

PENDULUM BUCKET CONVEYORS

Continuous
Horizontal
Vertical
Movement



N | E | R | A | K

DESCRIPTION

NERAK Pendulum Bucket conveyors are designed to carry bulk materials from infeed(s) via horizontal, vertical or inclined intermediate sections- to one or more discharge location. The separate buckets can distribute product as required.

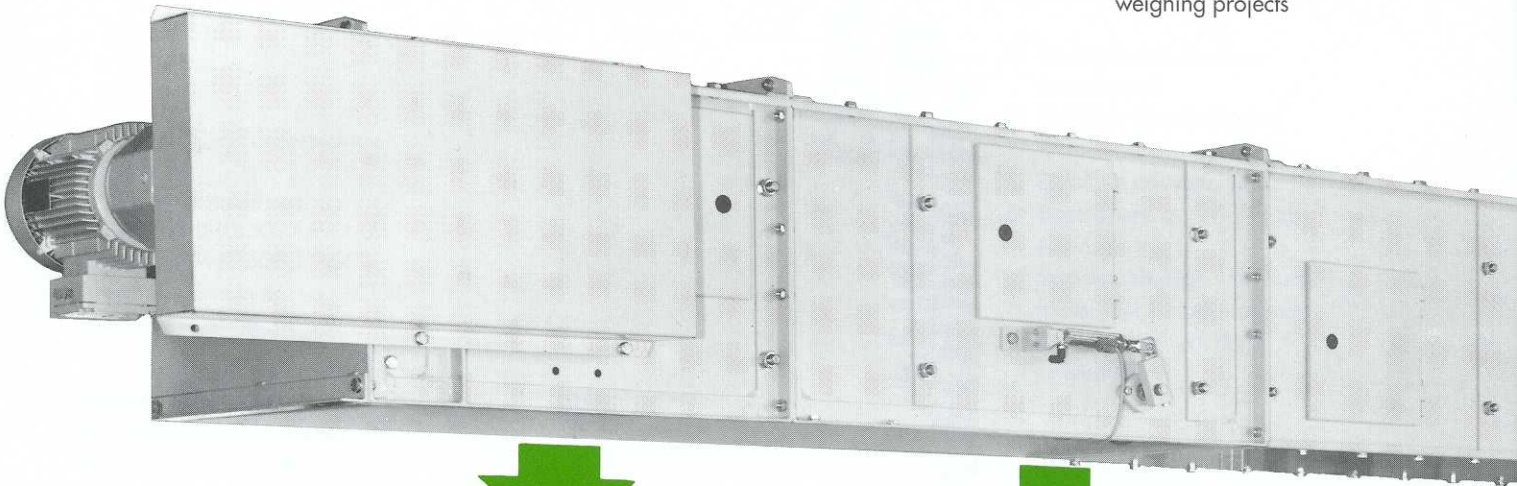
action of pneumatic or electric controls at the required discharge position.

The well developed system with the toothed rubber chain as the driving medium is ideal for the careful handling of delicate foodstuffs and equally for the conveying of abrasive coarse material as used in the construction industry. Conveyor structures are compact and allow adaption for installation in restricted areas. Large throughputs can be achieved with low power consumption.

STRUCTURES

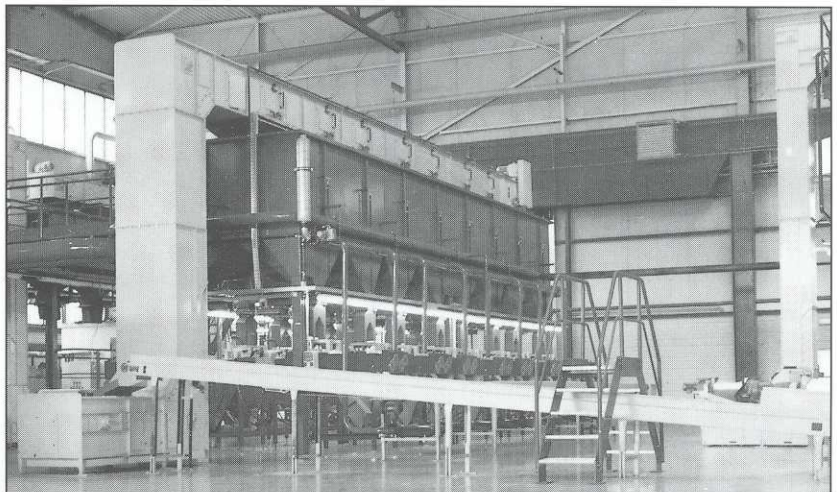
NERAK pendulum bucket conveyors are available in various designs in mild steel painted or stainless steel.

