



# Bin with lifting screw conveyor - 9266



## Specifications

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- Material: Manufactured in carbon steel and painted in RAL color according to customer requirements
- Manufactured with legs - ready to be installed on site
- Flange connection between screw conveyor and the bin - easy to uninstall
- Completely closed design in the bottom - to avoid emissions

#### Additional Information:

Product type:	Screw conveyor, Silo / bin
Industry:	Recycling
Transported material:	Bulk material, Powder
Applied steel in product:	Carbon steel
Surface treatment:	Carbon steel – painted



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## Short Description

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3 m<sup>3</sup> bin with a Ø135 mm lifting screw conveyor. The lifting screw conveyor acts primarily as an extraction screw conveyor for the bin. In this particular case, the bin is manufactured as an inverted pyramid. The inlet to the screw conveyor has a quite small area, which avoid blocking of the screw conveyor. Such a solution is only working well if the material flows easily.

## What is the advantages of a bin with an extraction screw conveyor?

1. You get the material out of the bin and lifted to the required height in one process.
2. The screw conveyor can lift the material in a steep angle
3. When you use a screw conveyor you can close the hole system and avoid emissions

Design of a bin with lifting screw conveyor depends strongly on the actual situation. It also depends on the material you put in the bin. In this case it must be easy flowing – otherwise there is a risk of bridge building with the selected design of the bin.

The connection to the bin goes via a flange connection in the bottom of the bin. This makes it easy to uninstall the screw conveyor. This design has been done in cooperation with the customer who ships the solution all over the world.

Summing up on this solution, it has the following key points:

- It is used for storage and lifting of the material
- The inlet to the screw conveyor has a small area which require a smaller gear box
- The screw conveyor is easy to uninstall for easier transportation

See other examples of BEMA bins with a screw conveyor:

**Solution for recycled material**

**Solution for food material in stainless steel**