



CASE STUDY

TRANSPORT OF PLASTIC WASTE WITH NERAK WB640

A leading company in the recycling and plastics processing sector

is specialised in plastic recycling and operates modern processing plants for plastic waste. In particular,

so-called "fluff" – light, bulky plastic residues – must be moved reliably and gently within the production and conveyor systems. Robust, low-maintenance conveyor technology is crucial to ensure the continuous recycling process.

The Challenge

Transport bulky, lightweight plastic waste reliably

Fluff places special demands on conveyor technology:

- very light and bulky, prone to swirling and blockages
- abrasive, can cause long-term wear
- variable bulk density and high flow rates require stable conveying performance

- transport across multiple levels, sometimes vertically, at high throughput

The goal was a system that transports fluff continuously, gently, and reliably, while being low-maintenance and allowing for long-term continuous operation.



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The Solution

NERAK WB640 inclined bucket conveyor – robust, powerful, and gentle on materials

The NERAK WB640 inclined bucket conveyor offers the ideal solution for this challenge:

- gentle intake and careful transport of bulky material without blockages
- high conveying capacity, even with light, swirling material
- robust construction for abrasive materials and continuous operation

- flexible adaptation to conveying height, angle, and space constraints

- low maintenance, durable components for reliable operation

The compact design allows integration into existing recycling plants, even in confined spaces.



Reliable transport
of bulky, lightweight plastic waste



Gentle material flow
without blockages or material loss



High throughput
in continuous operation



Abrasion-resistant
and durable for abrasive materials



Flexible adaptation
to conveying height, angle, and plant layout



Low maintenance,
ideal for continuous operation in recycling processes

Do you have questions?

LET'S TALK

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