



## CASE STUDY

# VERTICAL CONVEYING TECHNOLOGY FOR EFFICIENT HOUSEHOLD APPLIANCE PRODUCTION

The company is one of the global market leaders in high-quality household appliances – from washing machines and dishwashers to refrigeration units. At numerous production and logistics sites worldwide,

the manufacturer relies on highly automated material flows that demand maximum availability and the highest process stability.

## The Challenge

Different components, sensitive surfaces & high throughput

In the production of modern household appliances, thousands of components are handled daily – from plastic parts and metal housings to delicate electronic modules.

Requirements:

- gentle handling of sensitive, sometimes painted surfaces
- secure vertical transport between production areas across multiple levels

- high cycle rates in tightly scheduled production lines
- space-saving integration into existing factory layouts
- maximum availability despite continuous operation in multi-shift systems

Conventional conveyor systems did not offer the necessary flexibility for varying component sizes or the surface sensitivity of many parts.



**It's a NERAK.**  
The Original since 1987.

# The Solution

NERAK vertical conveyors – compact, quiet & gentle on materials

NERAK vertical conveyors are used in the production and logistics lines – ideal for vertical transport in multi-level manufacturing structures.

Advantages of the systems deployed:

- low-contact conveying technology, ideal for sensitive, painted, or pre-assembled components
- flexible adaptability to different component sizes and changing transport carriers
- compact design, perfect for already densely built production areas
- quiet operation, improving the ergonomic working environment in assembly
- extremely low maintenance requirements thanks to the durable NERAK rubber block chain

By reliably connecting various production stages vertically, the manufacturer achieves a stable, continuous material flow – crucial for high production quality and short throughput times.



**Gentle transport** of sensitive components without surface contact or damage



**High process reliability** with large quantities and varying product dimensions



**Space-saving integration** into vertical production and logistics concepts



**Low maintenance costs** thanks to wear-resistant rubber block chain



**Quiet operation** for an improved working environment in assembly and production



**Scalable solution**, easily adaptable to new production lines or product generations



**Reliable continuous operation**, ideal for highly automated multi-shift factories

Do you have questions?

# LET'S TALK

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