

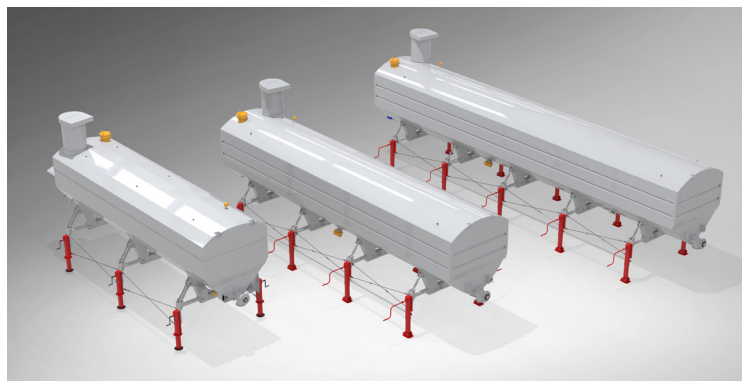
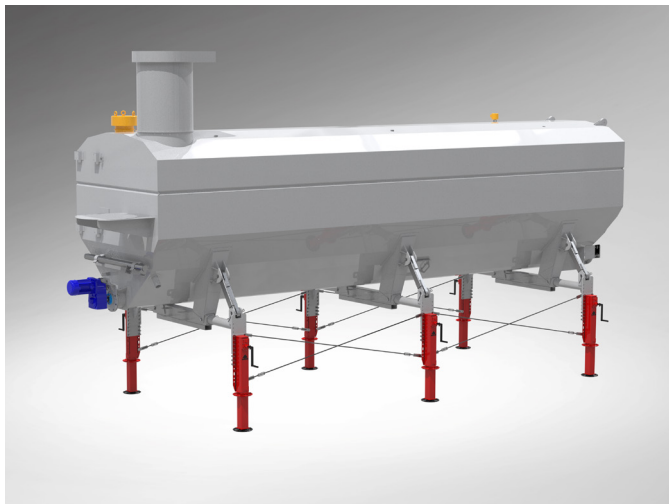


HORIZONTAL STEEL SILO BKHS

STORAGE



Storage silos are basic devices that are elements of industrial installations and are used to store bulk materials. Traditionally, vertical silos are used and are widely known, but in recent years an innovative solution has appeared - horizontal silos, which have also become mobile devices. For mobile concrete plants or other temporary projects that require flexibility and quick operation, a horizontal cement silo is an excellent solution. Moreover, horizontal cement silos retain all the basic functions of traditional vertical silos.



MOBILE (HORIZONTAL) SILOS ARE USED IN SITUATIONS WHERE:

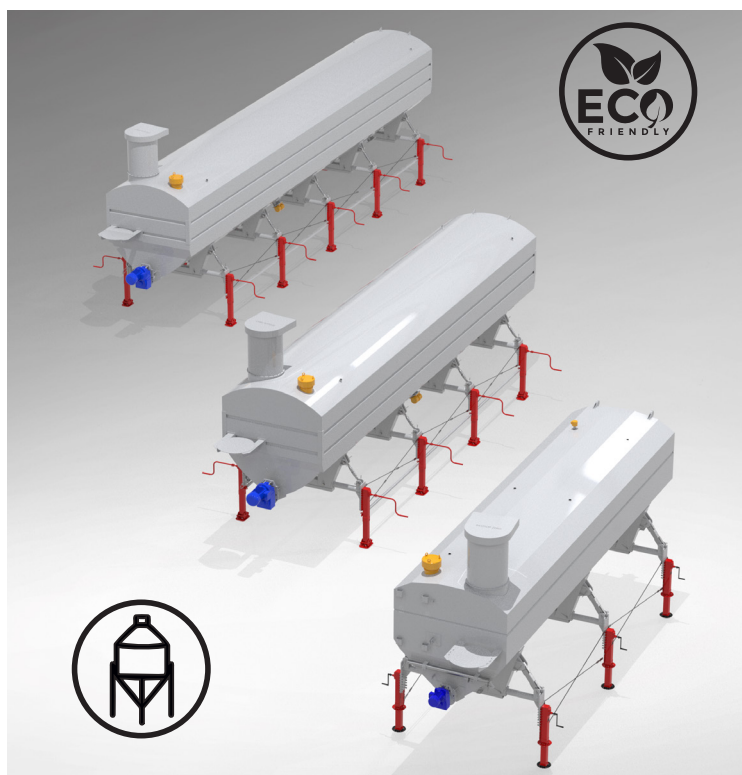
- the industrial installation project being implemented has limitations as to the building height
- frequent and quick relocation of silos is planned, if they need to be transported, they can be loaded onto a truck and transported without the need to use cranes and heavy equipment
- when there is a need to install a storage tank and obtaining a building permit is impossible or very difficult
- when the construction of a silo must be done very quickly, without the need to use heavy equipment, etc.
- when it is not possible to build a foundation and connections to the ground
- when one device is to perform storage and dosing functions

BIKO-SERWIS

The history of horizontal silos is not new and dates back several decades. Initially, these were relatively small structures used to store bulk materials in small quantities. Over the years, and with the development of technology and the increase in demand for mobile solutions, horizontal silos have become more popular and available on the market. Currently, they are one of the commonly used types of silos. Horizontal silos are constantly evolving with technological progress.

