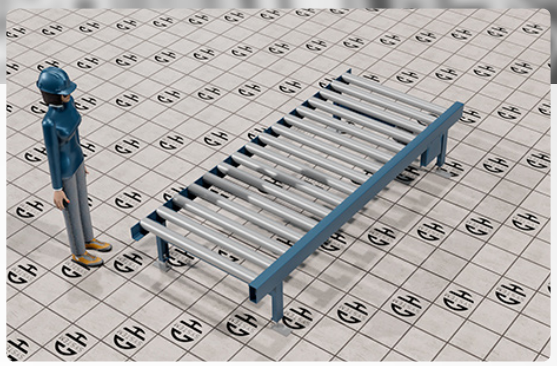
CH·SYSTEM

Roller Conveyors

– with chain drive for heavy duty



Type RCH – for transport with high load and large dimensions

Roller conveyors are often used for pallet transport with pallet conveyed in the longitude direction. 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 model range together with the robust steel frame, supports and motor-frame.

The rollers are equipped with double chain wheels in one end and are driven by looped chain from roller to roller. The drive system is covered by a closed steel guard protecting it from dust and particles.

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

Details:

- Each roller has 20 mm diameter ball bearing that is lifetime greased.
- Steel structure is powder coated to the client color requirement.
- Each individual drive 5/8" chain is maintenance free.
- Energy-efficient gearmotors from SEW or Siemens depending upon client's requirements.
- Any type of sensor or photocell can be mounted for start/stop.
- 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

Payload	Up to 2000 kg/meter
Length	Up to 6.000 mm
Width	Up to 1.600 mm
Height (motor installed below)	From 400 mm
Height (motor installed on side)	From 120 mm
Conveying speed (depending on product)	Up to 15 m/min variable with frequency inverter
Roller diameter	89 mm
Roller pitch in mm	From 182,5 mm
Temperature Enviromnent	-20 / +50 °C
Adjustable height in mm	± 50
Motor (IE3/IE4)	SEW EuroDrive or Siemens

Optional:

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

Special features:

Coating of the rollers, different spacing(pitch) between rollers, stop plates, alignment unit, vertical side guides, vertical side belts, angular transfer with lift, build-in turning cross.