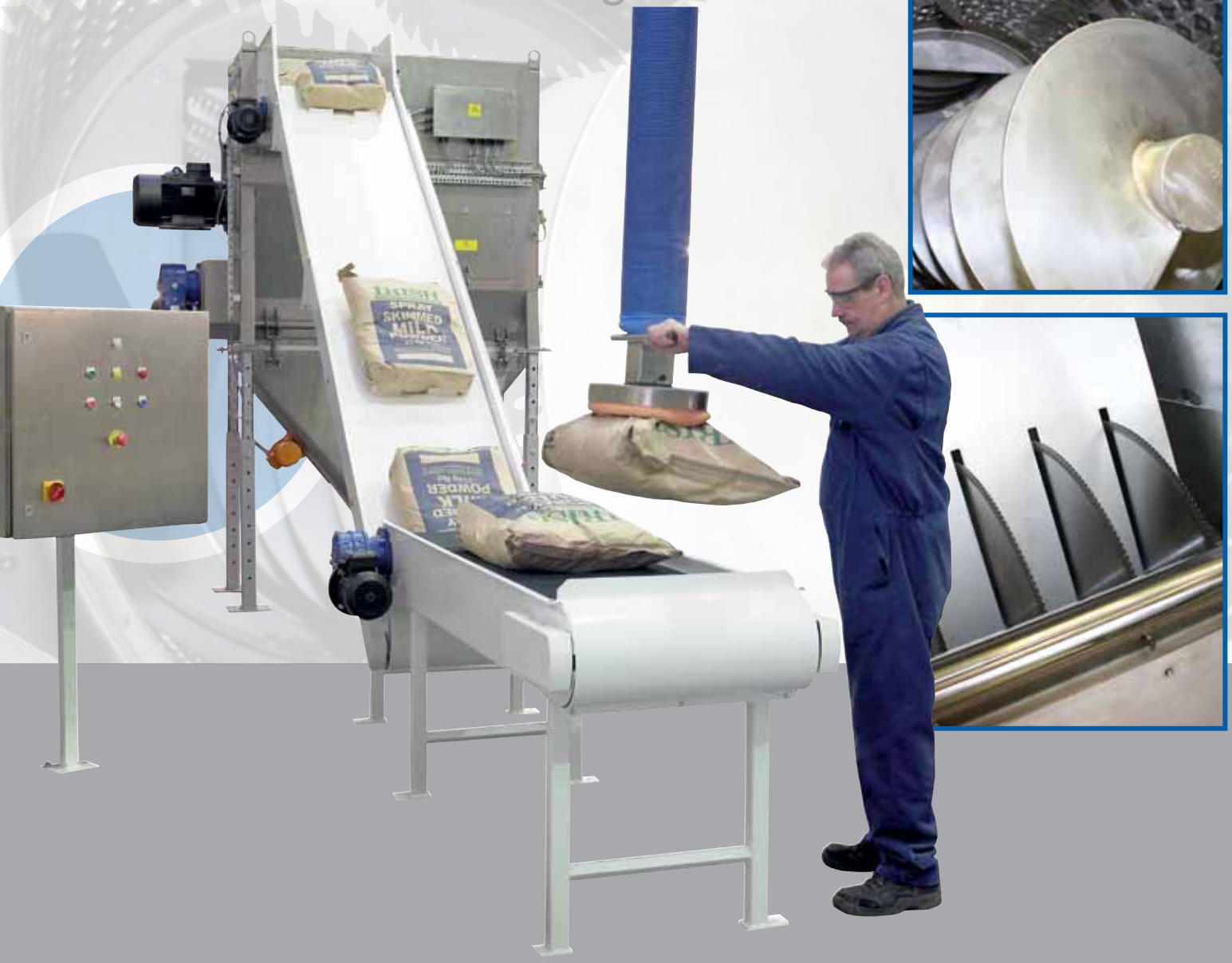
RotaSlit Standard and RotaSlit-Maxi Automatic Sack Opening

Palamatic
Powder Handling



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Part of the Palamatic Group

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Palamatic Powder Handling experts in lifting and powder handling solutions

For over 25 years Palamatic have lead the market worldwide in materials handling innovation. Palamatic's focus on powder process and its specific handling problems is a culmination of years of proven solutions. The name Palamatic is synonymous with sack opening, providing dust-tight handling equipment for industries processing powder products in sacks. The handling of powders, flakes and pellets in any environment is potentially one of the dirtiest, time consuming, labour intensive and hazardous processes in industry.

Complying with the COSHH Regulations is a driving force for employers to reduce occupational ill health caused by operator exposure to powders causing lung disease, skin irritation, asthma and other serious consequences. Palamatic has considered the need for operator safety by designing a range of sack opening machines that control environmental dust emissions as well as combining low maintenance and high throughput when required.

Contact TnT Handling:610-701-6350/ info@tnthandling.com

Palamatic's wide range of sack opening equipment takes into consideration the customer's needs including:

- Equipment foot-print
- Variations in sack throughput
- Wide ranges of sacks to open
- Product and sack material
- Hazardous and explosion proof restrictions
- Low headroom
- Cleandown and maintenance
- Emptying capability

Palamatic solutions are backed by top level engineering, project and quality management including validation.

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PALAMATIC RotaSlit Standard and RotaSlit-Maxi

The concept of the RotaSlit design was to eliminate the sensitivity of a sack opener's cutting system relative to a sack size and shape. With RotaSlit designs the sacks can be tipped in regardless of sack type and has the highest emptying efficiency of the range.

The RotaSlit range can handle between 6-16 sacks per minute dependant on which option is chosen and the type of sack material and product contents.

The RotaSlit-STD has a compact foot-print with the RotaSlit-Maxi being much larger due to its increased length Tumble Drum section.

The RotaSlit operates by feeding the sacks through the large rotating cutting blades mounted on a single shaft that effectively cut the sack into complete hoops in a primary cutting and emptying operation. The hoops on the RotaSlit-STD are then transferred via a screw auger into a secondary discharge chamber with Tumble Drum whilst on the RotaSlit-Maxi the hoops are transferred by gravity into an extended Tumble Drum. On both versions the emptied sack hoops are transferred from the Tumble Drum into a waste sack screw compactor to be collected and extruded into polythene tubing attached to the compactor outlet. The RotaSlit-STD and The RotaSlit-Maxi are supplied with a powered inclined infeed conveyor.

A dust extraction spigot or an integral dust extraction unit is available to ensure maximum dust-tight operation.

The RotaSlit can be supplied to operate in various ATEX zones and where material is of an explosive nature can be fitted with a scope of explosion relief panels or explosion suppression equipment .

The RotaSlit offers many machine finishes from mild steel powder coated to various levels of stainless steel finishes polished to 240 grit which makes it suitable for high specification applications. The RotaSlit can be supplied fully wired to a machine mounted terminal box. An optional control panel can be supplied loose for mounting as required where customers prefer to integrate controls into their own factory systems. Palamatic can supply any necessary Functional Design Specification for such integration.

The range also includes:
- Manual Sack Opening Systems
- Bulk Bag Dischargers FIBC Semi Automatic
- Bulk Bag Dischargers FIBC Fully Automatic
- Combination Bulk Bag (FIBC)/Small Sack Discharger Range
- Compactors
- Infeed Solutions