



MUEHSAM

AUTOMATIC BAG

EMPTYING MACHINE

New headquarters of MUEHSAM Rozwiązania Dla Przemysłu!

Our company was founded in 2006. From the very beginning, we have focused on providing modern technological and machinery solutions for the plastics processing industry. We support the development of our clients through professional technical consulting and the implementation of innovations in line with the Industry 4.0 concept, offering tools based on artificial intelligence that enhance efficiency and process automation.

Over the years, we have grown dynamically – from opening new offices and service centers, through launching the production of specialized machines, to building a modern production and office hall with an area of 4,400 m² in 2023.

Today, we operate globally, delivering automation solutions for companies of various industries and scales, helping them achieve higher levels of precision, efficiency, and sustainable growth.



The investment is located in Dębska Wola, Świętokrzyskie voivodship.

MUEHSAM's automatic bag emptying machines are modern and configurable solutions that support the automation of production processes. By enabling fast bag emptying, they increase efficiency, reduce manual labor, and improve workplace ergonomics.

Our portfolio includes three models: **DP15C**, **EASY**, and **LITE**. The **DP15C** can be further extended with a full-pallet feeding system and a pallet stacker, making it the most versatile solution. The **EASY** model ensures simple and effective depalletizing, while the compact **LITE** stands out with its space-saving design and the option of feeding material with adjustable proportions.

All models guarantee reliability, high quality, and innovation.

OUR MODELS:

LITE



Compact

1,5 t/h

3600 x 2400 x 3300 mm

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EASY



Economical

7 t/h

2280 x 6470 x 3195 mm

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DP15C



Configurable

15 t/h

2280 x 6470 x 3195 mm

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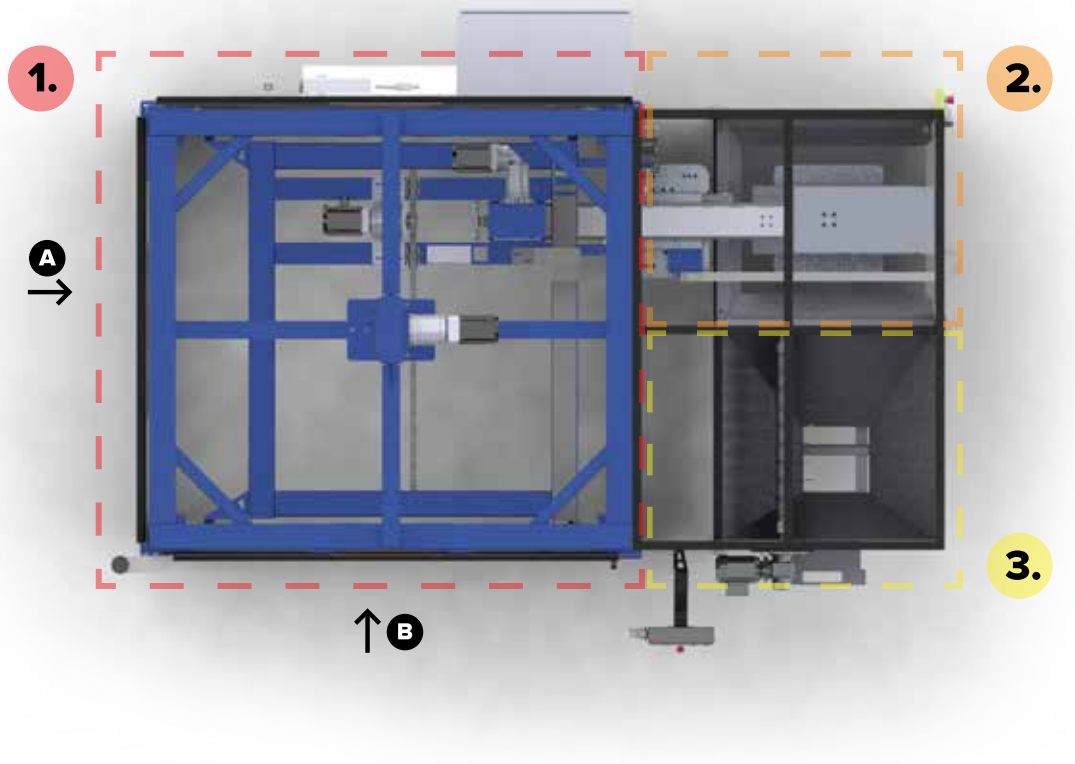
LITE



