watts]	standby: 15 / distribution: 100
Voltage [V]	230 / 1 A
Permissible load [kg]	185

DIMENSIONS IN MM	NUMBER OF COMPARTMENTS	A	B	C	D
	1080	80	53	437	7
	720	80	80	437	11
	360	80	160	437	23
	540	160	53	437	7
	360	160	80	437	11
	180	160	160	437	23
	360	240	53	437	7
	240	240	80	437	11
	120	240	160	437	23

AUTOMATIC DISPENSER L40

» MULTIFUNCTIONAL AUTOMATIC DISPENSER FOR BULKY PRODUCTS

The L40 self-service vending machine allows automatic dispensing of up to 40 different products. The simple design allows for the loading of products of large sizes. Specially prepared openings are designed for execution of the internal 230V installation, supplying the stored products. Thanks to the patented compartment scanning system, loading of products is quick and easy to do. A barcode reader can be connected to the machine. The L40S is an automatic machine with a wide range of bar code labels and other machines available in our offer. The L40S vending machine is successfully used as an auxiliary unit for the D1080 or F80 and D810.

PRODUCT COMPARTMENT ADJUSTMENT FUNCTION

Up to 40 products can be loaded into the machine at the same time thanks to the shelf adjustment feature in height, in 4 sizes.

MODELS

- **L40ME** - model adapted to internal power supply;
- **L40DE** – model with double deep cambers;
- **optional** - possibility to insert plexiglass in the door of the vending machine compartments.

Available in BASIC and PRO version

NUMBER OF SHELVES OF ONE TYPE	WITHOUT PANEL	WITH PANEL
Height [mm]	1950	2438
Width [mm]	1020	1280
Depth [mm]	600	720
NUMBER OF SHELVES OF ONE TYPE		
80 × 295 mm	40	
170 × 400 mm + 80 × 400 mm	20	
260 × 400 mm + 80 × 400 mm	12 + 4	
350 × 400 mm + 80 × 400 mm	10	
OTHER		
Operating temperature [°C]	5 - 40	
Weight [kg]	200	207
Current consumption [watts]	15	
Voltage [V]	230 / 1 A	
Permissible load [kg]	25 (per shelf)	

DIMENSIONS IN MM	A	B	C
	80	400	585
	170	400	585
	260	400	585
	350	400	585

AUTOMATIC DISPENSER F80

»» SPIRAL MACHINE FOR UNUSUAL SOLUTIONS

The F80 is a self-service machine which automatically dispenses up to 80 different types of products. Based on spring feeders, it allows you to store very large quantities of products in a small space. Intuitive management is provided via a touch screen. Product loading is quick and easy. The F80 can be connected to a barcode reader and an auxiliary machine without a user panel.

DIFFERENT TYPES OF SPRINGS ON PRODUCTS

The impressive loading capacity of the device is obtained thanks to the possibility of using different types of spring winding in as many as 36 configurations. It offers the possibility of installing up to 8 shelves, with 10 springs available for each, which can be combined in pairs for larger products. The configuration of the springs is unlimited, as single and double springs of different sizes can be installed on a single shelf at the same time. The easy change of settings allows the capacity of the machine to be adapted to the current operating requirements. In addition, the shelf is equipped with sliding blocks, inner spring slides, and various partition heights which make it possible to dispense products with different geometries and packing patterns.

Vending machine available with or without user panel

TECHNICAL SPECIFICATIONS	WITHOUT PANEL	WITH PANEL
Height [mm]	1920	2408
Width [mm]	900	1160
Depth [mm]	900	1020
CAPACITY [SPIRALS OF ONE TYPE]		
6	480	
9	720	
12	960	
15	1200	
18	1440	
24	1920	
OTHER		
Operating temperature [°C]	5 - 40	
Weight [kg]	350	357
Current consumption [watts]	standby: 12 / distribution: 25	
Voltage [V]	230 / 1 A	
Permissible load [kg] (per shelf)	25	

	TYPES OF SPRINGS	CAPACITY OF 1 SPRING	A
	left, right	6	86
	left, right	9	58
	left, right	12	44
	left, right	15	35
	left, right	18	29,5
	left, right	24	22
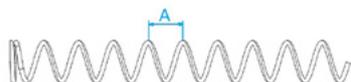
STORAGE TERMINAL

» INNOVATIVE SOLUTION
FOR VIRTUALIZING YOUR STORAGE

Warehouse Terminal is a solution created for intuitive and fast warehouse management. It allows for easy virtualization of the warehouse, i.e. an exact replica of the entire real room. The 10-inch display provides comfort of work for both the employees who take products and the warehouse workers who release them.

ADAVANTAGES

- Easy management of warehouse space
- Full control over product flow
- Access to the warehouse from any place, 24/7

KEY FEATURES

- Quick reflection of the actual storage area
- Intuitive and clear interface
- Quick login and ordering of products by an employee
- Limiting products for individual employees
- Remote management from any device with internet access
- Generation of necessary reports and printouts
- Access to product taking history for individual employees
- Control of expiry dates and product limits
- Possibility of integration with any WMS system in the company

NUMBER OF SHELVES OF ONE TYPE	WITHOUT PANEL
Height [mm]	478
Width [mm]	250
Depth [mm]	110
OTHER	
Operating temperature [°C]	5 - 40
Weight [kg]	7
Current consumption [watts]	15
Voltage [V]	230 / 1 A
Way of connecting to the Internet	LAN

IDS APPLICATION

» IDS – INTEGRATED DISTRIBUTION SYSTEM

Together with the dispensing machines, we provide our own IDS (Integrated Distribution System) software. It enables easy data management and fast communication between the server and the machines distributing the products.

