

# VIBRATING CONVEYORS

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## VIBRATING CONVEYORS

The vibrating conveyors may carry most of the materials, since powdered materials to rocks up to 1 meter in diameter, with a very low wear and low maintenance.

The transport of materials is produced by straight micro-oscillations. The material is transported jumping through the air most of the time, producing minimal wear and deterioration of the tray and / or the wear plates.

With no mechanical devices inside the tray of the vibrating conveyors, materials have a long life and minimal maintenance.

Transportation by vibration is very smooth and gentle with the material, producing minimal degradation in materials.

The vibrating conveyors can be supplied watertight in order to prevent leakages of material and protect the environment.



### Principal features in the vibrating conveyors:

- Light / heavy duty design in depending on the application
- Minimum wear and deterioration
- Reduced maintenance
- Multiple configurations:
  - Tray made in carbon steel ST-44.2, ST-52.3, stainless steel, wear steel
  - Covering: wear plates, nonstick, stainless steel, polyethylene, polyurethane, rubber antiabrasive.
  - Supported or suspended by rubber silentblocks or coil springs.
  - Open tray, closed with a cover, sealed, tubular ...
  - Several units can be mounted, one after other.

The vibrating conveyors depending on the drive can be:



- With electromagnetic drive
- With electromechanical drive (unbalanced motors)
- Unidirectional (feed in one direction)
- Bidirectional (feed in one direction or the opposite)
- Own or natural frequency
- Eccentric and connecting rod drive
- Unbalanced motors drive
- Pneumatic drive



## Dartek® vibrating pipes.

- Optimized design, simple, effective and economical.
- Unbalanced motors first mark and low power consumption.
- Completely whater tight.
- The special design makes them very little wear.
- Very smooth operation.
- Very easy assembling.
- They can be placed with positive or negative slope.
- Maintenance is very low being free of internal friction.
- Isolation of vibration guaranteed over 95%.
- Can be placed in the outlets download gates automatically applied.
- Can be manufactured in mulyple materials:
  - > Carbon steel.
  - > Wear steel.
  - > Stainless steel.
  - > Refractory.
- Reduced space.
- Can be easily hanger in order to save obstacles in the process.



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