TECHNICAL SPECIFICATION

Output	up to 1,5 t/h
Accuracy of bag emptying	up to 99,98%
Machine dimensions	3600 x 2400 x 3300 mm (W x L x H)
Pallet dimensions	1300 mm x 1100 mm
Pallet weight	max. 1600 kg
Pallet height	max. 2200 mm
Power supply	3 x 400 V, 50 Hz
Consumption of compressed air	15 l/cycle, 8 bar
Installed power	up to 6 kW
Protection class	IP55

CONFIGURATION



1. Pallet Feeding

- Option to choose the feeding side **A** or **B**

2. Bag Packing (empty bag discharge section)

- Customizable according to individual requirements
- Compartment for a mobile tank with dimensions of 850 x 850 x 1600 mm (L x W x H)
- Compactor

3. Granulate Unpacking (bag emptying section)

- Stainless steel design
- Option to discharge into an independent tank
- Possibility of adapting to a central feeding system
- Tank with rotary dispenser

Section 2 and 3 can be swapped

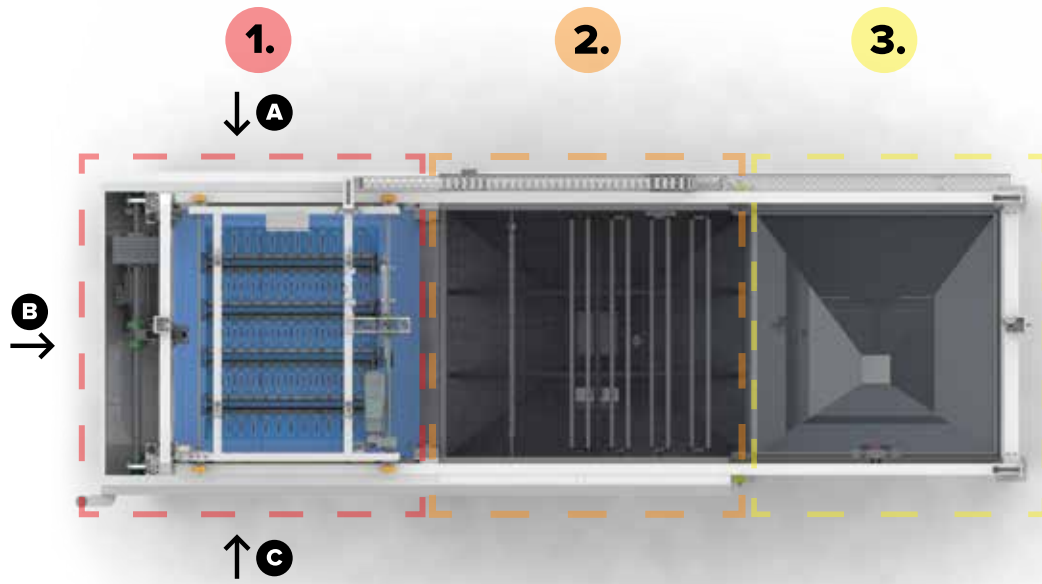
EASY



TECHNICAL SPECIFICATION

Output	up to 7 t/h
Accuracy of bag emptying	do 99,98%
Machine dimensions	2280 mm x 6470 mm x 3195 mm (W x L x H)
Pallet dimensions	1300 mm x 1100 mm
Pallet weight	max. 1600 kg
Pallet height	max. 2200 mm
Power supply	3 x 400 V, 50 Hz
Consumption of compressed air	up to 10 kW
Granulate chute made of stainless steel.	
Possibility of loading a full pallet using a hand pallet truck.	

CONFIGURATION



1. Pallet Feeding

- Option to choose the feeding side **A**, **B** or **C**

2. Granulate Unpacking (bag emptying section)

- Chute design:
 - with a rotary dispenser
 - for central feeding system
 - for loading big bags or octabins

3. Bag Packing (empty bag discharge section)

- Compactor with granulate recovery
- Horizontal baler
- Big bag hanger
- Polycarbonate tank for manual collection of empty bags
- Customizable configuration