The IDS application allows you to display, using a web browser on any device, detailed information about product takings and current inventory. IDS is tailored to the specific needs of companies in all industries.

The combination of the software with the automatic dispenser provides maximum control over the consumption of articles in production companies. As a result, the quality of work in the departments of purchasing, production, health and safety, and controlling in the warehouse, as well as among the employees themselves, increases.

THE IDS APPLICATION ENABLES

Management of individual products, product categories, companies and distributors, employees, RFID cards, system users, and machines

Definition, generation, and printing of any reports

Constant control of inventory levels

Automatic transfer of information to the designated persons about the status of the system

» INTEGRATION WITH EXTERNAL SYSTEMS

By integrating an IDS system, we obtain the effect of synergy. This means that the benefit of combining them is greater than the sum of the benefits of having individual systems operating separately.

Our methodology of conducting integration projects assumes that the choice of solution and technology should be made at the stage of analyzing a business problem. Each integration of IDS applications is considered in terms of individual customer needs.

Automatic Dispenser → Database + IDS application → API → ERP System → Operator/User
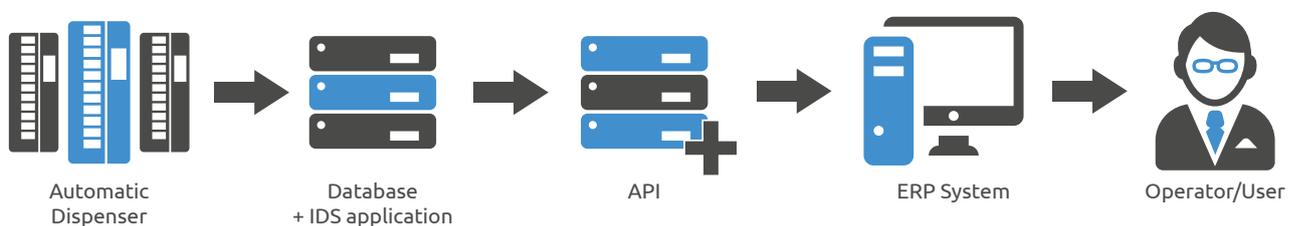
HOW DOES IT WORK?

The application runs on a server. It provides machines with current, complete operational data about products and their categories, user rights, and stock levels. This information is used to distribute goods to employees. Communication takes place via LAN, GSM, or optionally Wi-Fi. The machine, through a dedicated API, communicates with the IDS application which provides the required data, records the transmitted parameters, and ensures the integrity of the system. The connection is encrypted and each of the machines is authorized.

