

PROTECTIVE GLOVES



 **W24h**

CUT-ESD-PU



Cut-resistant protective gloves, knitted seamless in red, black and white, made of HPPE + CARBON ESD special cut-resistant knitwear, coated in the palm part with black polyurethane, finished with a colored welt.

For general and assembly works, in the metal industry, for precision and assembly works, and electric, wherever protection against cuts is needed.

They show high resistance to abrasion and tear. They fit well in the hand. They ensure dexterity and a firm grip of the tools being held, the PU coating reduces the ingress of dirt.

PROTECTION PARAMETERS IN ACCORDANCE WITH EN 388:

- Abrasion resistance - 4,
- Cut resistance - X,
- Tear resistance - 4,
- Puncture resistance - 3,
- Cut protection (according to EN 388: 2016) - C trims and puller colors reflects the size of the glove CE certificate cat 2 EN 388 (4.X.4.3.), EN 420
- Packaging 12/120 pairs
- Available in size: 7,8,9,10,11.

ESD-TIP



Protective gloves, knitted, seamless, made of 13-thread polyester knitted fabric with carbon fiber, coated with polyurethane (PU) on the fingertips in white, finished with an elastic colored cuff indicating the size. Ideal for the electronics industry where protection against static electricity is required (ESD 6.6-1070).

PROTECTIVE PARAMETERS IN ACCORDANCE WITH EN 388:

- Abrasion resistance - 1
- Cut resistance - 1
- Tear resistance - 3
- Puncture resistance - 1
- Cut protection - X

Gloves have standards: EN 388 (1.1.3.1.X), EN420, EN1149-1: 2006 and CE

WHITE PU



Protective gloves, knitted, seamless in white, made of 13 gauge polyester knitwear, coated with white polyurethane (PU), finished with an elastic colored cuff indicating the size.

Durable, flexible, abrasion and tear resistant.

They fit well in the palm of your hand. They ensure dexterity and a firm grip of the tools being held, the PU coating reduces the ingress of dirt.

PROTECTION PARAMETERS ACCORDING TO EN 388:

- Abrasion resistance - 4,
- Cut resistance - 1,
- Tear resistance - 3,
- Puncture resistance - 1,
- Cut protection (according to EN 388: 2016) - X
- Colored cuff indicating the size of the glove CE certificate cat 2 EN 388 (4.1.3.1), EN 420
- Packaging 12/240 pairs

BLACK PU



Protective gloves, knitted, seamless in black, made of 13 gauge polyester knitwear, coated with white polyurethane (PU), finished with an elastic colored cuff indicating the size.

Durable, flexible, abrasion and tear resistant.

They fit well in the palm of your hand. They ensure dexterity and a firm grip of the tools being held, the PU coating reduces the ingress of dirt.

PROTECTION PARAMETERS ACCORDING TO EN 388:

- Abrasion resistance - 4,
- Cut resistance - 1,
- Tear resistance - 3,
- Puncture resistance - 1,
- Cut protection (according to EN 388: 2016) - X
- Colored cuff indicating the size of the glove CE certificate cat 2 EN 388 (4.1.3.1), EN 420
- Packaging 12/240 pairs

TECHNIK-1



- Protective gloves made of cotton, comfortable fabric reinforced with solid grain leather.
- 100% cotton is very skin-friendly, absorbs sweat and provides breathability.
- Practical and comfortable welt at the wrist of the gloves hold well on your hand and also protect against foreign objects getting inside.
- They are recommended for fitters, technicians and mechanics.
- Available sizes: 8-10
- Collective packaging: cardboard box 120 pairs

WELD-1



Welding glove made of red, strong and thick split. Fully cotton lining, opaque twins and Kevlar threads. Gloves protect against hot metal splashes. The extended cuff, which together with the glove is 38cm, protects not only the hand, but part of the forearm.

