

Automatic Bag Dump Station



Rotaslit®

Patented system

Rate: 6 sacks/min.
Capacity: 15 to 50 kg/sack
Manufacturing: mild steel, 304L stainless steel, 316L stainless steel

AUTOMATIC DECONDITIONING AND ELIMINATION OF EMPTY SACKS

The ROTASLIT® opening unit is widely used in food, pharmaceutical, chemical and agrochemical industries.

The bags are cut by a multi-blade shaft and transferred by the compacting screw compactor into the drum.

The dust extraction option offers the best solution for rapid automatic opening of sacks with no dust. It was commissioned on platforms to facilitate the incorporation of raw materials in the process. This automatic machine uses only one 3 kW-motor.

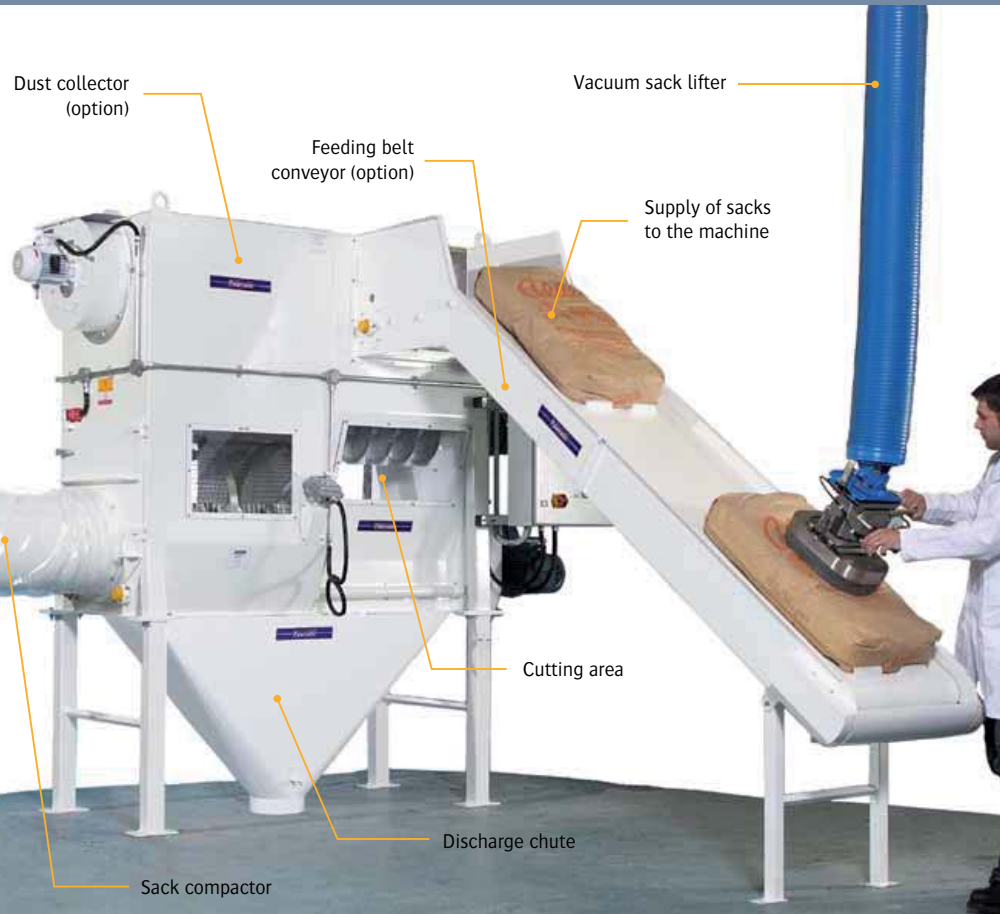
TECHNICAL SPECIFICATIONS

The sack is conveyed by a screw to the compactor and at the same time stirred in a rotating drum. This configuration allows an optimal discharge of the bag. The greatest strength of this machine is to accept bags oriented in the length or width and the ability to process large varieties of packagings such as boxes or sacks covered with paper or plastic and plastic or paper bags.

Like all the other PALAMATIC PROCESS automatic bag dump stations, its conception facilitates cleaning and maintenance with minimal retention points, flanges and gaskets. This sack opening unit can process 10 tons of material per hour (depending on the fluidity of the bulk material) and is available in steel or stainless steel.

