

Automatic sack opening system



Rotaslit®

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Rate: 6 sacks/min.
Capacity: 15 to 50 kg/sack
Manufacturing: steel or stainless steel (patented system)

DECONDITIONING OF PRODUCTS WITHOUT ANY ADJUSTMENT

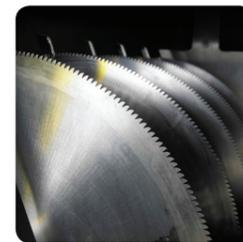
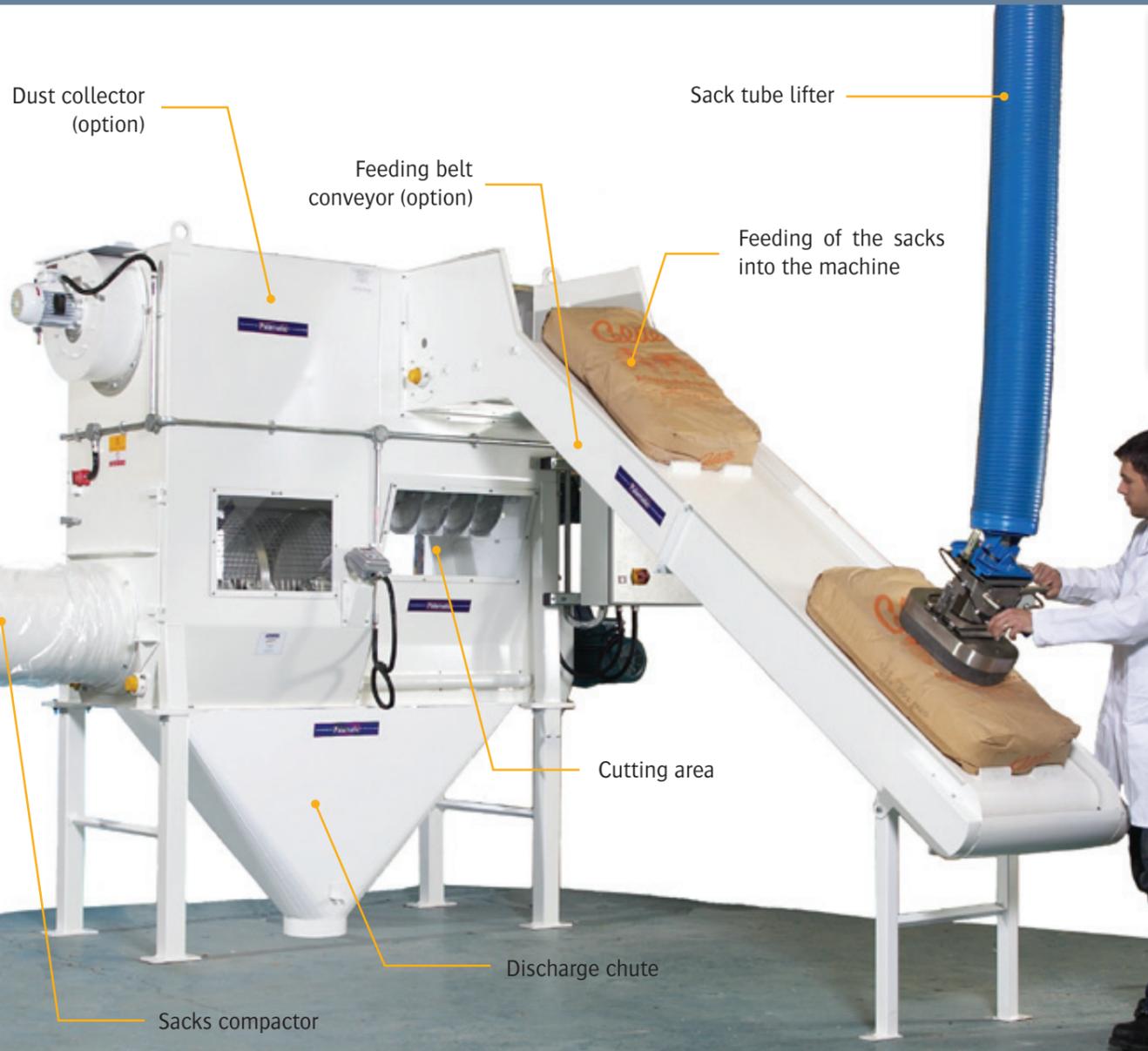
The ROTASLIT® opening unit is widely used in food, pharmaceutical, chemical and agrochemical industries. Its patented system of inversion carries empty bags towards a screw compactor which is an integral part of the system. The dust extraction option offers the best solution for rapid automatic opening of sacks with no dust. It was developed into operation on platforms to facilitate the incorporation of raw materials in the process. This automatic machine uses only one 3 kW motor.