Operator

HTTPS

SSL

Cyclical report

generated/imported
by the application

@/FTP
/WWW

SSL
API

Automatic Dispenser

Database   IDS application

Cyclical automatic actions
or semi-automatic

SSL
ENCRYPT

SSL

ERP

Sync Server
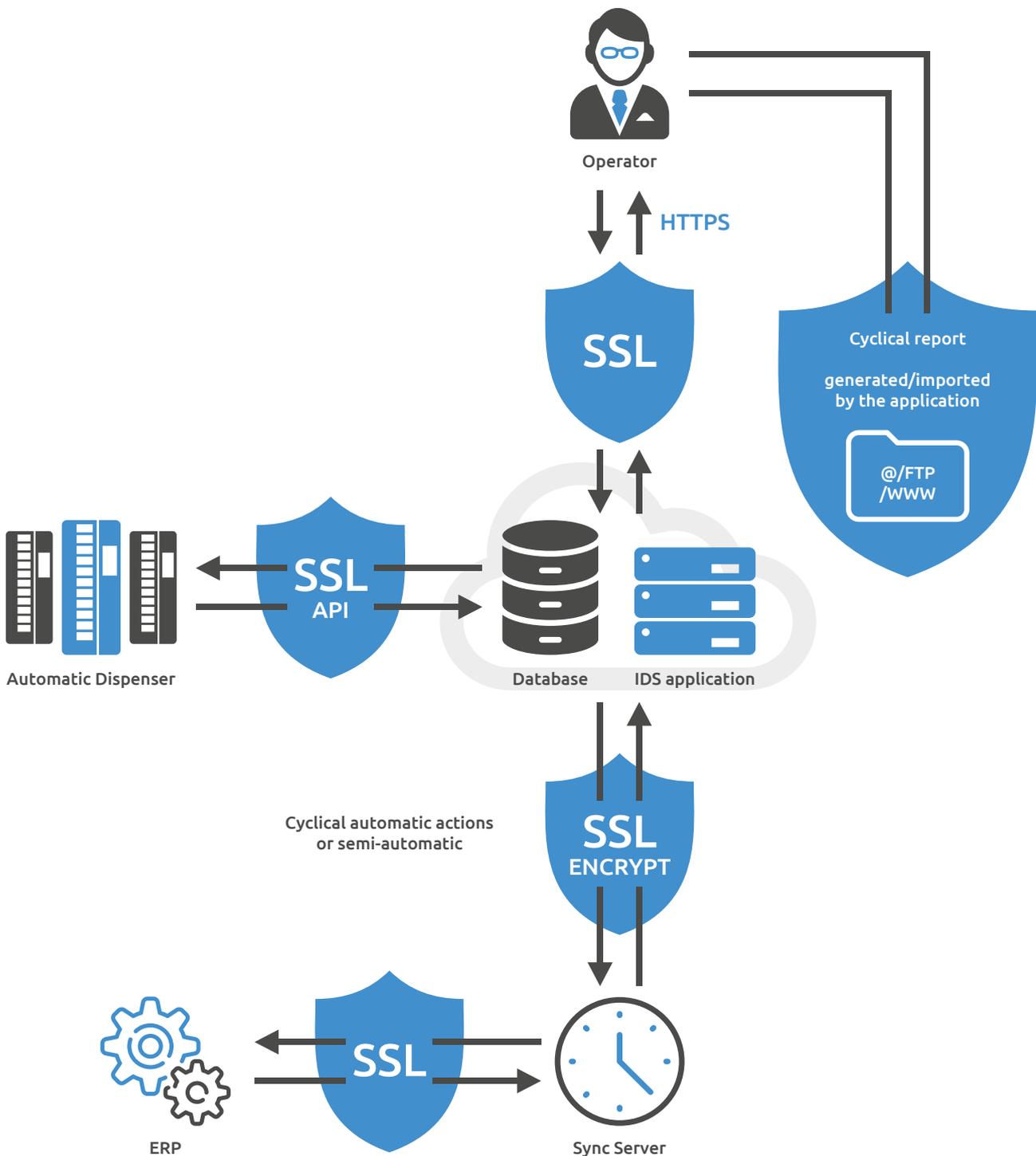
» KEY DIFFERENCES BETWEEN PRO AND BASIC

	BASIC VERSION	PRO VERSION
Loading of product groups	✅	✅
QWERTY keyboard	✅	✅
Single taking of products and multipacks of only the entire compartment contents	✅	✅
Possibility to take the contents of several compartments in one session containing the same product	✅	✅
Cost centers	✅	✅
Product card presentation	✅	✅
Over limit product taking with the authorization of another person	✅	✅
Return of a full-value product with the other person's authorization	✅	✅
Feeder management	✅	✅
Interface language according to IDS settings	✅	✅
Logging in with a card and login+pin	✅	✅
Possibility to return any taken product	✅	✅
Loading with diagram, through flaps, with scanning system (optional feature)	✅	✅
Inventory * functionality integrated into the scanning system	✅	✅
Copies of products	❌	✅
Product reloading	❌	✅
Return for another user	❌	✅
Emptying the feeder	❌	✅
Compartment labeling (dynamic/static)	❌	✅
Use by date (SLP)	❌	✅
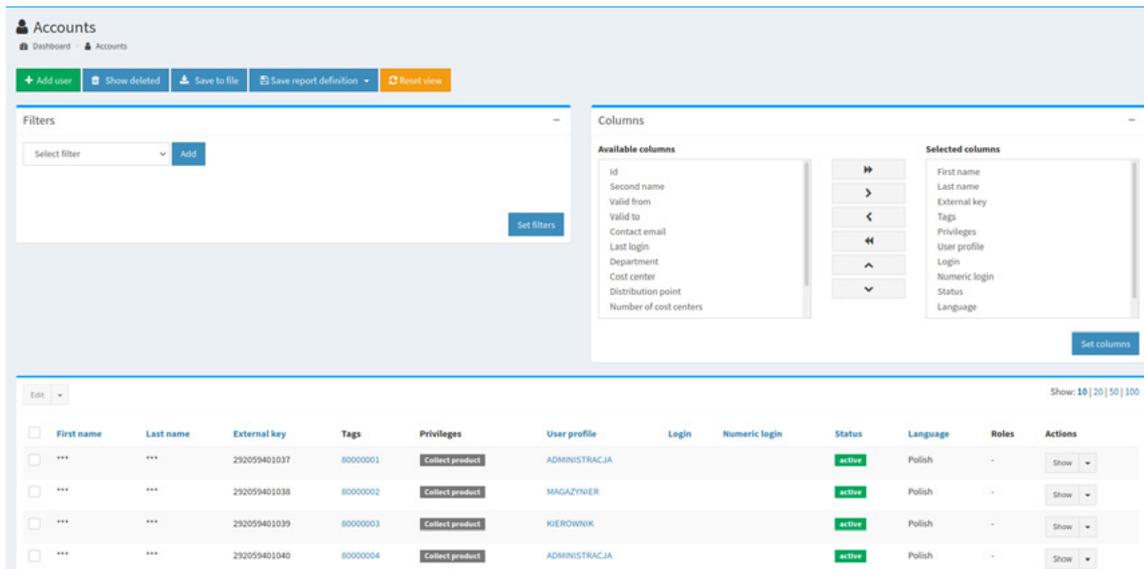
User accounts

