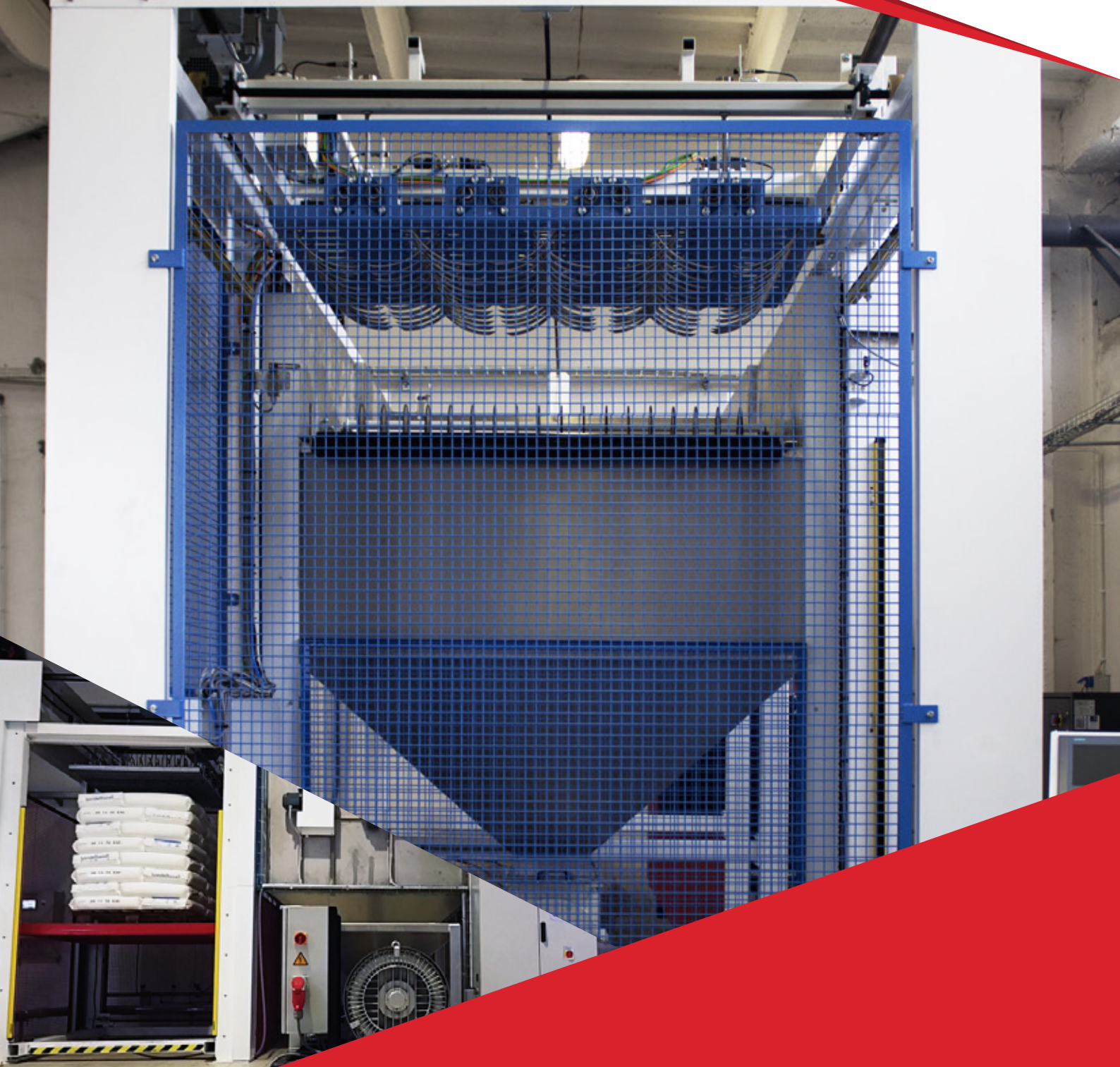




MUEHSAM

ROZWIĄZANIA DLA PRZEMYSŁU

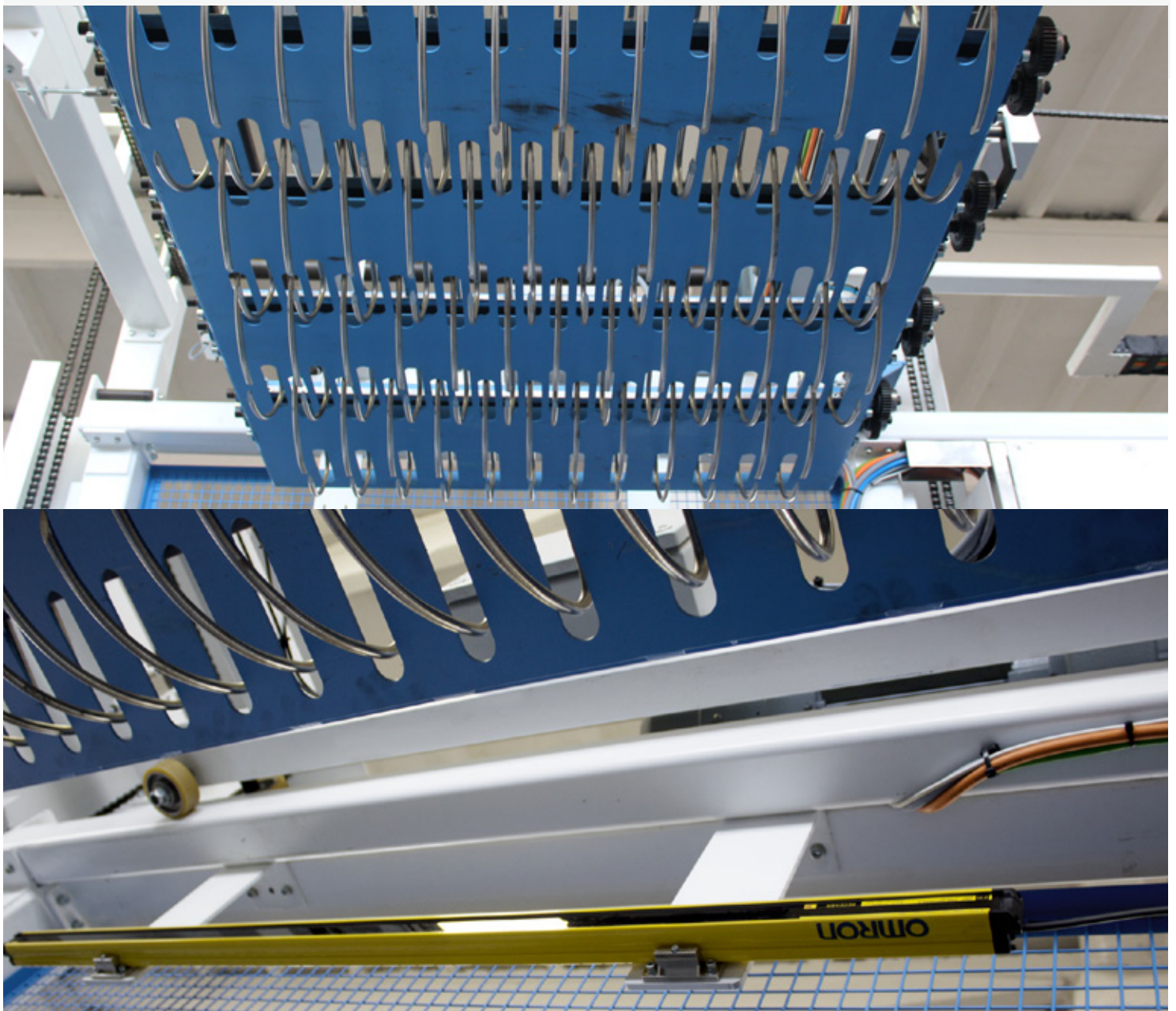


Automatic Bag Emptying Machine DP15T

THE MACHINE IS DESIGNED FOR AUTOMATIC EMPTING OF BAGS WITH PLASTIC RESIN WITH HIGH OUTPUT

FULL AUTOMATIZED PROCESS ALLOWS TO ACHIEVE FOLLOWING BENEFITS:

- Increasing capacity of production
- Saving costs of the labour
- Machine is operator friendly
- Improving safety and environment quality
- Modular design with possibility of expansion for baler and automatic pallet stacker
- Modular design ready for emptying 2 materials, with full regulation of ratio of each material



The background image shows an industrial machine, likely a bag opening and granule processing unit. It features a prominent blue overhead structure with a series of curved metal supports. The sides of the machine are enclosed in blue metal mesh. A black horizontal bar is visible in the center. The machine is situated in a factory or warehouse environment, with various pipes and cables visible on the left and right sides.

BASIC PRINCIPLES OF OPERATION

The full pallet is loaded by operator by means of forklift. When the pallet is loaded in proper position the lift of the machine by means of chain movement is raised up towards the machine head.

The Head is equipped with special designed hocks which drives inside the bags. One layer of bags is taken from the pallet to the cutting stage. Bags are opening by rotary knives and the granules falls down inside the hopper. In the next stage, in order to avoid remaining rest of the granules, the bags are shaking by special designed hybrid biting system, which are orientated perpendicularly to the movement do the head carrying bags. In the last stage empty bags are throwing in the stainless steel container container.

When the pallet is finished, machine gives a signal to the operator to introduce another pallet with full bags.

TECHNICAL DATA:

Capacity:	3 options, regulated max 15t/h, 20t/h, 25t/h
Accuracy of the discharge :	99,98%
Basic machine dimensions:	2800mm x 6000mm x 3600mm (W x L x H)
Pallet dimensions:	1300mm x 1100mm
Pallet weight:	max 1600kg
Pallet height:	max 2200mm
Pressurized air consumption:	15l per cycle, 8 bar
Carbon steel frame, powder coating:	RAL 9003, RAL3013



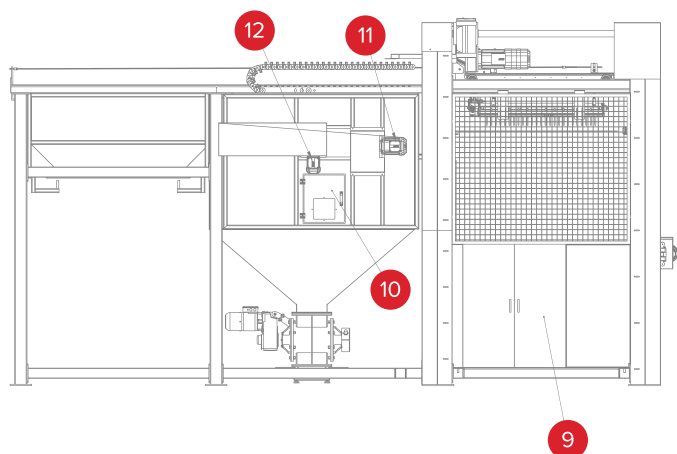
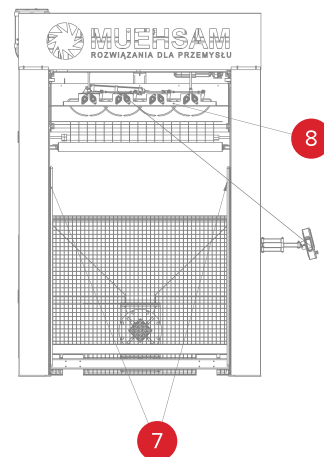
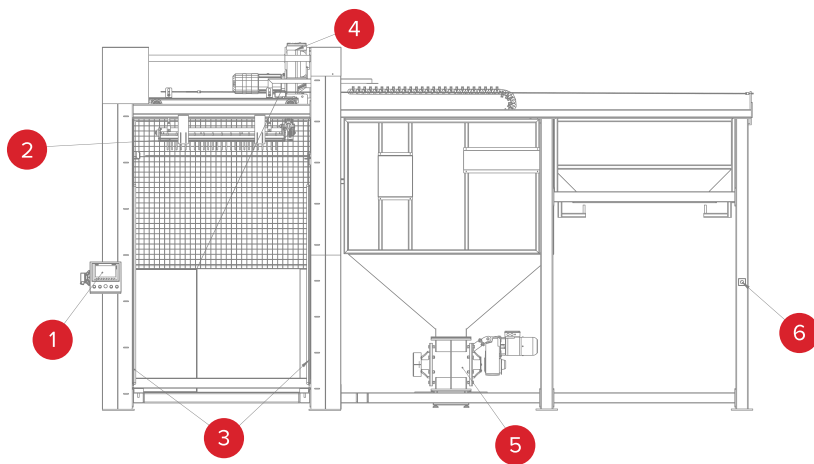
BASIC DESCRIPTION OF MACHINE DP15T CONSTRUCTION

