

## Automatic emptying - safe, quick and dust-free



### EMDE Solutions for your industry

Almost all bulk goods can be stored, transported and discharged again with the use of big bags (also called FIBC). Whether antistatic big bags for explosion-sensitive products or shape-stabilized for very light and/or fluidized products - suitable big bags in various sizes are available in almost all variations. For these reasons, the big bag is a transport container widely used in all industries.

In order to simplify handling when emptying big bags, EMDE offers solutions that make manual intervention when emptying no longer necessary. Cutting open the bottom of the big bag is done, depending on the application, with a matched knife system as a knife pyramid, U-shaped knife or rotating circular knife.

We guarantee operational safety by using chain hoist systems from large-scale production in conjunction with position measuring systems for exact positioning to ensure continuous mode operation and thus a rational way of working. In many cases we deliver the emptying systems with an enclosure to minimize dust pollution in the environment and ensure maximum occupational safety for the operator. To dispose of the emptied big bags, we supply compactor systems to ensure effective working methods also at the end of the emptying process.



## Product features

- Fully automatic process right from the attaching of the big bag
- Industry 4.0 ready
- Dust-minimized handling
- Check weighing
- ATEX execution system specifically possible
- Loosen the big bag loops automatically
- For removal: Compaction of the emptied big bag
- On-site control with visualisation and integration in process control system
- Suitable for application in the food industry thanks to the stainless steel design
- Automatic emptying of big bags with inliner, with & without outlet hose possible

## Technical data

- Emptying capacity up to 25 big bags /h
- Big bag weight up to 2,500 kg
- Handling of 4, 2 & 1-loop big bags
- Total process time max. 3.5 min. per big bag
- Lifting speed 2.50/ 10.00 m/min
- Trolley speed 5.0/ 20.00 m/min
- Cutting open big bags with and without outlet nozzle





Cutting open with a rotating circular knife



Cutting open with a U-shaped knife



Cutting open with knife pyramid

## USP - UNIQUE SELLING PROPOSITION

### EMDE Solutions for your industry

- Industry 4.0 ready
- Can be used in all industries
- No operator intervention during emptying
- High emptying performance
- Fully automatic control with visualization and integration in the process control system
- Dust-free solution through housing

### EMDE Group

We offer you an extensive program for mechanical conveying of bulk materials. All components are designed by our experienced sales staff in terms of process engineering and are offered specially tailored to the application. The coordination of the components and processes connected in series is an important prerequisite for the function of the overall system.

**We offer you this complete solution from one source!**

The quality of the conveyor systems and the reliability of the overall system is ensured by the in-house production of all components.

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