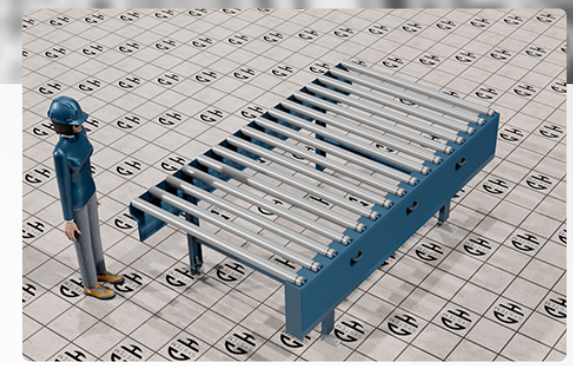
CH·SYSTEM

Roller Conveyors

– with V-belt drive



For transport with high speed, low noise and high precision

Roller conveyors with V-belt drive are often used for transport of building materials.

The conveyor design is standardized and modelized to meet the maximum and minimum product(pallet) size and weight.

The roller diameter and pitch is selected from our standard product range together with the robust steel frame, supports and motor-frame.

The rollers are equipped with double bushings in one end and are driven by V-belts from roller to roller.

The drive system is covered by a closed steel guard protecting it from dust and particles. V-drive enable angling of rollers for product alignment and separation.

The complete steel frame is designed for heavy duty application, long lifetime and minimum maintenance.

Details:

- Possible to transfer product across rollers without requiring lift even in drive-side of roller.
- Each roller has 20 mm diameter ball bearing that is lifetime greased.
- Steel structure is powder coated to the client color requirement.
- Energy-efficient gearmotors from SEW or Siemens depending upon client's requirements.
- Any type of sensor or photocell can be mounted for start/stop.
- Ready for integration with CH standard angular transfers.
- Any type of communication with frequency inverter
- Each conveyor will have a Declaration of Incorporation of partly completed machinery.
- The conveyor is inherently safe can be installed without any fencing.

Specifications:

The below values apply to our standard conveyors. Variations and special designs are possible

Length	Up to 6.000 mm
Width	Up to 4.500 mm
Height (motor installed below)	From 400 mm
Height (motor installed on side)	From 120 mm
Conveying speed (depending on product)	Up to 45 m/min. Optional with variable with frequency inverter
Roller diameter	76, 89 mm
Roller pitch in mm	Fully variable
Roller angle	90 to 50 degree
Temperature	+5/+50 °C
Adjustable height in mm	± 50
Motor (IE3/4)	SEW EuroDrive or Siemens

Optional:

- Food safety version with lifetime greased bearing and smooth surface easy to clean.
- Stainless steel rollers for direct contact with food products.
- Variable speed with frequency converter from MoviMot or Siemens.

Special features:

Coating of the rollers, stop plates, alignment unit, side guides, vertical side belts, angular transfer, build-in turning cross, cut-out in conveyor frame for robot gripper even in drive-side, plastic cover for easy inspection of drive chain.