

## Tripping system

Tripping system is the smart system normally used in flat storage silos . Tripper car move forward/backward to make material piles with height depend on stored martial characteristic.

## Charging conveyor Main features

### Head station

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

### 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.

## The tripper car Main features

### Tripper car frame

Designed with optimum section, length to allow car smoothly movement through its path. **pulleys**

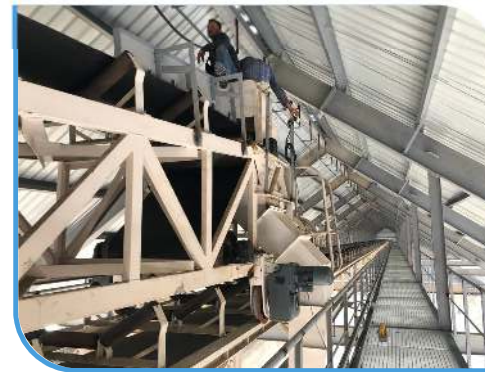
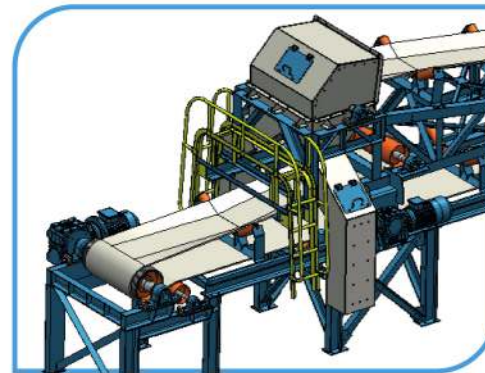
Designed with latest technology which used to change the rubber belt direction to discharging the material in its specific points.

### Discharge chutes

Designed with two legs with suitable inclined angel based on material characteristics which allow feeding material both sides of tripper car.

### 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
- The tripper car equipped with complete radar system to check the material level and give the system alarm to move the car to the position already programed in the PLC system.
- Limit switches are at all stopping points of tripper car path.



Capacity (m <sup>3</sup> /Hr.)	Up To 2,000	Length (m)	Up to 400
Width (m)	Up To 3	Hight (m)	Up To 6
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	No.	Item Description
1	Conveyor Frame	6	Tail frame	11	Main Driving Unit	16	Tripper car driving unit
2	Conveyor Supports	7	Driven Pulley	12	Heavy Duty Bearings	17	Hood
3	Return Rollers	8	Safety Covers	13	Drive Pulley	18	Stairs
4	Trough Rollers	9	Tension mechanism	14	Tripper Car	19	Bearing cover
5	Tripper Car Rails	10	Drive Frame	15	Tripper Car Pulleys	20	Discharge chute



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