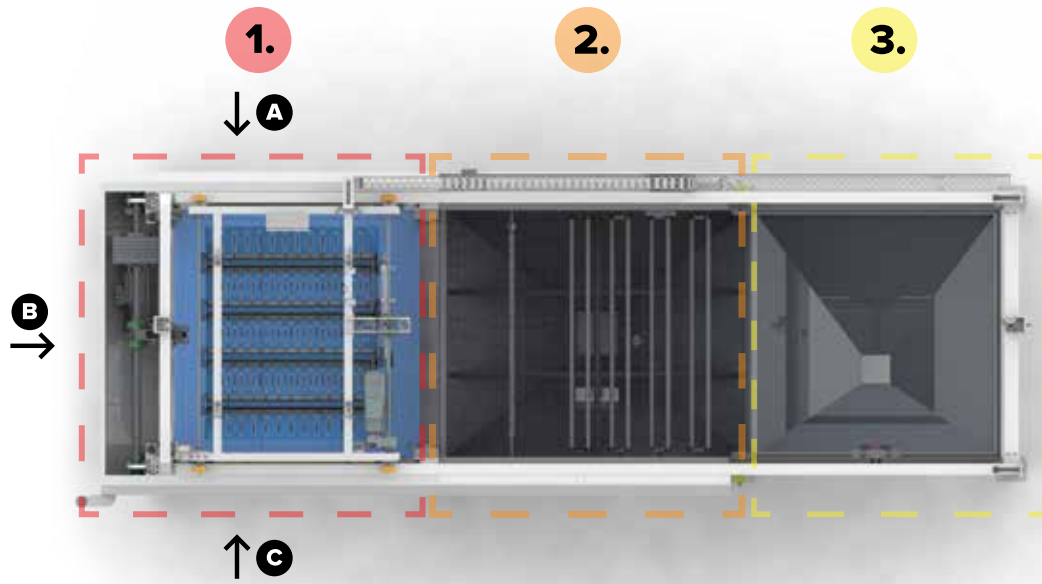
DP15C



TECHNICAL SPECIFICATION

Output	adjustable up to 15 t/h
Accuracy of bag emptying	up to 99,98%
Machine dimensions	2280 mm x 6470 mm x 3195 mm (W x L x H)
Pallet dimensions	1300 mm x 1100 mm
Pallet weight	max. 1600 kg
Pallet height	max. 2200 mm
Power supply	3 x 400 V, 50 Hz
Consumption of compressed air	40L/cycle, 6-8 bar
Installed power	up to 10-15 kW
Granulate chute made of stainless steel.	
Possibility of loading a full pallet using a pallet jack.	

CONFIGURATION



1. Pallet Feeding/Receiving

- Option to choose the feeding side **A**, **B** or **C**
- Possibility to select the side for stacking empty pallets **A**, **B** or **C**
 - depending on the selected loading side of the empty pallet
- Possibility to configure the feeding and pallet storage side

2. Granulate Unpacking (bag emptying section)

- Made of stainless steel
- Chute design:
 - with a rotary dispenser
 - for central feeding system
 - for loading big bags or octabins

3. Bag Packing (empty bag discharge section)

- Compactor with granulate recovery
- Horizontal baler
- Big bag hanger
- Polycarbonate tank for manual collection of empty bags
- Customizable configuration



DP15C – extended version



Compactor



Polycarbonate container



Possibility of quantitative configuration of the pallet feeding section

MACHINE STRUCTURE

- Materials: main structure powder coated black steel, elements in contact with granulate stainless steel (grippers, tank, chutes)
- Key components: elevator carrying the pallet with bags up and down, trolley with attached gripper gripping the bags, cutting knives – circular made of high-speed steel, pneumatics by Cpp Prema
- Control type: PLC, HMI by Omron, Drives, inverters, amplifiers – Omron, and others SICK, Omron
- Speed control of each part of the process, which allows for optimization of the emptying cycle for individual types of materials, it also gives the possibility of adjusting the efficiency to the demand and, consequently, lower wear of the machine components, ensuring their longer service life
- Components manufactured entirely by Muehsam Rozwiązania Dla Przemysłu to the highest standards

MACHINE CONTROL SYSTEM

- Manufactured entirely by Muehsam Rozwiązania Dla Przemysłu to the highest standards
- The control cabinet made of Omron components ensures reliability in every aspect
- SEW/OMRON motors and reducers
- PREMA pneumatics

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Our Projects



Certificates and standards:

- CE mark
- Directives: 2006/42/EC, 2014/35/EU, 2014/30/EU
- ISO: PN-EN ISO 12100, ISO 13849, EN 60204-1
- Optional: HACCP, ATEX, hygienic design











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