TECHNICAL SPECIFICATIONS

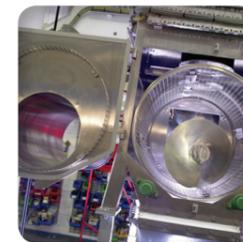
The rotary drum discharges the maximum amount of product in a single cut, performed with a patented drilling screw. The greatest benefit of this machine is the feeding of the machine in different positions and the ability to process large varieties of packagings such as boxes or sacks covered with paper or plastic and plastic or paper bags. Like all the other PALAMATIC PROCESS automatic sacks systems, its conception facilitates cleaning and maintenance with minimal retention points, flanges and gaskets. This sack opening unit can process 10 tons of product per hour (depending on the fluidity of the product) 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
- Increased productivity
- Reduced emissions of dust
- 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



▶ Tube lifter to lift sacks effortlessly 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

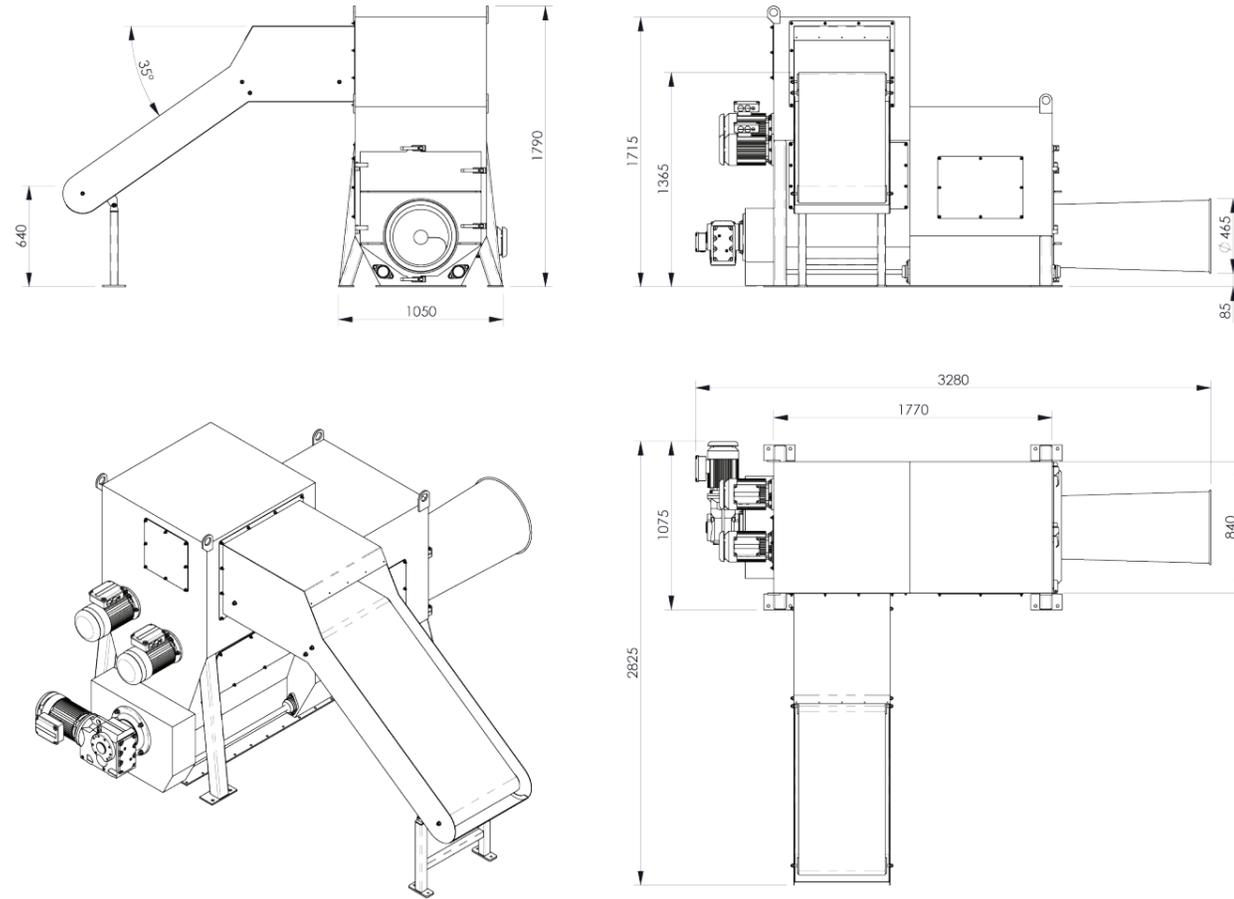
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▶ GENERAL LAYOUT



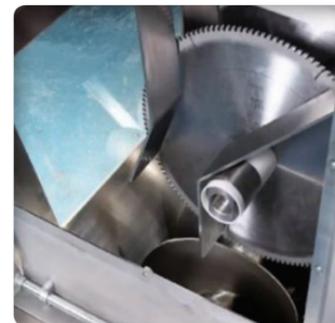
▶ EXAMPLES OF IMPLEMENTATION



▶ ATEX version



▶ Feeding of the machine with a tube lifter for sacks



▶ Precutting blades

▶ ATEX ENVIRONMENT

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 research 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 that the process of loading raw materials is successful.

Automatons: Siemens, Télémécanique, Allen Bradley, Rockwell

▶ OPTIONS



Dust collector ensuring healthy work environment



Sack tube 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 product flow for introduction into the process upstream



Roller conveyor to feed the machine



Belt conveyor, vertical 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 products handled