IDS allows you to assign specific authorizations to employees. Again, each account can be assigned access to specific IDS modules, or even a specific vending machine, as well as defining authorization on the storage device for a specific user. Accesses, authorizations, and limits are fully editable - a customer can change this information at any time on their own.
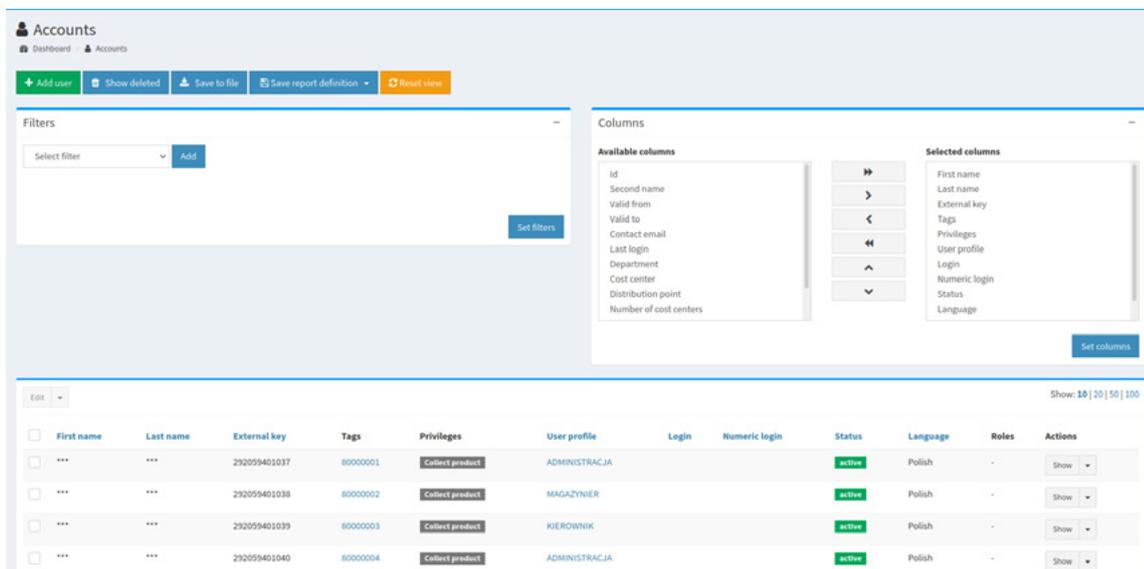
User profiles

Through user profiles, you can define product access for specific employee groups. For specific profiles, you can set specific product taking limits, their duration, and the products they cover. Just like user account information, profiles can be edited at any time and adapted to the current needs of the user.

IDS FUNCTIONS

Language setting

IDS has several language versions: Polish, German, and English. We are also working on introducing other language versions at the request of our partners and customers.
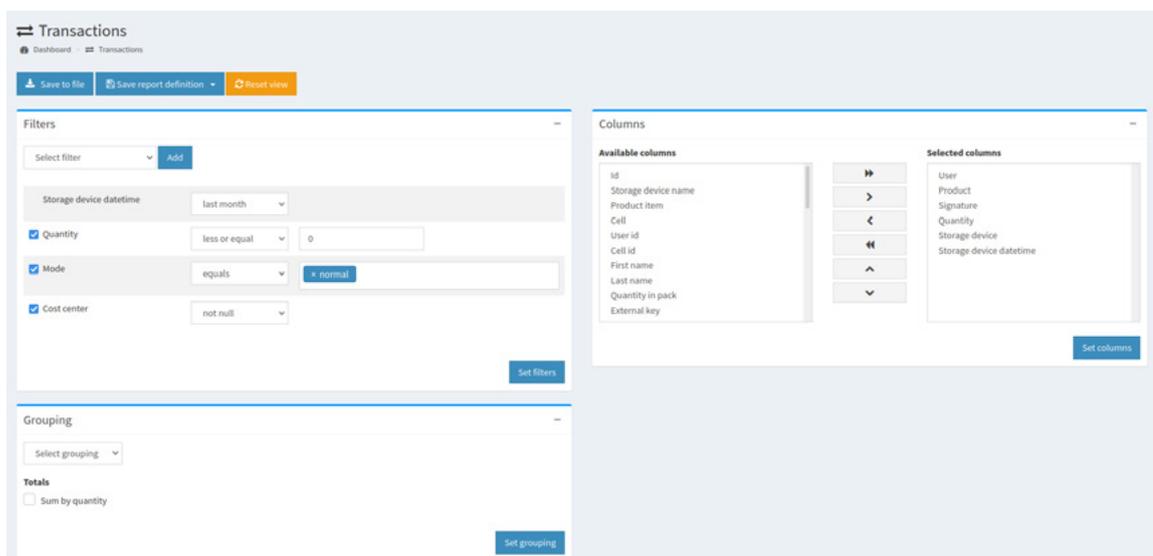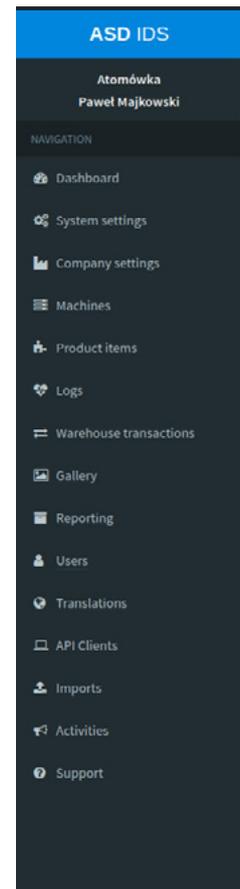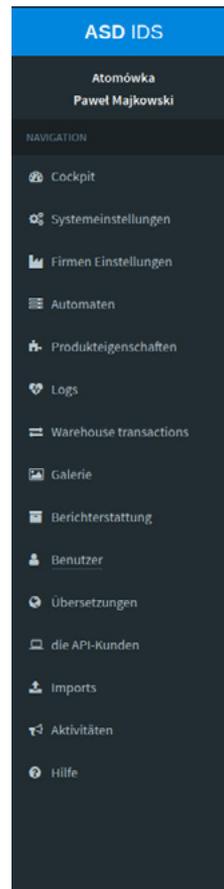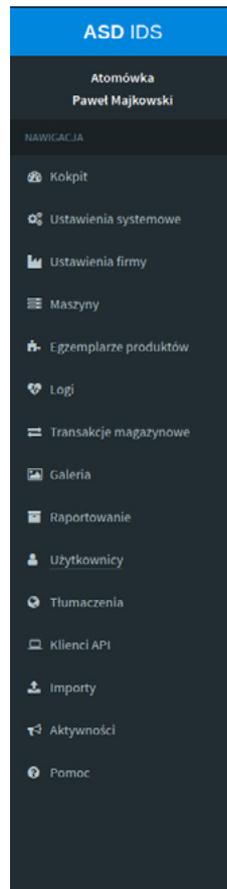
Reporting