- Carbon steel frame with modular design equipped with rails
- Head equipped with 11 rows each containing 4 sets of stainless steel gripping hooks
- Electrical movement of the head controlled by encoder in order to keep certain position. This solution extends durability of components
- Pallet lift: lifting movement by means of SEW or NORD electric geared motor and 4 chains
- 14 rotating blades made of high quality chrome steel, mounted on easy removable shaft.
- Unique hybrid biting system consisting of steel rods with eccentricity and air strike for total bags discharge
- Stainless steel hopper for discharged material with 45° outlet angle
- Special stainless steel grid inside the hopper, prevents getting parts of bag in the hopper
- Electrical control with Siemens or Omron PLC
- Control touch panel (color, 7") incl. disturbance notification and status. The panel allows programming of parameters such as speed, capacities, etc
- Emergency stop and reset button on electrical control cabinet
- Safety curtains by OMRON prevents intrusion inside the machine during operation

CONTROL SYSTEM

- | The control system is produced by company Muehsam Rozwiązania Dla Przemysłu, according to the highest standard
- | The operation of the system is carried by 9" colour touch panel from Siemens
- | All gear motors are brand SEW or NORD, and are controlled by frequency controllers
- | Control system components are mainly SIEMENS and OMRON
- | Pneumatic components are mainly FESTO and PREMA
- | Safety components by Omron