The mobility of a horizontal silo involves the ability to easily move the silo from one place to another. Horizontal silos can be easily transported using appropriate devices, such as car semi-trailers.

Special cranes are not needed to set up a horizontal silo. A horizontal cement silo requires a level surface, but it does not necessarily have to be mounted on foundations. Special pads can be used to ensure stability and balance. This is important when it comes to quick implementation of an industrial installation without the need to obtain long and expensive building permits.



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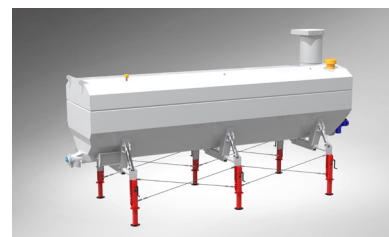
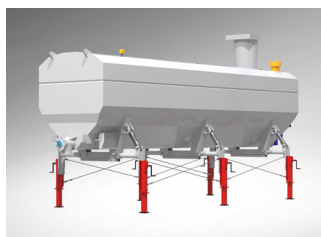
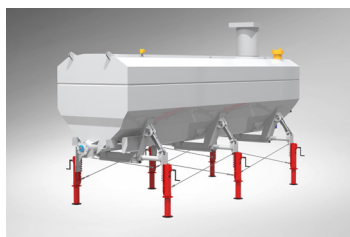
MOBILNE SILOSY POZIOME BKHS

MAGAZYNOWANIE MATERIAŁÓW SYPKICH



DESTINY:

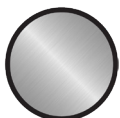
In Biko-Serwis horizontal silos, we can store loose materials with similar physico-chemical properties, e.g. cement, lime, fly ash, sand, meals, powders, dusts, construction mixtures, filling materials, plant seeds and grains, and food granules.



PRODUCTION MATERIALS:



CARBON
STEEL
S235 / S355



STAINLESS
STEEL
AISI 304



ACID-RESTTANT
STEEL
AISI 316



TEMPERATURE:

DEVICE OPERATION:
-10 / +40 °C
MEDIUM: <60 °C



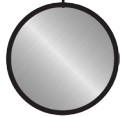
FINISHING OPTIONS:



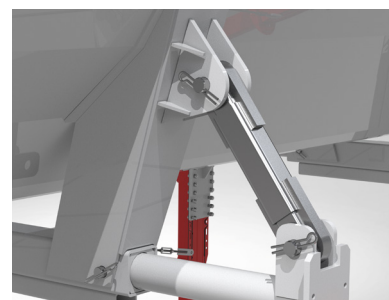
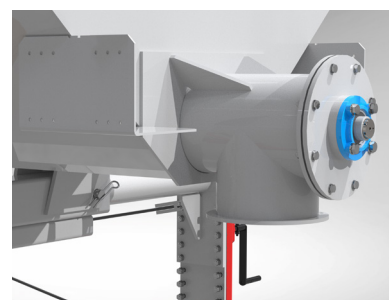
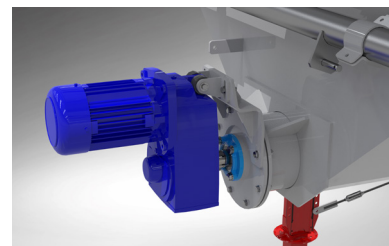
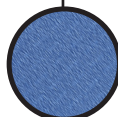
PAINTING
EXTERNAL
(RAL COLORS C3-C5)



APLICATION
OF ANTI-ABRASION
SUFRACE



INTERIOR CLADDING:
- STAINLESS STEEL AISI 304 / 316
- POLYETHYLENE / POLYPROPYLENE / POLYAMID



The horizontal silo can be emptied with a specific (adjustable) capacity in the range of 0-40 m³/h thanks to the use of an inverter driving the screw conveyor. This enables precise dosing and control of the amount of material.

Horizontal silos are most often used in the construction industry, especially in mobile concrete plants. They are ideal for storing cement or other bulk materials that make concrete production possible.

Horizontal silos are used all over the world, but their popularity may vary by region and market. They are most often used in countries with a developed construction and infrastructure sector.