- Totally enclosed robust construction with standard and special profiles to suit heavy duty applications.
- Open construction with safety panels in solid or mesh materials. These allow internal visibility and access for easy cleaning with steam or special fluids
- Special designs for the food industry are available which are ideal for conveyors involved in packaging and weighing projects



The NERAK multi-tip system provides smooth, silent running of the bucket belt and gentle handling of the product.

The product is fed into the moving bucket belt at a controlled rate, conveyed and discharged by the



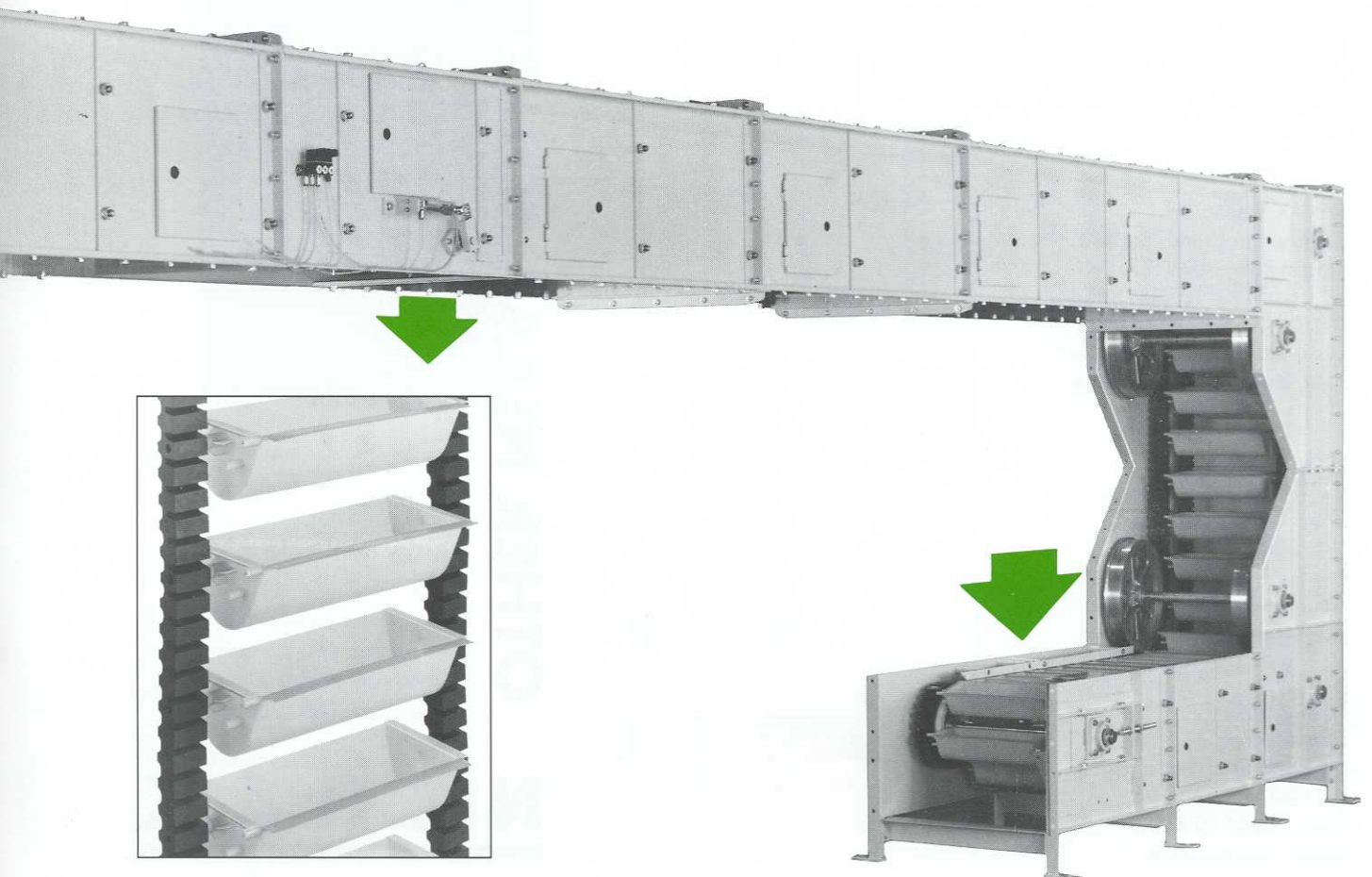
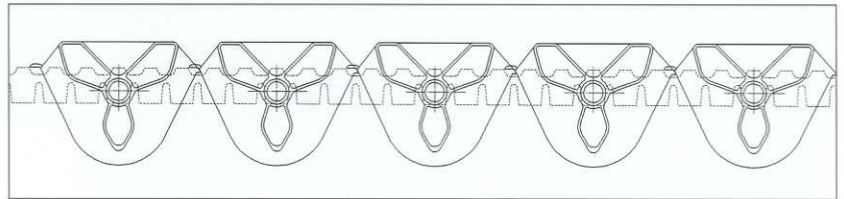
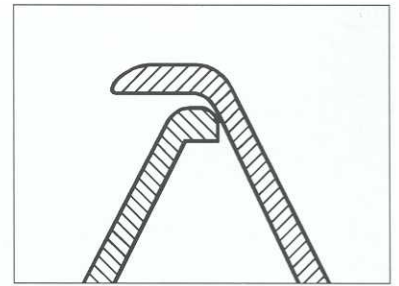
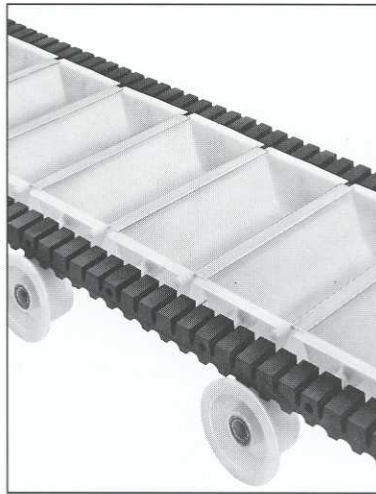
NERAK

