



Produktneuheiten

## **Poeth has designed its new AirConveyor**

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Poeth announces the AirConveyor for 40% more energy efficiency and 75% less maintenance when transporting powders and granulates. Poeth has designed its new AirConveyor specifically for companies that want to transport powders, pellets and granulates cost-effectively and efficiently. This innovative system offers companies 75% less maintenance costs after approx. 3 years operating time and consumes 40% less energy. The air-supported conveying system from Poeth is suitable for damage-free transportation of bulk goods over short or extremely long distances. The AirConveyor generates low noise emissions and is dust-tight. As a result, the new conveying system from Poeth also has a minimum impact on the environment.





**Powerful air cushion supports the conveyor belt without the need for rollers** Poeth has developed a new and efficient generation conveying systems where the conveyor belt floats on a cushion of air. **Poeth's AirConveyor** features a perforated channel and compact, specially designed fans. By providing a constant supply of exactly the right quantity of air, **Poeth** has succeeded in creating a powerful air cushion directly under the conveyor belt in its new conveying system. This powerful air cushion makes it possible to raise the conveyor belt, along with the bulk goods it carries, and keep it airborne based on the same principle as that used by a hovercraft.





Only one conveyor roller, located in the drive, tensioning and belt return station, is needed to set the conveyor belt in motion. **Poeth's new AirConveyor** eliminates 95% of all moving parts in comparison to traditional belt conveyor systems. As a result, **Poeth's AirConveyor** generates far less friction. This makes the air-supported conveying system 40% more energy-efficient and significantly reduces noise emissions (<80dbA). Fewer moving parts result in much less maintenance and negligible conveyor belt wear. Fewer rotating parts also provide less heat and less risk of exposures. The **AirConveyor** is suitable for extreme circumstances and difficult to reach places. This also makes the new AirConveyor extremely reliable and cost-efficient.



**Homogeneous, damage-free conveying over long distances** The new belt conveyor from **Poeth** is suitable for transporting raw materials in the feed, food, chemical and bulk industries. The **AirConveyor** is used to transport a wide variety of products such as salt, sugar, cereals, seeds, animal feed, biomass, coal, ore, sand and gravel. The advantage of belt conveyors is that they transport products without agitating them. Consequently, the new AirConveyor from Poeth is ideally suitable for conveying fragile, explosive and sticky raw materials without risking separation. The new **AirConveyor** is capable of high-capacity transportation (3 m<sup>3</sup>/hour – 2000 m<sup>3</sup>/hour), both horizontally and vertically. Poeth offers its **AirConveyor** as an enclosed, dust-tight system for both indoor and outdoor application. The **AirConveyor** is also available according ATEX and Food Grade guidelines (FDA, EC 1935/2004 and 3.1B material certificates).