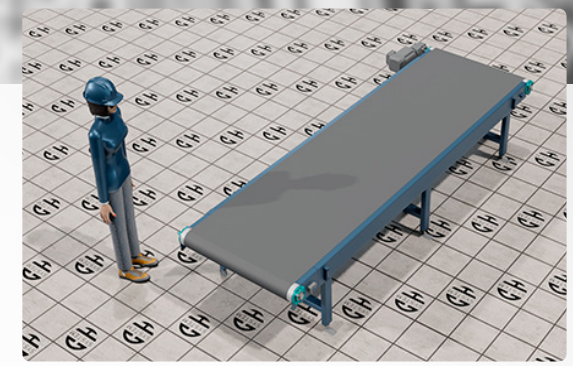
CH·SYSTEM

Belt Conveyors

– for medium duty



Type BCM – For transport of all products with light and medium weight

Belt conveyors are often used for swift, low noise transport of even very wide products whether the direction is horizontal, inclining, or declining.

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

The belt type and drum size are selected from our standard model range together with the robust steel frame, supports and motor-frame.

The belt is controlled by a bombarded drive drum, ensuring a centered belt position.

The drive system is covered by a closed steel guard protecting it from dust and particles. The drive is centrally placed enabling reversible operation with optimum chain tension.

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

Details:

- Frame 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.
- Any type of communication with frequency inverter
- Each conveyor will have a Declaration of Incorporation of partly completed machinery.
- Because of the dummy pulleys shielding the sides of the drums, the conveyor will be inherently safe and can be installed without any fencing.

Specifications:

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

Payload standard	Up to 100 kg/m
Dimensions - Standard up to 8000 mm without omega drive.	Configurable (length min. 1,5 times the width)
Belt width	650-1400 mm
Height standard (motor installed on the side in the end)	From 400 mm
Height (motor installed on the side)	From 250 mm
Standard belt	PVC
Conveying speed (depending on product)	Up to 60 m/min Option for variable with frequency inverter
Temperature	-10/+50 °C
Adjustable height in mm	± 50
Motor (IE3/IE4)	SEW EuroDrive or Siemens

Optional:

- Other belt types e.g. PU and grip face
- Flights.
- Reversible version with centered belt tensioning.
- Food safety version with lifetime greased bearing and smooth surface easy to clean.
- Variable speed with frequency converter from SEW MoviMot or Siemens.

Special features:

Alignment unit, vertical side guides, vertical side belts.