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Resonance Conveyor System Series *FlexiLink*



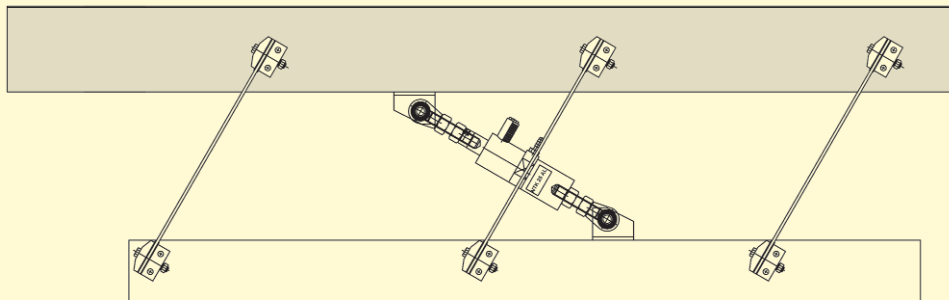
- High conveying performance by use of spring resonance
- Low air consumption
- Immediate starting and stopping
- Low unit weight





Resonance Conveyor System Series *FlexiLink*

Netter resonance conveyor systems in the FlexiLink series consist of:



A conveyor trough,
manufactured either by
the client or as per the
client's requirements

blade springs,

a pneumatic linear vibrator
series NTK with
the *FlexiLink*
connecting element

and the counter-weight
(frame/floor)



Applications

Conveyor systems series *FlexiLink* serve to convey bulk material efficiently and gently.

Design and functioning principle

The feeder system consists of a pneumatic linear vibrator series NTK, blade springs and the *FlexiLink* connecting element.

This system uses the natural resonance of the springs in order to convey bulk materials. Once the trough starts to vibrate at the resonance frequency, very little additional energy is required to maintain the vibration. Even with varying loads, the trough continues to vibrate in resonance.

The amplitude can be adjusted by means of an optional exhaust throttle.

In addition to driving classic feeder troughs, the *FlexiLink* system can also be used to drive spiral feeders. The blade springs are then arranged in a circle in order to

accommodate the spiral feeder.

In addition to the standard versions, customized variants series *FlexiLink* are also available. Furthermore, all components can be supplied separately.

Permissible operating conditions:

Drive Medium:

Compressed air or nitrogen (filter $\leq 5 \mu\text{m}$), preferably with oil mist

Operating pressure:

2 bar to 6 bar

Ambient temperature:

5°C to 60°C

NetterVibration offers the accessories required for the mounting, installation, control and monitoring of vibrators and impactors.

Netter provides solutions.

Consult our experienced application technicians.

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