ADVANTAGES

- Suitable for many types of bags: paper, polywoven, lined...
- Minimize the handling by the operator
- Robustness, reliability and productivity
- Can be used in areas with restricted head room
- Integrated sack compactor
- Better productivity
- Reduced dust contamination
- Easy to clean



✂ Cutting system with rotating drum



✂ Screw compactor to discharge the empty bags and to reduce dust emission



✂ Opening over the compacting screw



✂ Vacuum lifter to handle effortlessly sacks for an ergonomic working station (option)

Advantages



ROTASLIT® THROUGHPUT CAPACITIES

PRODUCTS	Sacks per minute
Peanuts	6
Coffee beans	6
PE / LDPE granules	6
Lentils	6
Animal feed pellets	4
Dicalite	6
Sugar	4
Tea	6
PVC powder	3-4
Carbon black	4
Soya flour	6
Cement	4-6
Starch	3
TiO2	3-4
Aluminium oxide	4-6
Caustic flake	4-6
Ammonium sulphate	5
Milk powder	4
Filter aid	6



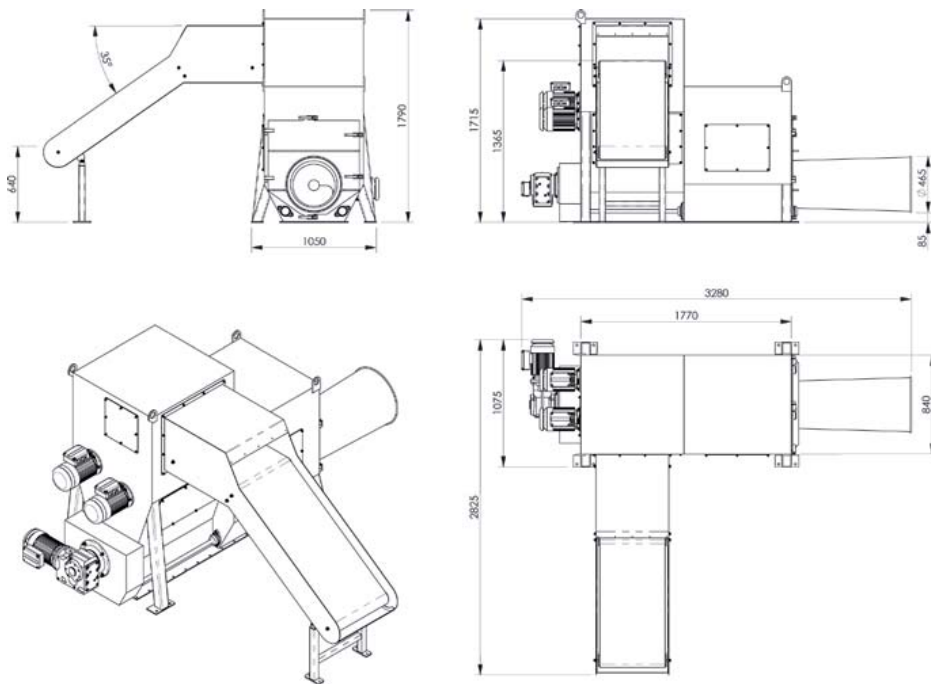
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▶ GENERAL LAYOUT



▶ EXAMPLES OF IMPLEMENTATION



▶ ATEX version



▶ Feeding of the machine with a vacuum sack lifter



▶ Rotating blades

▶ ATEX AND EXPLOSIVE ATMOSPHERE

Due to its design, the ROTASLIT® is particularly suitable for ATEX applications. ATEX configuration includes additional security organs such as temperature sensors, engine torque calculation, rotation controller. Our R&D department defines with you the system requirements depending on the products that you deal with.

▶ AUTOMATION

The automation is an integral part of the expertise of PALAMATIC PROCESS. The ROTASLIT® machine is fully driven by our automaton so the success of the raw material loading is guaranteed.

Automatons: Siemens, Télémécanique, Allen Bradley, Rockwell

▶ OPTIONS



Dust collector ensuring healthy work environment



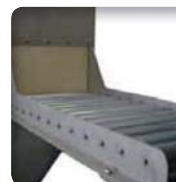
Vacuum sack lifter for an effortless loading of the machine. The rate is guaranteed with maximum ergonomics



Support raiser for the machine to enable the operator to have access to the various doors of the machine



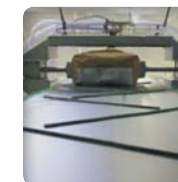
Vibrating chute allows to channel the material flow for introduction into the process downstream



Roller conveyor to feed the machine



Belt conveyor, horizontal or inclined. It integrates detection cells to adjust the flow rate of the machine



Pre-crushing of the bags when passing bags with lumps. The passage of the bag in front of the detect sensor starts the crushing action



Steel - Stainless steel manufacturing for all parts in direct contact with the handled materials

