

Belt Conveyor

Belt conveyor is composed from four main stations, namely the tail station, discharge or head Station, the longitudinal frame and the take-up station.

Main features

Head

- Located at the discharge end including head pulley equipped with heavy duty bearings, complete sealed discharge chute, Hood cover, Driving unit (Motor, gear box, Couplings...etc.)

Tail station

- Part at the feed end including tail pulley and tail pulley base plate which represents the rear end of the conveyor

Take-up system

- Provides the pre-tension to the belt to avoid both belt slip at drive drum or sag between rollers.

Longitudinal frame

- Frame carrying (Upper, Lower rollers, Rubber belt...etc.) which shaped as the profile of the conveyor usually manufactured of steel hot rolled section.

Accessories:

- Side Skirts to adjust conveying material along its path till discharge point.
- Upper / lower self-centralizing sets to adjust the rubber swaying "If any"
- Set of sensors (Zero speed, Drift Switch, Emergency stop switch...etc.)
- Scrubbers located at head and tail stations



Capacity (m³/Hr.)	Up To 2,000	Length (m)	Up to 2,000 m
Width (m)	Up To 2,000 mm	Inclination angel	Up To 18°
Casing Surface Treatment "Acc. to application"	Painted Hot-dip galvanized Stainless steel	Speed (m/sec.) "Acc. to application"	Up To 3.6



No.	Item Description	No.	Item Description	No.	Item Description
1	Conveyor Frame	6	Tail frame	11	Main Driving Unit
2	Conveyor Supports	7	Driven Pulley	12	Heavy Duty Bearings
3	Return Rollers	8	Safety Covers	13	Drive Pulley
4	Trough Rollers	9	Tension mechanism	14	Hood
5	Tripper Car Rails	10	Drive Frame	15	Inlet chute