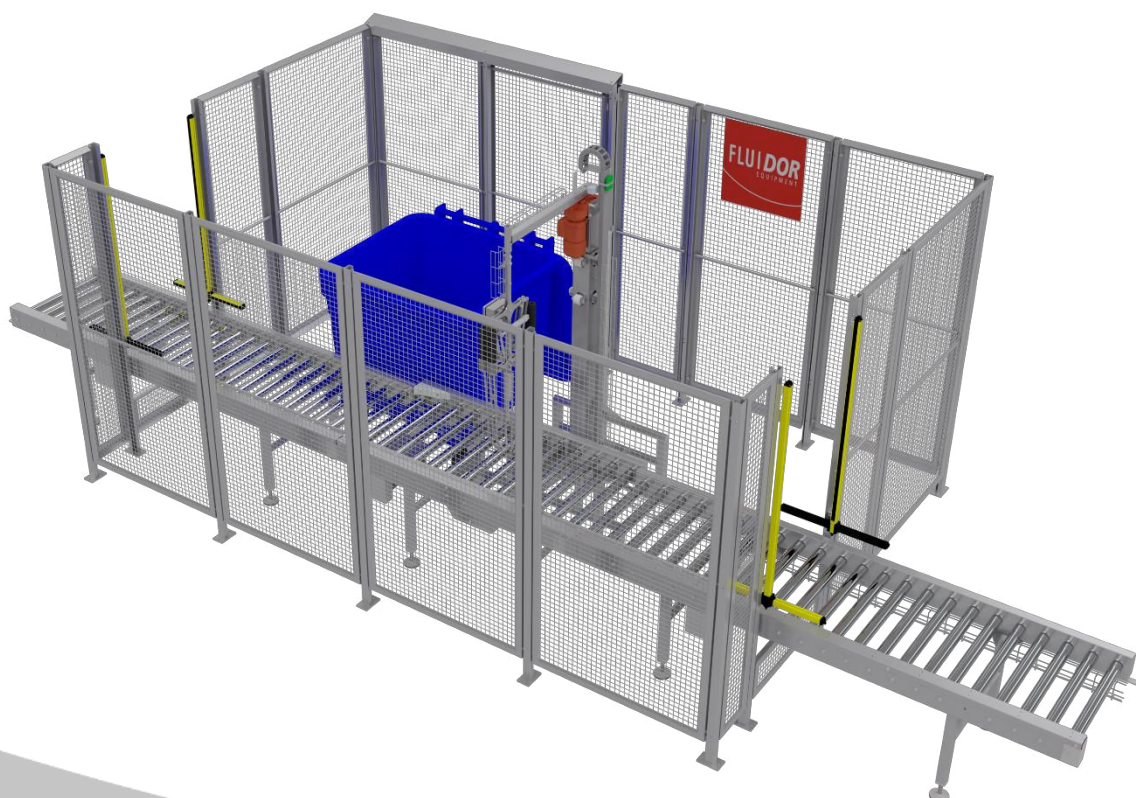


MACHINE SPECIFICATION

Automatic Bag Removal System ABRS



Machine name	ABRS	Manufacturer	Fluidor Equipment B.V.
Publication date	12-1-2026	Address	Ramgatseweg 25, 4941VN Raamsdonksveer, The Netherlands
Version	1.0	Telephone	+31(0)162 581 450

DESCRIPTION

The Automatic Bag Removal System (ABRS) is a stand-alone machine designed for automatically removing bags from drums. The system is enclosed in a protective cage and equipped with safety light curtains to ensure operator safety.

The ABRS uses a gripper mechanism with rubber rollers to securely grip and remove the bags from the drum. Once removed, the bag can be safely disposed of using a suitable disposal method.

This automated process ensures safe, efficient, and consistent bag removal, contributing to improved handling and overall processing efficiency.

