



Palamatic

Powder Handling



www.powderhandling.co.uk

Part of the Palamatic Group



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.

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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.



PALAMATIC Manual SackTip

In the factory process it is often a requirement to open sacks of powder into a mixer, bulk container or silo where the throughput of dispensed material does not warrant a fully automatic sack opener machine. The Palamatic Manual SackTip range of machines is ideal for these application.

The Manual Sack Tip machines have a small footprint and due to the size of the inlet door is suitable for opening a wide range of sacks.

The most popular configuration of the Palamatic Manual SackTip can be seen in the photograph. The standard machine incorporates a waste sack compactor located at the rear and includes an integral swing wing reverse jet dust extraction unit complete with control panel.

The operator simply places the sack onto the infeed tray using a Palamatic vacuum tube sack lifter and slits the sack with the knife provided. The product is emptied through the mesh support grill and the emptied sack is then posted into the empty sack compactor where it is compacted and extruded into a dust tight polythene tube for disposal.

The dust extraction provides continuous dust control when the door is open and on the door being closed carries out the cleaning process on the filter cartridges using the unique swing wing cleaning system.

Where the headroom limits the use of an integral dust extraction, a dust extraction spigot can be provided and a free-standing dust extraction unit can be positioned in a convenient location.

Again where the layout of the area precludes the fitting of the rear mounted empty sack screw compactor this can be either side mounted with a connector chute or drop chute which can transfer empty sacks to a lower level for collection and compaction.

The ManualSackTip 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 Manual SackTip can be supplied with various machine finishes from mildsteel powder coated to various levels of stainless steel finishes polished to 240 grit which makes it suitable for high specification food applications

The Manual SackTip is supplied fully wired to a machine mounted terminal box . A Control Panel supplied loose for mounting as required is also offered as an option as many customers may wish to supply their own controls integrated into their main factory systems. In such cases Palamatic can supply any necessary FDS (Functional Design Specification) for such integration.

The range also includes:

- Automatic 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