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MOBILNE SILOSY POZIOME BKHS

MAGAZYNOWANIE MATERIAŁÓW SYPKICH



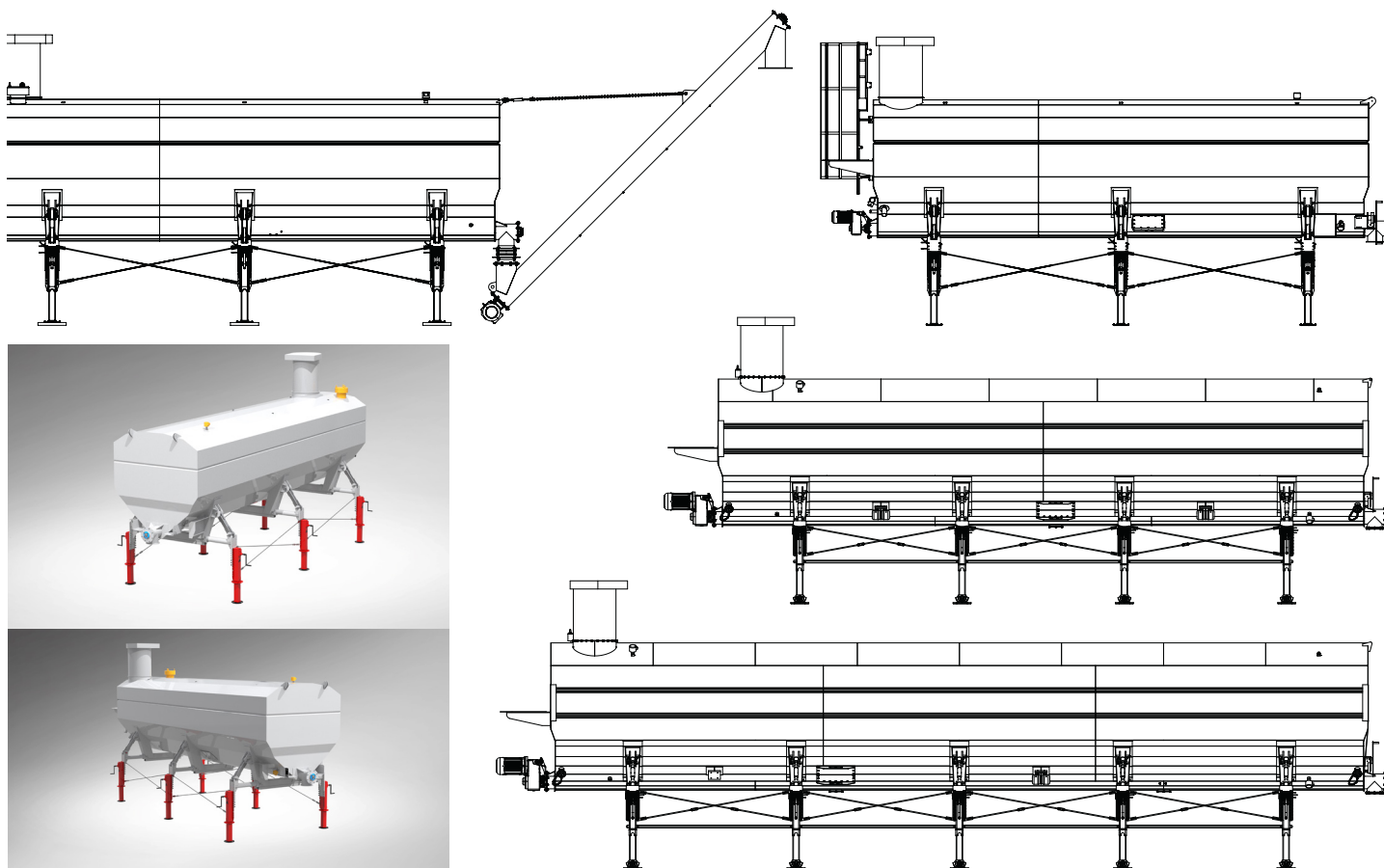
STANDARD EQUIPMENT OF A HORIZONTAL SILO:

- charging port for pneumatic transport
- VCP breathing valve
- SILOTOP silo dust collector with mechanical regeneration
- SIEMENS minimum and maximum level sensors
- inspection hatch
- unloading auger
- possibility of transport using a car semi-trailer, the so-called open platform
- foldable support feet

EXTENDED EQUIPMENT OPTIONS:

- additional SIEMENS minimum and maximum level sensors mounted in the silo roof (maximum 6 pieces)
- unloading support elements installed on the discharge hopper
- OLI electric vibrators or OLI pneumatic hammers
- IFM selector screw rotation sensors
- drive inverter enabling change of the rotation speed of the screw
- full automatic operation of the silo and its control
- installation of an additional transport screw outside the horizontal silo

MODEL:	CAPACITY:	DIMENSIONS:	NUMBER OF SUPPORT LEGS:	BUILDING AREA:	SELECTING SCREW PERFORMANCE:
BKHS 40	40 m ³	L:10 478 D: 2 462 H: 2 998 mm	6 pcs	30 m ²	40 m ³ /h
BKHS 60	60 m ³	L:13 443 D: 2 462 H: 2 998 mm	8 pcs	35 m ²	
BKHS 75	75 m ³	L:16 443 D: 2 462 H: 2 998 mm	10 pcs	42 m ²	



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