BUCKET BELT

The polyamid buckets have ball bearings each side ensuring easy tipping and allowing continuous movement.

The buckets are suspended by two parallel rubber toothed chains which incorporate internal steel cables for tensile strength. The chains are available in black or white food quality rubber.

The chains do not require lubrication and are corrosion free.



FEED SECTION

Any number of feed inlets can be incorporated. The width of the buckets determines the width of the fill point but lengths are variable to suit different applications.

A brush skirt for spillage prevention is fitted to the underside of the structure around the feed inlet to make contact with the moving buckets.

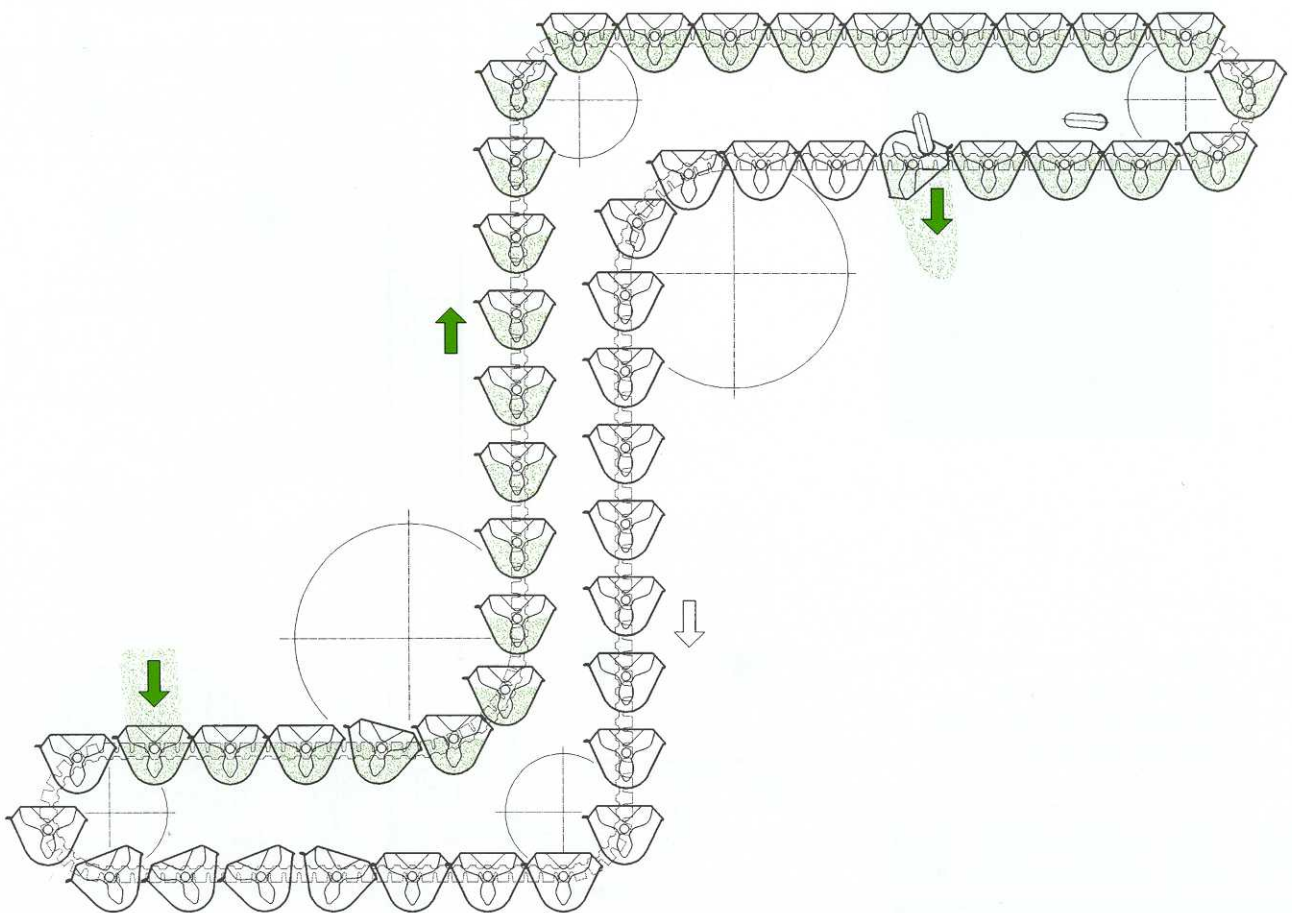
DISCHARGE SECTION

The NERAK pendulum bucket can provide any number of discharge points over the complete length of the top horizontal section. Discharge of product is pneumatically or electromagnetically controlled by a cam which engages with a web moulded into the bucket.

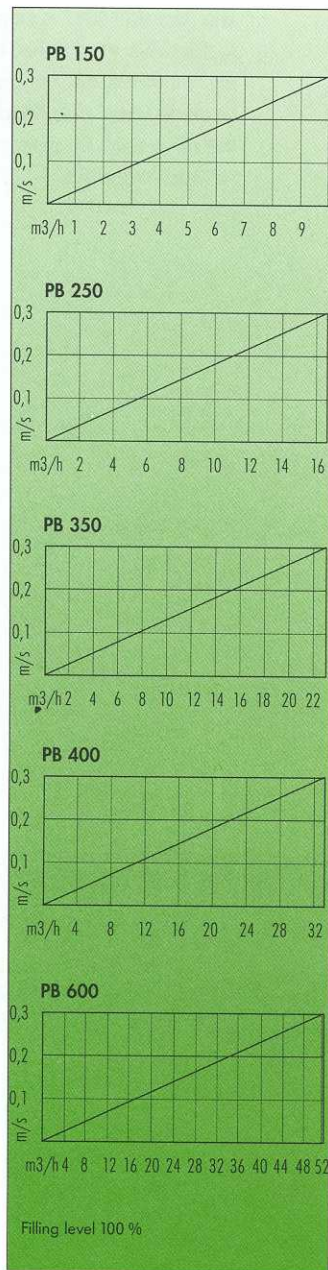
The resulting bucket tilt up to 180° ensures the easy discharge of product from the bucket.

The toothed bucket belt assembly is driven at the discharge end engaging rollers located around the circumference of the drive wheels.