PROTECTIVE PARAMETERS IN ACCORDANCE WITH EN 388:

- Abrasion resistance - 4,
- Cut resistance - 2,
- Tear resistance - 1,
- Puncture resistance - 2,
- Cut protection - X

Gloves have standards: EN 388 (4.2.1.2.X) , EN 407 (4.4.4.X.4.X), EN 12477 cat. II, CE

TIG-1



Long welding gloves entirely made of grain leather. The gloves are made of goat grain leather. Cuff made of split cowhide. Stitched at the joints of the skin with Kevlar threads. The grip part is made of high quality goatskin, thanks to which the gloves are durable and resistant to abrasion. The cuff reaching up to the middle of the forearm protects the wrist. They ensure perfect feeling of the object being held. The total length of the glove is 35cm.

PROTECTIVE PARAMETERS IN ACCORDANCE WITH EN 388:

- Abrasion resistance - 2,
- Cut resistance - 1,
- Tear resistance - 1,
- Puncture resistance - 1,
- Cut protection - X

Gloves have standards: EN 388 (2.1.1.1.X) , EN 407 (1.2.2.X.2.X), EN 12477 cat. II, CE

Protective glove made entirely of full-grain goat leather. Additional blades protect the seams in places most exposed to tearing. The glove has a tightening rubber in the part of the wrist and is fully sewn with KEVLAR thread.

- full-palm gripping part
- rubber removing the top of the palm
- soft goat skin
- high comfort of use

Perfect for assembly work that requires precision.

COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS: EN 388: 2016, EN 420: 2003 A1: 2009, CE CAT. II

LEVELS OF PROTECTION (SCALE 1-5):

- Abrasion resistance - 2,
- Cut resistance - 1,
- Tear resistance - 2,
- Puncture resistance - 2,
- Cut resistance according to EN ISO 13997 - X
- Available sizes: 8, 10
- Collective package: cardboard box 120 pairs

DRIVER-1



TECH-1



Protective gloves made of elastic cotton knitwear reinforced with soft goat skin on the grip side.

- full-palm
- Velcro at the wrist
- high comfort of use

Perfect for assembly work requiring precision.

COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS: EN 388: 2016, EN 420: 2003 AT: 2009, CE CAT. II

LEVELS OF PROTECTION (SCALE 1-5):

- Abrasion resistance - 2,
- Cut resistance - 1,
- Tear resistance - 2,
- Puncture resistance - 2,
- X - cut resistance according to EN ISO 13997
- Preferred use: construction, transport
- Available sizes: 7-11
- Collective packaging: cardboard box 120 pairs

TECH-2



Protective gloves made of soft goatskin.

- The palm of the hand is made of goatskin, full-palm
- the jersey top increases the comfort and durability of the glove
- They provide high comfort and good dexterity.

Recommended for assembly work.

COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS: EN 388: 2016, EN 420: 2003 AT: 2009, CE KAT. II

LEVELS OF PROTECTION (SCALE 1-5):

- Abrasion resistance - 2
- Cut resistance - 1
- Tear resistance - 2
- Puncture resistance - 1
- Cut resistance according to EN ISO 13997 - X
- Available sizes: 7-11
- Collective packaging: cardboard box 120 pairs

TECH-3

Made of soft goatskin, Velcro closure. They ensure high comfort of work and good dexterity.

- Good durability, thanks to the gripping part made from one piece of leather.
- The inside of the hand is made of goatskin, which ensures very good dexterity.
- The ridge made of flexible fabric guarantees a good fit and comfort of work.

COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS: EN 388: 2016, EN 420: 2003 AT: 2009, CE KAT. II

LEVELS OF PROTECTION (SCALE 1-5):

- Abrasion resistance - 2,
- Cut resistance - 1,
- Tear resistance - 2,
- Puncture resistance - 2,
- Cut resistance according to EN ISO 13997 - x
- Available sizes: 7-11
- Collective package: cardboard box 120 pairs



