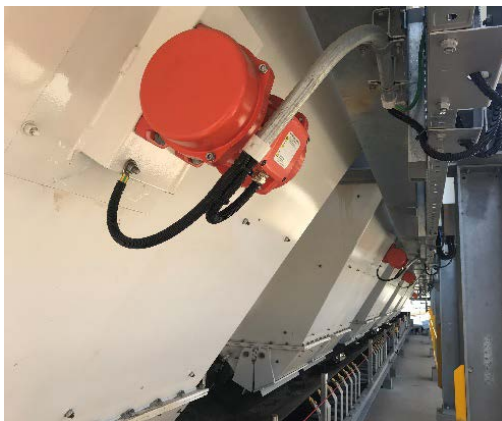
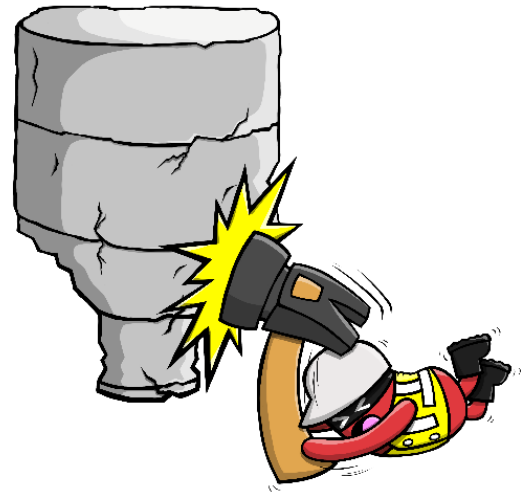


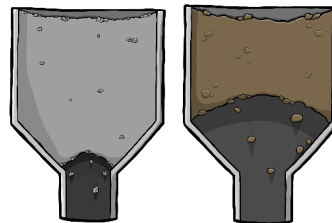
Industrial Vibrators

The storage of Powder and other granule bulk materials has the tendency to stick to surfaces such as silos, hoppers, chutes and loading trucks/trailers. This often results in material flow problems such as **bridging, ratholing, clinging and arching**.

Our range of **Industrial Vibrators** provide a simple, high quality and cost-effective solution for the prevention and rectification of material flow problems in all bulk materials handling industries whilst maximising efficiency, productivity and safety.



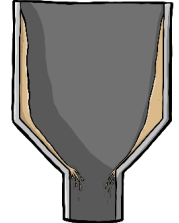
BRIDGING & ARCHING







RATHOLING



CLINGING






PNEUMATIC LINEAR VIBRATORS




PHOTO	SERIES	APPLICATIONS	POWDERS	FEATURES	BENEFITS
	SINGLE IMPACT PS	Silos, storage systems, hoppers.	Hygroscopic powders: flour, detergents, phosphates, fertilisers, lime, cement, clay, pigments.	High impact strength solves bridging or ratholing problems. Atex II3D c T85 °C (available with only pneumatic activation).	Economical. Low air consumption. Efficient. Zero impact on silo structure. Multi-voltage. Integrated solenoid valve. Timer.
	CONTINUOUS IMPACT P	Silos, hoppers, piping, salt spreaders, dump trucks, rail cars.	Hygroscopic, humid powders: sludge, aggregates, sand, salt, foundry sand, animal feed.	Sturdy, compact heavy-duty design, high temperature applications. Atex II2G c Tx Atex II2D c Tx	Economical. Low air consumption. Efficient. Suitable for high temperature and outdoor applications.
	CUSHIONED K	Silos, hoppers, piping, tanks, compacting, vibrating feeders, tables and channels.	Hygroscopic or dusty powders, granules: animal feed, aggregates, plastics, foods.	Suitable for food or chemical applications. Suitable for dusty environments. Atex II2G c Tx Atex II2D c Tx	Economical. Silent. Low air consumption. Easy to install.
	ADJUSTABLE F	Hoppers, chutes, vibrating feeders, tables and channels.	Hygroscopic or dusty powders; granules.	Alternative option to K. Compact design. Available in different shapes and casing materials. Threaded shaft for amplitude and force adjustment. Atex II2G c Tx Atex II2D c Tx	Economical. Silent. Low air consumption. Easy to install. Adjustable force and vibration frequency.

Industrial Vibrators


PNEUMATIC ROTARY VIBRATORS

PHOTO	SERIES	APPLICATIONS	POWDERS	FEATURES	BENEFITS
	BALL VIBRATORS S	Silos, hoppers, piping, chutes, compacting.	Dry powders: granules, plastics, sand, ashes, cement, lime.	Filter sleeve cleaning. Suitable for outdoor use. Resistant to oxidation. Atex II2G c Tx Atex II2D c Tx	Economical. Low air consumption. High frequency vibration.
	ROLLER VIBRATORS OR	Silos, hoppers, piping, chutes, concrete compaction.	Hygroscopic powders: cement, concrete, sand, foundry sand.	Compact and robust design. Suitable for outdoor use. Resistant to oxidations. Atex II2G c Tx Atex II2D c Tx	High centrifugal force. Low air consumption. High frequency vibration. Suitable for high temperature.
	TURBINE VIBRATORS OT	Silos, hoppers, piping, chutes.	Food powders: sugar, bicarbonate, phosphate, sodium.	Suitable for food and pharmaceutical applications. Resistant to oxidation. Atex II2G c Tx Atex II2D c Tx	High centrifugal force. High frequency vibration. Lubrication free. Silent. Low air consumption.

ELECTRIC VIBRATORS

PHOTO	SERIES	APPLICATIONS	POWDERS	FEATURES	BENEFITS
	DIRECT CURRENT MVE-DC	Automotive, hoppers, salt and manure spreaders, dump trucks, concrete pump grids.	Granular powders: concrete, fertilizers, corn, soy, rice, seeds, salt, sand.	Stainless steel covers. DC Motor 3,000 RPM 12V-24V. Centrifugal force from 50 to 1500Kg.	Economical. Robust. Safe. Terminal box connection sealed (option). Adjustable force.
	2 POLES MVE	Silos, hoppers, dispensers, agitators, mixers, filter cleaning, vibrating feeders and tables.	Fine and dry powders, granules: cement, flour, grit, sugar.	Suitable for indoor and outdoor use. Centrifugal force from 60 to 800Kg. Atex II2D T100 °C.	Economical. Wide range. Special windings for different geographical areas. Adjustable force.
	2 POLES MICRO MVE-MICRO	Small hoppers, micro-screens, chutes, vibrating feeders tables and channels.	Fine, dry powder: plastics, sugar, bicarbonate, seeds.	Compact, uni-body, heavy-duty design. Centrifugal force from 3 to 41Kg. Atex II2D T100 °C.	Economical. Easy to install. Single phase cable with built-in capacitor. Adjustable force.

HYDRAULIC VIBRATORS

PHOTO	SERIES	APPLICATIONS	POWDERS	FEATURES	BENEFITS
	HYDRAULIC VIBRATOR MVO	Dump trucks, agricultural equipment, digging buckets, pipeline padder equipment, construction equipment.	Hygroscopic, wet, sticky and granular powder: clay, fertilizer, manure, sludge, aggregates.	Continuous duty. Working temperature from -20 to 60 °C (from -4 to 140 °F). Centrifugal force from 208 to 830 Kg. Speed from 3.000 to 6.000 rpm.	Robust. Safe. Easy to install. Compact design. High Force.