Application users can create automatic and individual reports. IDS allows for the sending of reports to the specified e-mail address. The report contains all user-defined information - the user selects what information will be included in the report.
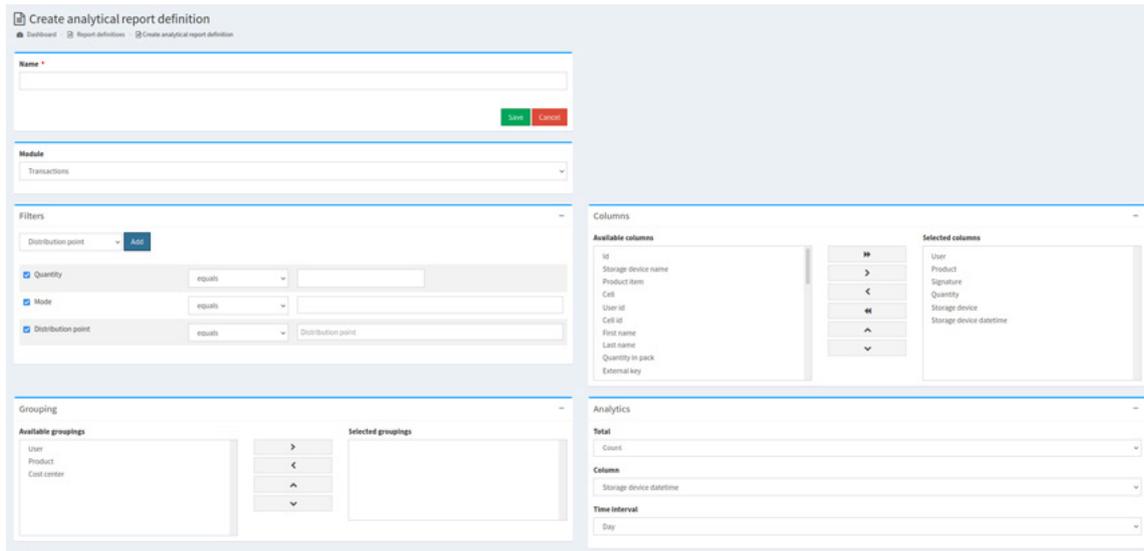
Report functionalities