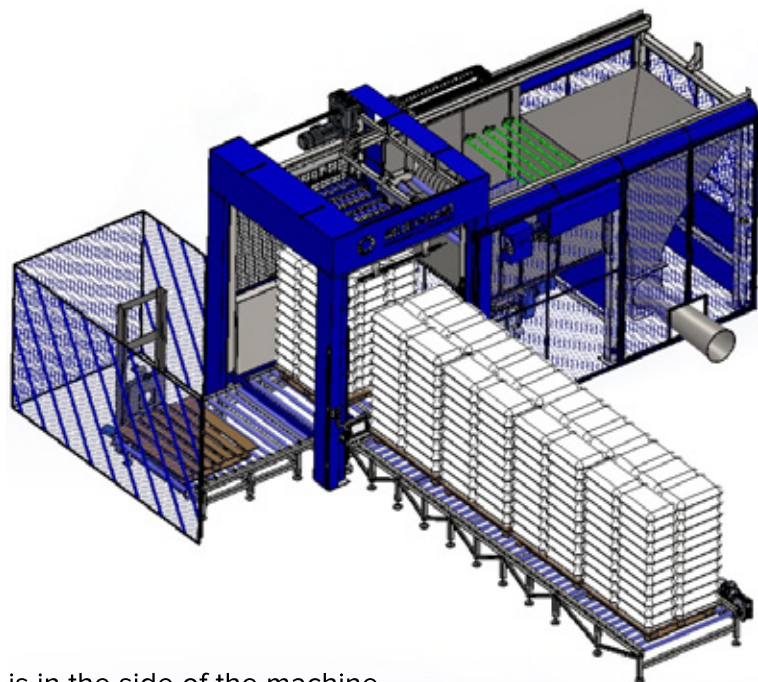
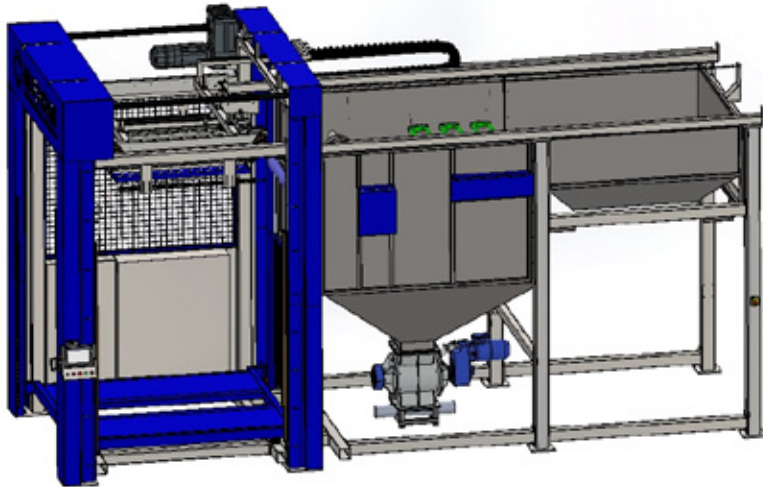
- 1 control panel
- 2 light curtain stopping the elevator
- 3 safety curtain from the loading side
- 4 elevator drive unit
- 5 rotary valve
- 6 safety switch
- 7 front loading safety curtain
- 8 bag gripping unit
- 9 electrical cabinet
- 10 inspection door
- 11 knife drive system
- 12 whisk drive unit

**Position
of the components
which guarantee safety
of the operator**



TWO EXAMPLES OF MACHINE CONFIGURATION:

● Loading of the pallet is in the front of the machine

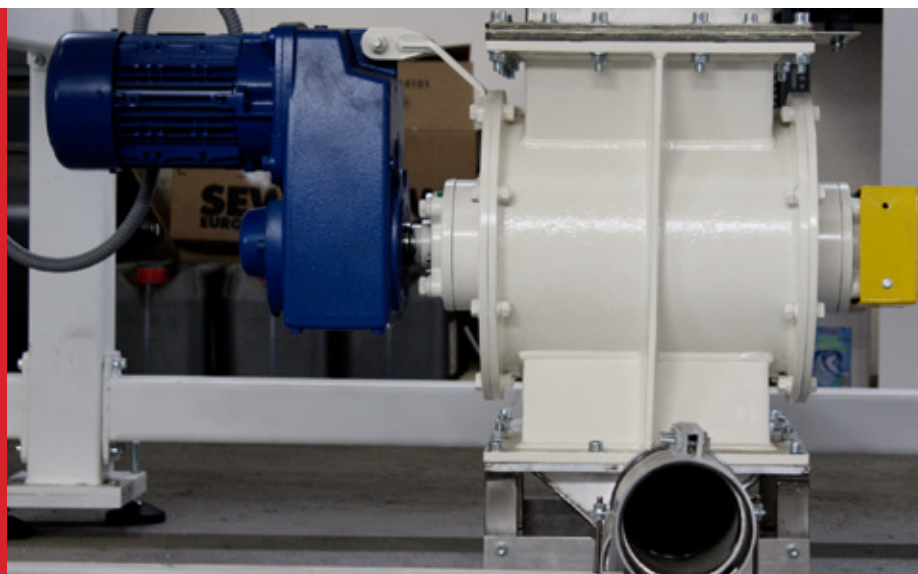


● Loading of the pallet is in the side of the machine

Rotary Valve

Option – not included in price

We propose rotary valve brand WEST-INGHOUSE, which is necessary for loading of the silo. Throughput of the valve is designed to the capacity of DEPALETYZER DP15T





**From the raw material to the
end product, high quality
assured by “In-house”
production.**

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