DESIGN SPECIFICATION

- According actual CE-regulations
- Developed and build according quality system ISO 9001
- Good Manufacturing Practice Regulation (EC) 2023/2006
- Components according Fluidor standard components list
- Machine control by HMI
- Control cabinet IP55 / NEMA 12 (VX25....., various sizes, AISI 304)
- Module for remote internet access
- Construction + product parts AISI304
- Griprolls NBR
- Height roller conveyor system 700 mm
- The machine is equipped with a PILZ safety system with a safety value of PLd
- Machine is designed to be used 12 hours a day 5 days a week and 52weeks a year with proper maintenance and an expected service life of 20 years

REQUIREMENTS

- Layout (dimensional, utility & requirements drawing) available upon request
- Earthquake area extra fixation needed (Anchors option)

TECHNICAL DATA

EU

USA

- | | | |
|--|---------------------|------------------|
| · Total weight | : 4000 kg | 8820 lbs |
| · Ambient temperature | : 5 - 25 °C | 41 - 77 °F |
| · Relative humidity | : 30 - 70% | |
| · Noise level | : < 85 dB(A). | |
| · IP value (control cabinets + drives) | : IP55 | |
| · Adjustable machine support legs | : 80 -160 mm | 3.15 - 6.3 inch |
| · Dimensions h*w*d: | : 3500*2900*5350 mm | 137*114*210 inch |
| · Installed power | : 10 kW | 13 HP |

CAPACITY

- Depending on drum input: a capacity of 60 drums per hour

PRODUCT INFORMATION

- Product type : empty drums with one bag wrapped around the drum and one bag rolled up at the bottom of the drum

CLEANING

- The griprolls are rinsed every a preset number(recommended 20).
- Every 4 weeks, the machine should be cleaned by hand with factory-accepted detergent.

DRUM SPECIFICATION

EU

USA

- | | | |
|---------------------|------------------------|-----------------------|
| · Dimensions drums: | Width: Ø480 to Ø630 mm | 19.0" to 24.8" inches |
| | Height: 810 to 1000 mm | 31.8" to 39.4" inches |

POWER SUPPLY / CONTROLES

- 3 Phase 400V 50Hz 100A+ neutral + earth, Siemens controls
- 3 Phase 480V 60Hz 80A + earth, Allen-Bradley controls, UL prepared

COMMUNICATION

- PROFINET connections pre- installed at Siemens controls
- Ethernet/IP connections pre- installed at Allen Bradley controls

OPTIONS

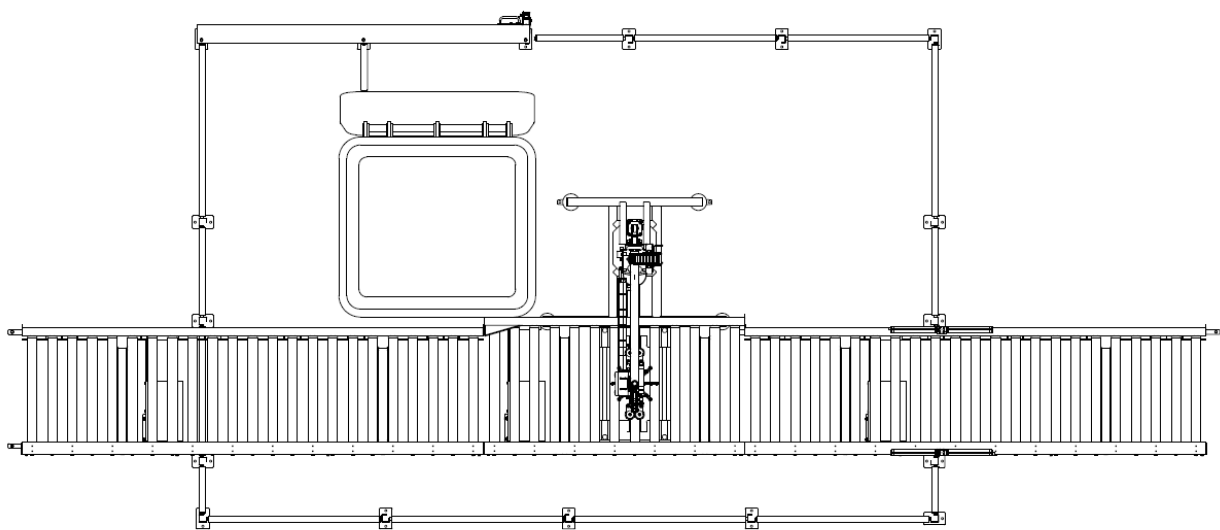
- Product parts in AISI 316
- Expansion for 120 or more drums per hour

PROCESS OPTIONS

The ABRS can be combined with the following Fluidor machines
Machine specification available upon request

- DPRCS
- TBDICS
- DPRICS
- DAPS
- DAPS-SPECIAL

PROJECT LAYOUT EXAMPLE



ANNEXED DOCUMENTS

- Machine Lay-out
- Machine P&ID
- Fluidor standard components

GENERAL INFORMATION

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