» AUTOMATED WAREHOUSES – KEY FUNCTIONS



- ABILITY TO PERSONALIZE THE DISTRIBUTION LIMITS**
Depending on the job position or the individual needs of each employee with access to the device.
- DISTRIBUTION RECORDS**
By linking the machine with the server, the system administrator obtains constant access to data on the distributed products and information on the amount of particular products in machines, updated in real time. The administration panel allows to generate and view reports with the data filtered by the desired criterion, for example, the employee or department in the company. The system offers the ability to export data into a spreadsheet or to files supported by accounting programs.
- SUPPORT FOR VARIOUS TYPES OF CARDS**
The user identifying interface is equipped with a reader that supports most standard proximity cards. The system provides integration of the device with non-standard solutions.
- MULTIPLE NETWORK INTERFACES**
Depending on the object's network infrastructure, you can connect the device to the server by using the Ethernet interface, Wi-Fi or GSM modem.
- FURTHER EXTENSION**
A machine with a screen and touch panel can be extended with other ancillary units, which are not equipped with a computer.
- DELIVERING AND RECEIVING OF PRODUCTS**
The software provides a wrong product return function and enables a user to leave information about the quality of the returned product.

» SMART CONSTRUCTION

- » **serviceability** - the machine is made of modules that can be independently replaced;
- » **intuitive use** - thanks to a large display with integrated touch buttons;
- » **sustainability** - machine made of steel can handle very big loads;
- » **energy savings** - we care about the environment, that is why we can boast an average energy consumption at the level of the 15W;
- » **independent functioning of the operating system** - thanks to the use of a Web browser, it doesn't matter which system you use on your computer, smartphone or tablet - the machine works with both Windows and Linux;
- » **comfort and efficiency** - in machines we use asymmetric doors that provide a view of the display along with access to the inside of the device

» KEY DIFFERENCES BETWEEN BASIC AND PRO VERSIONS

	BASIC Version	PRO Version
Specification	Most popular version of our system, delivered as a standardized package. Meets 95% of customers' expectations. Includes simplified product returns.	A flexible version, which can be modified to meet the changing requirements of a given business. It includes intelligent tool shop and is compatible with a touchscreen.
		
Screen type	7" screen with 15 buttons	10" touchscreen
Returning items	Simple option to return collected tools and items. No labels	Intelligent returns with labels to mark condition of product items Counters tracking usage, wear % and expiration dates of returned tools and items Returning product on behalf of another employee, or with superior's authorization
Defining distribution priorities	×	For used tools
Automatic notifications	×	With a label assigned
Intelligent distribution	×	Intelligent distribution of used tools

AUTOMATED MACHINE D810

» RECORD-BREAKING CAPACITY WITHIN A SMALL AREA

The D810 automated machine is a self-service machine capable of automatically distributing up to 810 different products. Its construction is based on a rotary drum and it thus enables clients to store a large volume of goods with in a small area. Intuitive management is provided through a display with 15 touch sensitive buttons in the basic version or a touch screen in the Pro version. Through the patented compartment scanning system, loading of the compartments is both fast and easy. You can connect a bar code reader and an auxiliary machine without a user panel.

COMPARTMENT ADJUSTMENT FUNCTION

The impressive capacity of the machine is achieved through the compartment adjustment function, which provides up to 9 configuration options. The shelves can be of different sizes. Easily regulated compartments enable clients to adjust the capacity of the machine to meet a clients current needs whenever necessary.

3 LOADING OPTIONS

- 1

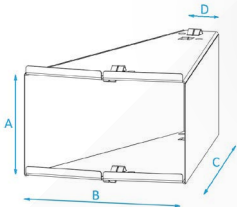
In case of the first, the loading takes place through an open door. An ideal solution for loading a large volume of the same type of products.
- 2

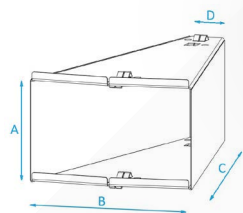
Second option consists of loading products piece by piece through small windows on the front of the machine.
- 3

The third option is based on the use of an innovative patented compartment scanning system that automatically detects already loaded compartments and thus considerably reduces the time necessary for loading the machine.



The machine is available in BASIC and PRO versions

TECHNICAL PARAMETERS					
Height [mm]	1915				
Width [mm]	805				
Depth [mm]	790				
CAPACITY [CHAMBER/ONE SHELF 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				
Electricity consumption [Watt]	Standby: 15 / operation: 150				
Voltage [V]	230 / 1 A				
Permissible load in the basic drum configuration [kg]	324				
DIMENSIONS IN MM	NUMBER OF CELLS	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



Attention - Detailed technical and functional information of the machines can be changed without prior notice due to continuous product development. If you have questions, please contact the Technical Department.

