

# Trim Line Conveyor Car



Systec's patented Trim Line Conveyor (TLC) Car brings an abundance of safety features never before seen on mobile conveyors. Systec's TLC was re-engineered from the ground up to incorporate the latest technology and safety components available. The most significant features are the side-shift conveyor beds. This technology virtually eliminated the pinch point, or shear point, that exists with "old style" mobile conveyors. The TLC car leaves a 9" gap between the stationary conveyor and the car while it is in motion. Other safety features include: high-sensitivity bumper, laser pathway sensors, audible and visual alert system and operator visual assistance system.

The TLC car has been engineered to be applicable to existing material handling systems. With the 100% drive capability of the side-shift beds, the load detection photo-sensors can be set to the furthest point outward from the car's center. Effectively, this car will haul the same size load as existing mobile conveyors and still allow for the 9" clearances on either side of the car. This means no modifications of the stationary conveyors are required to make this car work with an existing system. The TLC car's cycle times are comparable to existing car's rates as well.

Systec's TLC car is a very reliable and durable mobile conveyor. The TLC car is simple in design, operation and much safer to operate than traditional mobile conveyor. The TLC car is simple in design, operation and is much safer than traditional mobile conveyors to operate. This car, like all Systec conveyor and devices, uses the highest quality materials, is second to none in workmanship and applies all the latest in technology, safety designs and features.



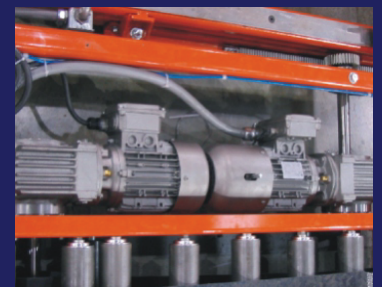
## OVERALL CONSTRUCTION

Systec's TLC car features all - welded steel frame construction with precision laser cut and machined parts. Systec uses only the highest quality components in this and all conveyor and devices.



## OPERATOR CONTROLS

Systec's TLC car offers a multitude of operational controls and adjustments for load pickup, delivery, and car positioning in either manual or automatic operations.



## DRIVE ASSEMBLY

Systec's TLC car drive assemblies operate the conveyors and side shifting beds. The car features a fixed or variable speed, five horsepower gearmotor for car movement and positioning.

## SPECIFICATIONS

Overall Width	314 1/2" dual bed (available with gravity outrigger)
Overall Length	90", 96", 102", 108" (aisle width, add 18")
Top-of-roller	12" T.O.R.
Load Capacity	15,000 lbs
Conveyor Speed	45 FPM
Car Speed	30 - 400 FPM
Power System	Overhead festoon cable system, Overhead buss-bar power system, In-floor buss-bar power system
Operator Platform	High or low deck

## CONSTRUCTION

Frame	All-welded steel construction
Conveyor Bed	All-welded steel construction, rack and spur gear drive
Drive Wheels	12" dia. x 4 1/2" face x 2" bore with ringfeeder wheel locking device
Idler Wheel	9" dia. x 5" face, press fit 5" dia. x 4" hub x 1 1/2" welded in shaft

## SAFETY FEATURES

Conveyor Bed	Patented side-shift beds to eliminate shear point
Bumpers	30" deep, ultra-sensetive (power disconnect on contact)
Sensors	Laser object detection with automatic slow down & stop
	Dual tone alert system in direction of travel
Audible Alert System	Triple color strobes flash in direction of travel
Visual Alert System	Hand rail equipped with bulk head operator protection
Operator Platform	Camera & monitor equipped for improved operator vision

## CONTROL OPTIONS

Electrical Enclosure	On-board, self-contained enclosure & control panel
Automatic	Operator-less, automated load pickup & delivery
Manual	Operator on-board required for load pickup & delivery