



CASE STUDY

PRECISION BULK MATERIAL CONVEYING FOR HIGHLY SPECIALIZED PRODUCTION PROCESSES

The Challenge

Safe, flexible, and space-efficient conveying of bulk materials

The production plant processes sensitive powders and granulates, including cryolite powder, which is used in the abrasives, ceramics and steel industries, among others.

The key requirements:

- Continuous conveying of bulk material from multiple feeding points to a central discharge

- Space-efficient integration into an existing production hall
- Gentle transport without material loss or contamination
- Smooth conveying across multiple levels without transfer points
- High availability for 24/7 operation



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The Original since 1987.

The Solution

NERAK WB250 Z & WB300 Z – continuous bucket conveyors in minimal space

Our customer relies on two NERAK inclined bucket elevators (WB250 Z and WB300 Z), which reliably transport the cryolite powder through the production process – horizontally, vertically and at an angle, without any additional transfer points.

Performance at a glance:

- Continuous operation for multi-stage systems

- High conveying capacity
- Gentle transport using flexibly mounted buckets on rubber block chains
- Suitable for sensitive, dusty, or hard-to-handle materials
- Compact design – ideal where installation space is limited



Space-saving integration into existing infrastructure



Reliable continuous operation for ISO-certified production



Gentle handling of micron-fine powders



Easily scalable for future system upgrades



Multi-level conveying without transfer points



Greater process stability compared to conventional systems

Do you have questions?

LET'S TALK

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