



# Case study

## vacuum lifter **ezzFAST** ATEX

overview	
industry / area	food industry
product	bags
weight	25 kg
solution	vacuum lifter <b>ezzFAST</b> in ATEX execution
application	handling of sacks with cutting open and emptying of the sack in suspension

### **description of the handling application:**

In a food production company, various recipes for making pasta are produced in a mixer. For this purpose, the raw materials for the recipes are initially provided in sacks on pallets in the picking area. The fully picked pallets are then placed next to the mixer. The mixer was initially filled by hand. When filling the mixer, products are used whose dust can cause an explosive atmosphere. The work area in the vicinity of the mixer, where these products enter the atmosphere, is classified as a potentially explosive zone<sup>22</sup>.

### **solution through Best Handling Technology:**

The sacks are picked up with the suction cup of the vacuum lifter and held in suspension above the mixer. The operator then cuts the sacks open for emptying. For this process, the lifting tube and the suction device must be specially designed to prevent the sack from being lost. ATEX version: Static charging and the generation of sparks are prevented by the choice of materials and the dissipative connection of the components.

### **decisive advantages for the customer:**

**safety:** It is not possible to drop loads; if the vacuum pump fails, the sack with the suction cup will slowly lower itself.

**productivity:** The intuitive operation, the appropriate lifting and lowering speed and the saving of one work step lead to an increase in the number of cycles.

**ergonomics:** No physical strain, easy moving and positioning of the bags.