Reports created by users can be grouped or various report definitions can be created. It is also possible to create mailings with the reports. Filtering is connected to this functionality, which allows you to easily find the necessary data by searching via columns.
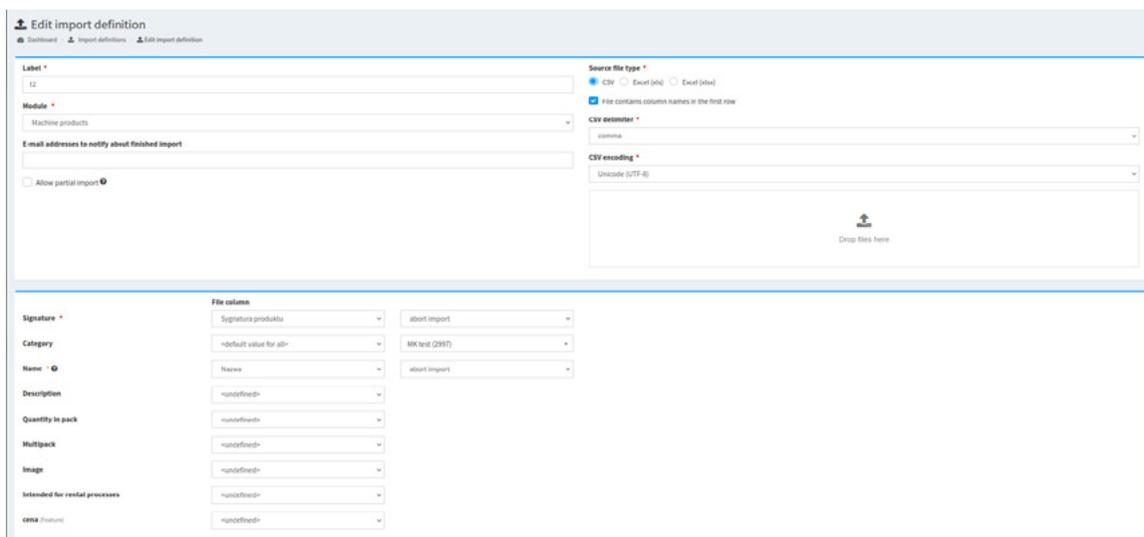
Importing data into the application

The Smart Importer automates the addition of users, products, product copies, and cost centers. It allows data to be automatically transferred to the application from a file or via FTP.

IDS FUNCTIONS

Monitoring of current status

The application always has up-to-date information about the status of the machines, which can be accessed from any device with Internet access and a browser. Information gathered in one place can be quickly and easily modified by adding and removing columns with specific features and the possibility of sorting them.


Cost centers

This functionality allows, among others, for the distribution of costs related to different ongoing projects. At the moment of product taking, a user chooses a name of the cost center to which a product taking is to be assigned - the application also gives an opportunity to create a report covering a specific center.
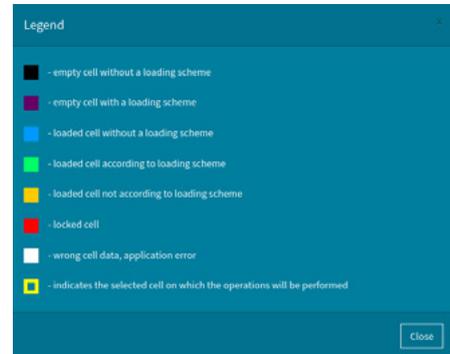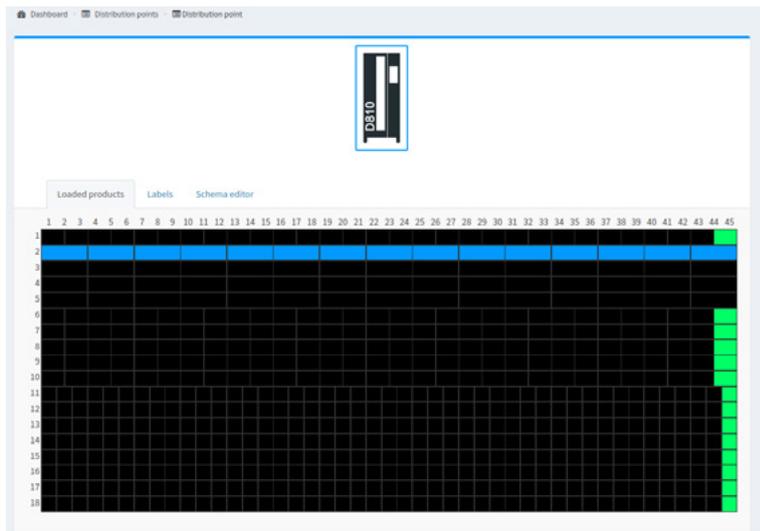
Loading diagrams

The application allows you to create an editable loading diagram which facilitates the warehouse staff's work related to the loading of vending machines. Each color in the diagram corresponds to a particular „value" of a compartment, providing relevant information to the people who load products. The transaction history for a particular vending machine is also displayed next to it.
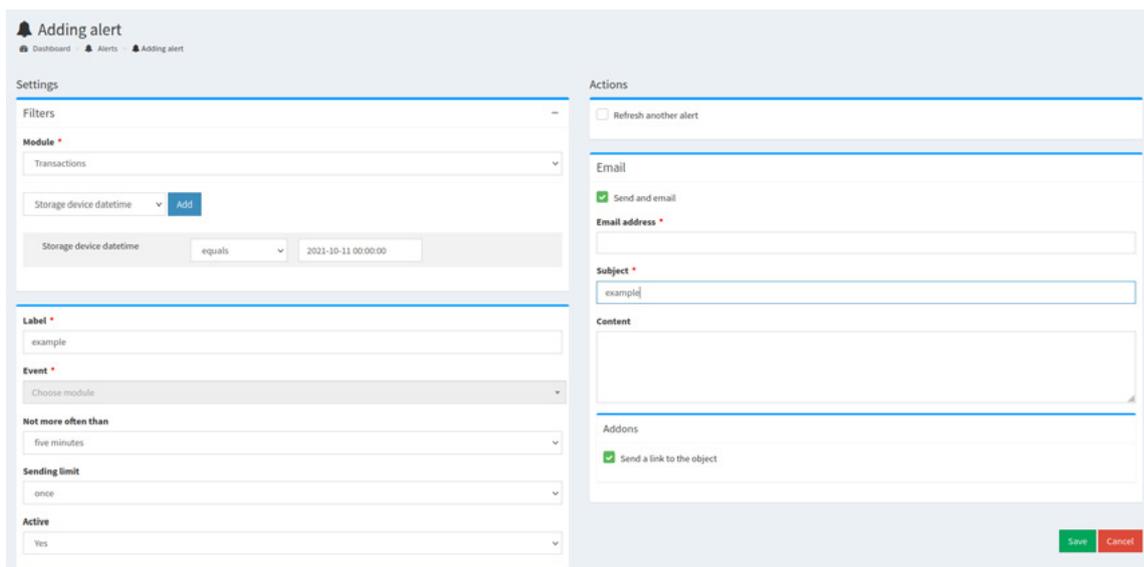
Alerts

