

Industry Leading Vertical Conveying for Packed Goods



The **NERAK** Portal Lift



EXPERTS IN VERTICAL CONVEYING

N | E | R | A | K
FÖRDERTECHNIK

NERAK is your specialist in vertical conveying for packed goods. Canned food, packages, parcels, sacks, barrels or Euro pallets – OEM's and end users alike will find a technically high specification yet economical and efficient solution.

NERAK Lift is designed for payloads up to 200 kg. A carrier guided in 2 steel tracks and fixed to two NERAK Rubber Block Chains is lifted and lowered by a geared brake motor. Multiple stations can be supported. Electrical services to the carrier are supplied via a cable chain.

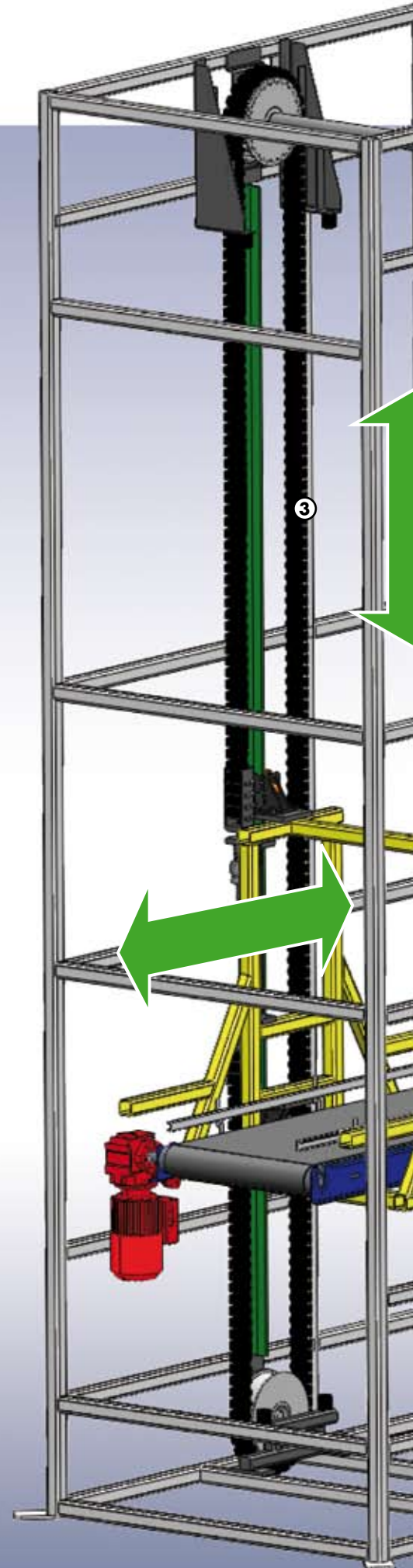
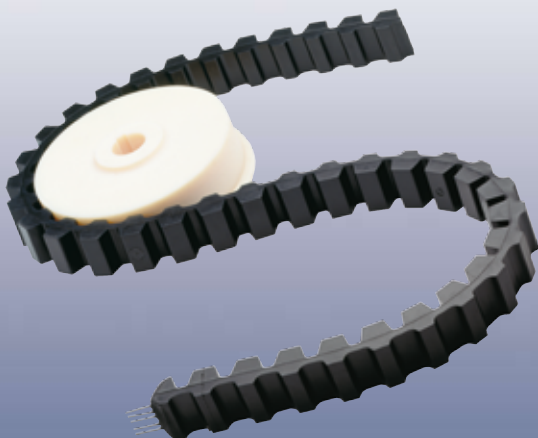
Lifting system is designed to operate with or without counter weight, depending on the required load and capacity. The carrier can be fitted with different types of horizontal conveyors.

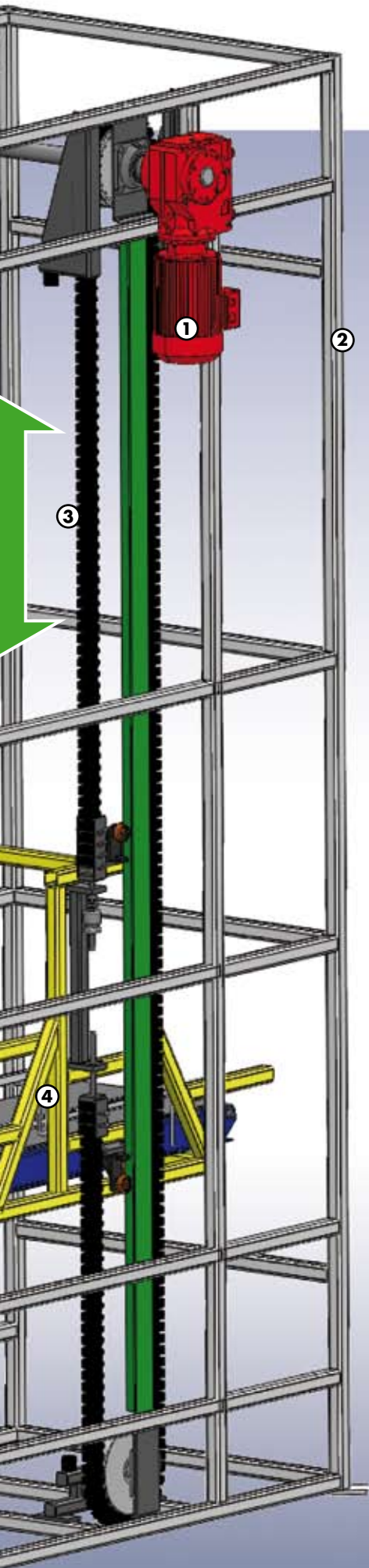
As standard the portal lift frame is constructed from extruded aluminium profile although mild steel or stainless steel can be used as an alternative. The frame supports the chain guide system, drive unit and supports the safety cladding. As standard perforated aluminium sheet is used for cladding the lift but perforated steel or transparent poly carbonate can also be supplied. For lift heights up to 3 m the units are free standing, above this height additional wall or roof fixing will be necessary.

The NERAK Rubber Block Chain is the essential part of the lifting system. For strength, steel cables are vulcanized inside the rubber, ensuring high performance.

The Rubber Block Chain is very quiet in operation thus minimising noise pollution even in work areas adjacent to the lift.

The Rubber Block Chain leads to a very cost effective operation since frequent adjustments, greasing, and tensioning are minimised.





- ① Drive system with shaft mounted geared motor and toothed drive wheels. Lifting speed can be up to 2 m/sec. Depending on the lifting height, up to 200 operations per hour are possible.
- ② The frame supporting functional elements and cladding.
- ③ The NERAK Rubber Block Chain with vulcanised steel cables supports the carrier.
- ④ Carrier fitted with a horizontal conveyor.
- ⑤ Double horizontal conveyors, either side by side or one above the other can be supplied.



▼ **Infeed and discharge at the Portal Lift PH253 – with up to 200 kg payload**



▲ Infeed station of a Portal Lift PH253. Transfer from the roller conveyor to the infeed conveyor. The infeed roller conveyor pivots to separate the trays.

▼ Discharge station of a Portal Lift PH253.



▼ Transfer from a belt conveyor on the lift to the subsequent roller conveyor