The geared motor is adjacent to the drive shaft either top or end mounted. An anti-run back device is also fitted to the drive shaft to prevent runback when idle.



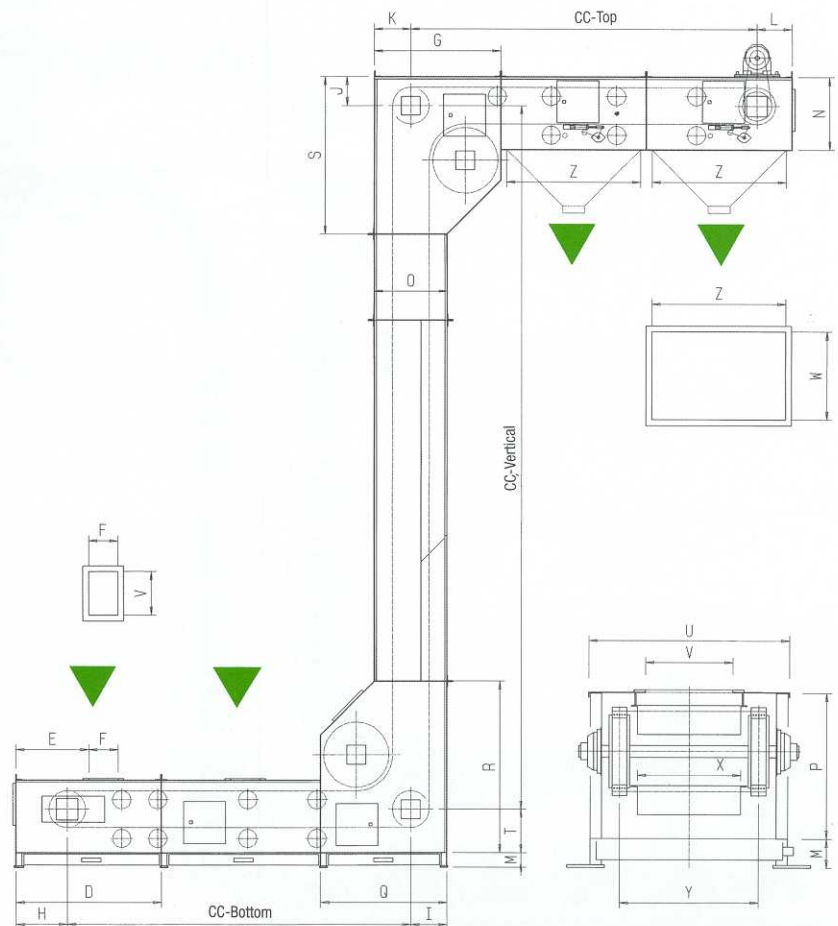
CONVEYING CAPACITIES



DIMENSIONS

	PB 150	PB 250	PB 350	PB 400	PB 600
CC-Bottom min.	1250	1250	1370	2075	2075
CC-Top min.	2040	2040	1380	2230	2230
CC-Vert. min.	1760	1760	1760	2450	2450
D	1000	1000	1000	1700	1700
E	500	500	600	800	800
F	200	200	200	500	500
G	870	870	870	1250	1250
H	350	350	350	500	500
I	270	270	270	375	375
J	230	230	200	375	375
K	270	270	270	375	375
L	240	240	240	375	375
M	100	100	100	200	200
N	500	500	500	750	750
O	500	500	500	750	750
P	500	500	500	750	750
Q	870	870	870	1250	1250
R	1180	1180	1180	1600	1600
S	1080	1080	1080	1600	1600
T	270	270	300	375	375
U	498	598	690	930	1120
V	80	180	260	300	500
W	406	506	604	818	1008
X	150	250	350	400	600
Y	279	379	480	600	790
Z	480	480	670	690	690

The right to alterations in dimensions is reserved.



Clean-in-place systems and efficient bucket drying facilities can be incorporated into the NERAK designs.

Structures can be manufactured in dusttight, watertight, gastight and pressurised configurations.



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OTHER NERAK EQUIPMENT

- Continuous bucket conveyors
- Rubber block chains
- Grid belt conveyors
- Rubber cooling lines
- Boxlifters or unit load elevators
- Special designs to suit individual applications
- Circulating vertical conveyors

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