AUTOMATED MACHINE D1080

» VERSATILE AUTOMATED DISTRIBUTION MACHINE

The D1080 automated machine is a self-service machine capable of automatically distributing up to 1080 different products. Its construction is based on a rotary drum and it thus enables clients to store a large volume of goods with in a small area. Intuitive management is provided through a display with 15 touch sensitive buttons. Through the patented compartment scanning system, loading of the compartments is both fast and easy. You can connect a bar code reader and an auxiliary machine without a user panel.

COMPARTMENT ADJUSTMENT FUNCTION

The impressive capacity of the machine is achieved through the compartment adjustment function, which provides up to 6 configuration options. The shelves can be of different sizes. Easily regulated compartments enable clients to adjust the capacity of the machine to meet a clients current needs whenever necessary.

3 LOADING OPTIONS

- 1

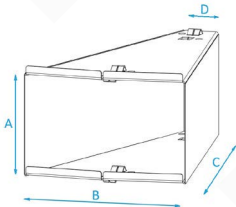
In case of the first, the loading takes place through an open door. An ideal solution for loading a large volume of the same type of products.
- 2

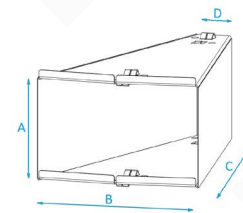
Second option consists of loading products piece by piece through small windows on the front of the machine.
- 3

The third option is based on the use of an innovative patented compartment scanning system that automatically detects already loaded compartments and thus considerably reduces the time necessary for loading the machine.



The machine is available in BASIC and PRO versions

TECHNICAL PARAMETERS					
Height [mm]	1915				
Width [mm]	1110				
Depth [mm]	1092				
CAPACITY [CHAMBER/ONE SHELF 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				
Electricity consumption [Watt]	Standby: 12 / operation: 35				
Voltage [V]	230 / 1 A				
Permissible load [kg]	185				
DIMENSIONS IN MM	NUMBER OF CELLS	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



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AUTOMATED MACHINE L40

» LARGE-SIZE VERSATILE DISTRIBUTION MACHINE

The L40 self-service machine capable automatically distributing up to 40 different products. Simple construction allows to load large-size items. Specially prepared openings in the back of the shelves allow for internal 230V * installations to supply power to the stored products. Very easy machine management is provided through the display with 15 touch buttons. You can connect a bar code reader and other machines available within the offer to the machine. L40S automated machine can successfully function as an ancillary unit of D540 and D1080 as well as F80 and D810 automated machines.

*L40ME model adapted to the internal power supply installation

COMPARTMENT ADJUSTMENT FUNCTION

Thanks to the shelves adjustment function – adjustment of height, in 4 sizes, the machine can be loaded up to 40 products at the same time.



The machine is available in BASIC and PRO versions

TECHNICAL PARAMETERS			
Height [mm]	1915		
Width [mm]	1020		
Depth [mm]	600		
NUMBER OF ONE SHELF TYPE			
80 × 400 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		
Electricity consumption [Watt]	15		
Voltage [V]	230 / 1 A		
Permissible load [kg]	25		
DIMENSIONS IN MM	A	B	C
	80	400	585
	170	400	585
	260	400	585
	350	400	585

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AUTOMATED MACHINE F80

» SPIRAL AUTOMATED MACHINE FOR UNIQUE SOLUTIONS

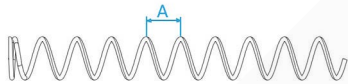


The vending machine is available in versions with and without the user panel.

The F80 automated machine is a self-service machine capable of automatically distributing up to 80 different products. Based on ejectors and it thus enables clients to store a large volume of goods with in a small area. Intuitive management is provided by a screen with 15 touch buttons. Loading products is fast and easy. To the machine F80, you can connect a bar code reader and an auxiliary machine without a user panel.

DIFFERENT TYPES OF SPRINGS FOR PRODUCTS

The impressive capacity of the machine is achieved through the possibility of using various types of spring winding in up to five stroke configurations. Possibility to mount up to 8 shelves, with 10 springs each, which can be combined in pairs for larger products. The spring configuration is unlimited, one shelf may include single and double springs in different sizes at the same time. Easily regulated compartments enable clients to adjust the capacity of the machine to meet a clients current needs whenever necessary.

