Automatic Bag Dump Station

Rotaslit®
Patented system

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.

Rotaslit®
Cutting system with rotating drum

Supply of sacks to the machine

Vacuum sack lifter

Dust collector (option)

Feeding belt conveyor (option)

Cutting area

Discharge chute

Sack compactor

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

PRODUCTS

<table>
<thead>
<tr>
<th>Sacks per minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coffee beans</td>
</tr>
<tr>
<td>Poly / UTP granule</td>
</tr>
<tr>
<td>Lentils</td>
</tr>
<tr>
<td>Animal feed pellets</td>
</tr>
<tr>
<td>Flour</td>
</tr>
<tr>
<td>Sugar</td>
</tr>
<tr>
<td>Tea</td>
</tr>
<tr>
<td>PVC powder</td>
</tr>
<tr>
<td>Carbon black</td>
</tr>
<tr>
<td>Bagasse</td>
</tr>
<tr>
<td>Corn meal</td>
</tr>
<tr>
<td>Flour</td>
</tr>
<tr>
<td>F102</td>
</tr>
<tr>
<td>Phosphorus oxide</td>
</tr>
<tr>
<td>Talc</td>
</tr>
<tr>
<td>Aluminum sulfate</td>
</tr>
<tr>
<td>Wax</td>
</tr>
<tr>
<td>Wax powder</td>
</tr>
<tr>
<td>Mania</td>
</tr>
</tbody>
</table>

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Automatic-sack-opening-systems/rotaslit
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AVAILABLE
CUSTOM
MADE
**GENERAL LAYOUT**

- Rotaslit®
- Patented system

**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 coils 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

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