Sack Cutting Unit

HMH's Sack Cutting Unit (SCU) is a high performance machine for cutting and emptying drilling fluid additive and onshore industrial sacks.

Product description

Our user-friendly sack cutting unit requires minimal training of the operators. The sacks are continuously fed onto the conveyor belt and the direction and condition of the sacks do not affect the performance of the unit. Our SCU is flexible to accommodate both multilayer and poly-woven sacks.

In the cutting chamber, four high speed rotating discs split the sacks with speed and precision. The precision of this operation results in creating a proper opening in the sack resulting in high emptying efficiency, without powder residue remaining in any pockets.

A rotating drum ensures that the powder filters through the mesh into a dosing screw conveyor. The drum leads to the sack being properly emptied before it is discharged into the waste compactor.

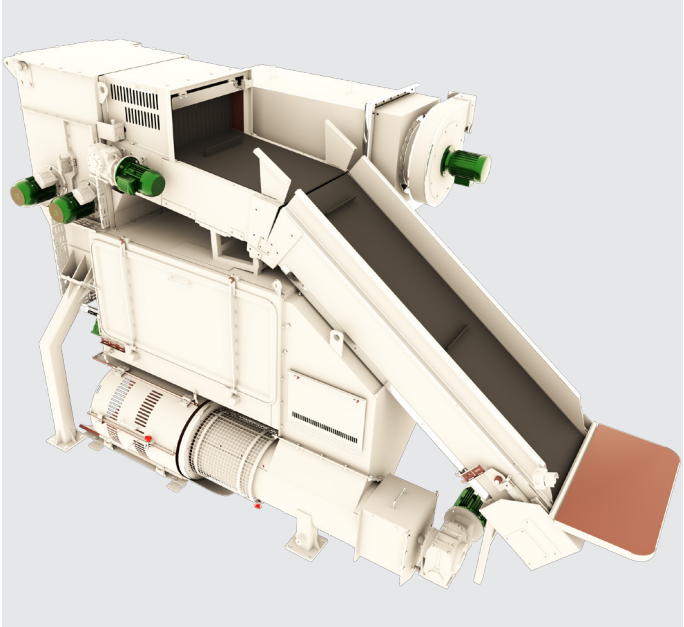
A safety control system ensures safe operation. It meets all relevant health, safety, security and environment requirements for both onshore and offshore production.

Key features

- A built-in dust filtration system enables a dust free operation
- The filters are self cleaning, with a reverse jet cleaning system
- In addition, the SCU allows for dust free replacement of the waste bag.
- The SCU is designed with a number of hatches to allow easy access for inspection and maintenance

Benefits

- 98.5 - 99.8 % factory proven emptying efficiency
- Handles all types of sacks including multilayer- and poly woven sacks
- Fully automated cutting and emptying process
- Durable filtration elements with jet pulsation cleaning
- Easy access for daily operations,



Sack Loading

Easy, safe and efficient loading of sack to the machine.

Technical specifications

Sack cutter cacpacity 1	150 sacks/hr with 98.5 - 99.8% emptying efficiency. These are average values based on factory testing using CalsiumChloride, FLC2000, MilPack and FlowCarb @ 80-100 Hz dosing speeds.
Powder dosing rate to mud hoppers	12.4 - 124 cu ft/h (0.35 - 3.5 m^3/h)
Sack size dimensions, max.	40 x 24 x 10 in (1 000 x 600 x 250 mm)
Sack size dimensions, min.	12 x 12 x 3 in (300 x 300 x 80 mm)
Sack size weights, max.	88 lbs (40 kg)
Sack size weights, min.	33 lbs (15 kg)
Hazardous area classification (according to IEC 60079-10-1)	Non-hazardous. Optional upgrades: suitable for use in zone 1 area.
A-weighted Sound Pressure Level (SPL)	< 80 dB(A). Free field conditions @ 1 m distance from equipment, factory measurement according to ISO 3746
A-weighted Sound Power Level (SWL)	< 93 dB(A). Calculated from measured SPL values.
Materials of construction	AISI 316

Data is subject to confirmation by the manufacturer.