There is the possibility of receiving notifications about events which are interesting for the user and related to the operation of the machine, such as machine connection. The user defines which events they want to be informed about – after setting an alarm, the application sends an e-mail about a selected event.

IDS FUNCTIONS
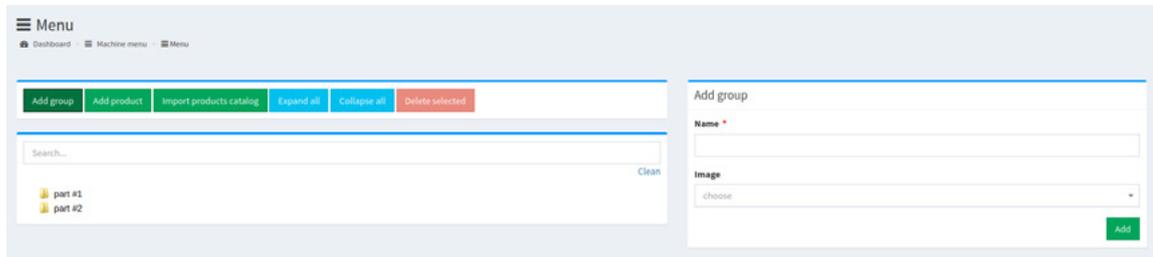
Modifiable menus

The application menu can be customized according to the customer's needs and requirements. During configuration it is possible to set up and define many groups, catalogues, or subgroups of products, to which it is also possible to add photos symbolizing products and categories. During the use of the machine and application, the above information can be freely modified, adapting it to the customer's needs.

Labelling*

The PRO version allows you to assign specific and individual statuses to products. When returning a particular product, a user can define the status of the product - e.g. new/used/damaged. This makes it easier for storekeepers to get an overview of the products in the vending machine.

Expiry date*

The PRO version offers the possibility to give a specific product a specific expiry date.

* Available in PRO version

» SUPPORT, APPLICATION REQUIREMENTS

The IDS application is delivered with full support and maintenance services. Our IT department adapts the application to various IT systems currently implemented in enterprises.

IDS does not require the installation of any additional software at the customer's site. To use it, you only need:

» **any device with access to the Internet**
» **web browser**

Customers who want to be 100% sure of their data security also have the option to subscribe to or purchase IDS applications in three versions:

1. **Monthly subscription to dedicated IDS application with own domain**

2. **Monthly subscription for server and maintenance of IDS application service**

3. **Purchase of IDS licenses for installation on a dedicated server**

- Technical and functional details of the vending machines are subject to change without prior notice due to continuous product development.
If you have any questions, please contact our Technical Department.

IMPLEMENTATION SCHEME

1. ORDERING AN AUTOMATIC DISPENSER FROM ASD SYSTEMS

An employee of the Sales Department receives a letter from a partner (operator) for the customer.

2. ASSIGNMENT OF A TECHNICAL ACCOUNT MANAGER

After receiving an order, Customer Service assigns a Customer Assistant who will be available to the customer/partner (operator) until the end of the implementation process and throughout the entire process of using the machine.

3. TRANSMISSION OF DATA BY PARTNER

On the Assistant's request, a partner (operator) sends the data from a customer, necessary for the synchronization, configuration, production, and putting into operation of automatic dispensers.

4. PRODUCTION OF AN AUTOMATIC DESPENSER

During the production of a vending machine, a Customer Assistant processes the previously collected data in order to import this data, i.e. the list of employees or list of products. to the system and establish card coding system.

5. DISPATCH OF AN AUTOMATIC DESPENSER

A Customer Assistant establishes the preferred date of delivery of the machine with the customer. It is sent to the customer to the agreed address.

6. INSTALLATION AND PUTTING INTO OPERATION OF AN AUTOMATIC DESPENSER

On the agreed date, the ASD Systems service technician installs the machine at the customer's premises, sets it up, and trains the customer on how to load and take products.

7. IDS TRAINING

The target customer is remotely trained to use the IDS application.

POST IMPLEMENTATION SUPPORT

After the entire implementation process, each end customer is entitled to 10 hours of free support with Customer Service or Helpdesk as part of the post-implementation assistance/support.

The average turnaround time is 21 days from receipt of all necessary data needed for installation.