TECHNICAL PARAMETERS		
Height [mm]		1915
Width [mm]		900
Depth [mm]		895
CAPACITY [ONE SPIRNG TYPE]		
9		720
12		960
15		1200
18		1440
24		1920
OTHER		
Operating temperature [°C]		5 - 40
Weight [kg]		350
Electricity consumption [Watt]		Standby: 15
Voltage [V]		230 / 1 A
Permissible load [kg]		25
	TYPES OF SPRINGS	CAPACITY
	left, right	9
	left, right	12
	left, right	15
	left, right	18
	left, right	24

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ADDITIONAL ASSORTMENT



Dedicated lock with a single, universal key

Pin lock from the reputable company Baton ensures opening of numerous vending machines with one key, thus protecting from opening with a universal key. The lock was made of high-grade steel.



Bar code reader

A bar code reader allows to identify even the most damaged codes thanks to a software that improves reading. This high-quality, multiline (18 scanning lines) laser reader is adjusted to operate in a vertical position. Designed for housing. It is ideal for identifying products that are loaded and those that are distributed from the vending machines.



Protection tubes

Protection tubes form a protective barrier securing the sides of the vending machines against forklifts and other vehicles operating in the warehouse halls. Durable steel construction provides effective protection. The pipes are mounted to the sides of the machines in technological holes previously prepared with screws. The structure is powder coated in bright colors or otherwise - according to individual needs.



Boxes

Boxes for small products for the D1080 and D810 machines are available in three widths. The ideal solution for small products such as screws, nuts, etc. Boxes prevent them from falling out while the drum is rotating and facilitate their removal from the machine.



Rubber pad protecting products against scratches for D1080 and D810 machines

The pad is flexible, which protects the product against damage during collection, in particular throughout return and loading the tool. The soft lining allows products to be placed in the machine without fear of scratches, and thanks to the cutouts in the sponge, the pad adheres perfectly to the surface.



Internal installation 230V

Internal installation available for the L40ME machine. Thanks to the special construction of the back of the machine, we can mount cans with 3 modules depending on your needs.



Drum scanning system

The drum scanning system can shorten the loading time by up to 50%. Available for D540 and D810 machines. It is possible to install the system in a currently running vending machine.



Wi-Fi Modem

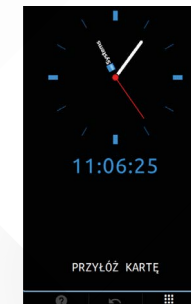
Where there is no possibility of easy installation of wired LAN connection, the machine can be connected to the local network using Wi-Fi interface.



Warranty Extension

Complex warranty extension offer allows you to extend the protection for up to 6 years (on parts only). A variant of the comprehensive protection (all inclusive) includes the repair of vending machines by authorized service technicians with a guaranteed response time to 24 hours.

PRODUCT COLLECTION



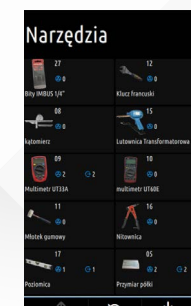
1

Employee has quick access to products in the vending machine through the proximity card. The employee places the card in a specially designated spot, in which the reader is installed.



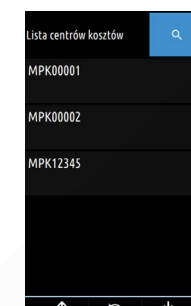
2

After applying the card, the product catalog is displayed. Products can be properly categorized so as to provide the employee with a possibility of the most intuitive and quick product search.



3

After entering into the appropriate category, the products are displayed. They include small miniatures so as to make it easier for the employee to recognize them. Configuration allows to view only those products for which the employee has access



4

The employee selects the cost centre on which he wants to collect the product. This is an additional feature that allows to settle collection per projects, cost centers or company departments. In case of a large number of projects, the employee has the ability to search for a project by name.



5

Upon selecting the appropriate product and approving the cost center, the machine indicates the location where the product is placed.



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