

PBC SERIES · PENDULUM BUCKET CONVEYOR

Lift fragile product without breaking it.

The PBC Series carries grain, nuts, salt, sugar and other granular products in freely suspended buckets. Horizontal run, vertical lift and discharge happen on one continuous chain loop driven by a single motor. Product is loaded once and discharged once — no transfers, no chutes and no cascading in between.



Gentle on the product

Buckets hang level along the whole path and tip only at the discharge. With no transfers or chutes in between, the product is not dropped again on the way — less breakage, fewer fines.



Horizontal and vertical in one machine

One closed loop moves product along the floor, up to 25 m of lift, and out at the top. A single drive replaces three separate machines.



Made for frequent changeovers

Buckets invert fully and self-empty at discharge, so little is left behind between runs — an advantage on lines that switch product several times a day.



Food-grade contact materials

Every part in contact with the product is made from food-grade material, and the matching material test reports are supplied on request.

TYPICAL PRODUCTS



Grains & cereals



Rice, seeds & pulses



Nuts & dried fruit



Salt & sugar



Snacks & confectionery



Feed & pet food



Coffee & cocoa



Plastic granules

Suitable for free-flowing granular and small-piece products. Not suitable for liquids or slurries.

10–20 m³/h
THROUGHPUT

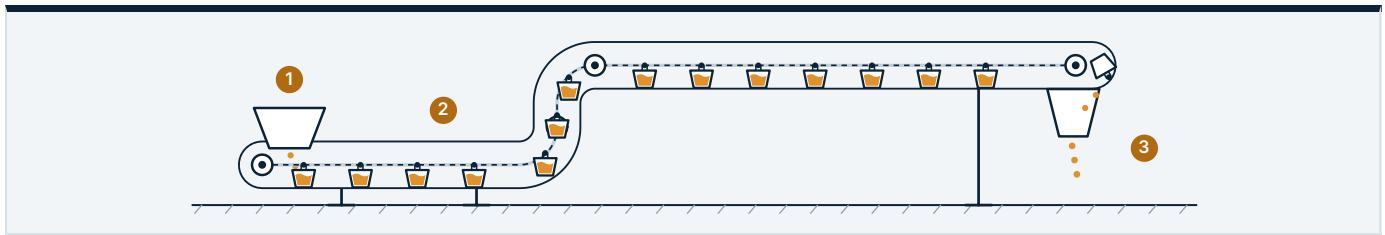
25 m
MAX. LIFT HEIGHT

30 days
LEAD TIME, EX-WORKS

3 yrs
CORE-COMPONENT WARRANTY

One bucket, from infeed to discharge

Follow one bucket from floor level to discharge height and you have the whole machine.



- 1 Loaded once**

Product is fed into the bucket at floor level and stays there until discharge.
- 2 Carried level**

Pivots between two chains hold the bucket flat along the floor, round the corner and up the lift.
- 3 Tipped out whole**

The bucket turns fully over and empties itself, so little is left behind between runs.

Technical data

MODEL	LAYOUT	THROUGHPUT	MAX. LIFT HEIGHT	DRIVE POWER	BUCKET MATERIAL
PBC-Z4L-S	Z-type	10–15 m ³ /h	25 m	1.1–4 kW	ABS / PE / PP / 304 SS
PBC-Z6L-S	Z-type	15–20 m ³ /h	25 m	1.1–4 kW	ABS / PE / PP / 304 SS
PBC-C4L-S	C-type	10–15 m ³ /h	25 m	1.1–4 kW	ABS / PE / PP / 304 SS
PBC-C6L-S	C-type	15–20 m ³ /h	25 m	1.1–4 kW	ABS / PE / PP / 304 SS

Drive power depends on the lift height and the duty of the line; the exact rating is confirmed with the layout drawing.

Features in detail

DRIVE AND CONTROLS

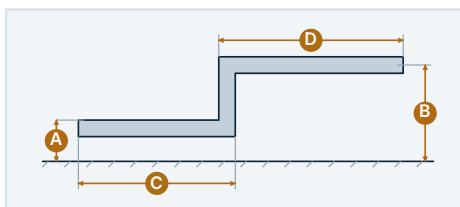
- Schneider switches, Inovance VFD
- GUOMAO geared motor as standard
- Stall, backstop and product sensors
- Voltage built for your region

CLEANING AND ACCESS

- Buckets lift out without tools
- Service doors open without tools
- Catch tray under the tail as standard
- Chain runs without lubrication

BUILT TO YOUR LINE

- Infeed and discharge to your drawing
- 4 or 6 litre buckets
- Shipped in sections, ready to lift in
- 3-year core-component warranty, English manuals



Four numbers are enough to quote

- A** Infeed height above floor

C Horizontal run at the infeed
- B** Discharge height above floor

D Horizontal run at the discharge

**Send Us Four Numbers.
We'll Send Back a Layout and a Quote.**

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