VENDING MACHINE CAN BE OFFERED TOGETHER WITH

Dedicated lock with one universal key 100091

The pin lock of the renowned Baton company ensures the opening of multiple machines with a single key, effectively protecting against opening with a universal key. The lock is made of high quality steel.
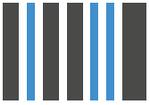
Barcode reader 900029

The barcode reader allows even the most damaged codes to be identified thanks to the reading improvement software. It is a high quality, multi-line (18 scanned lines) laser scanner designed to work in a vertical position. It is designed for built-in use. It is ideal for identifying products being loaded and those taken from vending machines.

Protective pipes 100001

The protective tubes form a barrier to protect the sides of the vending machines from being hit by trolleys and other vehicles in the warehouse halls. The robust steel construction provides effective protection. The tubes are fixed to the sides of vending machines with the use of screws in the technological pre-drilled holes. The construction is powder-coated in bright colors or otherwise according to individual needs.

Boxes 100242, 100243, 100244

Boxes for small products for vending machines D1080 and D810 are available in three widths. Ideal for small products such as screws, nuts, etc. The boxes prevent them falling out when the drum is rotating and make them easier to remove from the machine.

Rubber pad to protect products from scratching for vending machines D1080 and D810 100005, 100006

The pad is flexible and therefore protects the product from damage during product taking and especially during tool return and loading. The soft padding allows you to place products in the machine without fear of scratching them and, thanks to the cut-outs in the sponge, the pad adheres perfectly to the surface.

230V internal installation 900035

Internal installation available for the L40ME vending machine. Thanks to the special construction of the rear of the vending machine, we have the possibility to install boxes with 3 modules depending on the needs.

Drum Scanning System 900028

The drum scanning feature can reduce loading times by up to 50%. It is available for the D540 and D810. It is possible to install the system in an existing machine.

Router and GSM modem 900029

Wherever a wired LAN network cannot be easily installed, the machine can be connected to the local network via Wi-Fi.

Warranty extension 900019, 900020

An extensive warranty extension offer allows for the extension of the protection for up to 6 years (for the parts only). The all-inclusive protection variant covers the repair of vending machines by authorized service technicians with a guaranteed response time of up to 24 hours.

VENDING MACHINE CAN BE OFFERED TOGETHER WITH
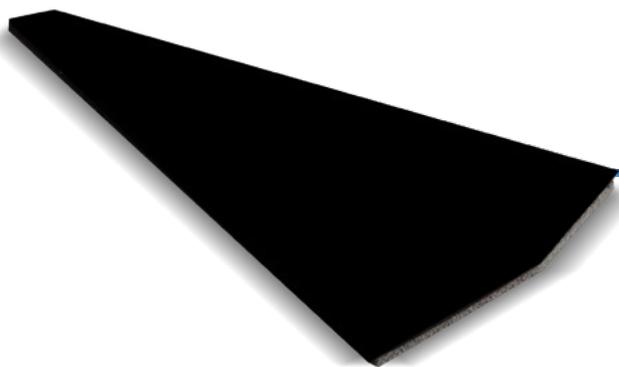
RUBBER PAD

Protects products from scratching. The backing is flexible, which protects the product from damage during product taking and especially during return and loading.

I - 100005
II - 100006

BOX

Ideal for small products such as screws, nuts, etc. The boxes prevent them falling out during the rotation and facilitate their removal from the machine.

I - Height 58 mm Width 44.3 mm Length 150 mm
Order number 100242

II - Height 58 mm Width 69.5 mm Length 150 mm
Order number 100243

III - Height 58 mm Width 141 mm Length 150 mm
Order number 100244

PROTECTION TUBES

The handrails effectively keep specialized vehicles at an adequate distance from the machine, thus protecting it from mechanical dents and scratches. It can be ordered in any color chosen by a customer.
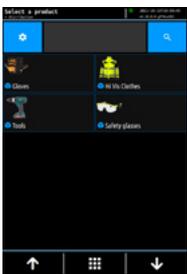
Catalogue number 100244

PRODUCTS TAKING

1

Employees can quickly access products from a vending machine using their proximity card. They place the card at a specially marked location on the reader.

2

After the card is presented by the employee, the product catalogue is displayed. Products can be categorized to provide the employee with the most intuitive and fastest way to find a product.

*vending machine D540 is replaced by machine D810

3

When entering an appropriate category, the products are displayed. They have thumbnail pictures to help employees recognize them. The configuration allows employees to display only those products to which the employee has access.

4

The employee chooses a cost center to which they want to take a product. This is an additional function that allows one to account pickups for projects, cost centers, or company departments. In case of a large number of projects, an employee can search for a project by name.

5

After selecting an appropriate product and approving the cost center, the machine indicates the localization in which the product is located.

**ASD SYSTEMS POLSKA Spółka z ograniczoną
odpowiedzialnością Spółka komandytowa**
ul. Sobieskiego 105
43-300 Bielsko-Biała

www.asdsystems.eu »

Technical Support - Helpdesk
+48 33 444 0000
helpdesk@asdsystems.pl

Commercial details
+48 33 444 00 01
kontakt@asdsystems.pl