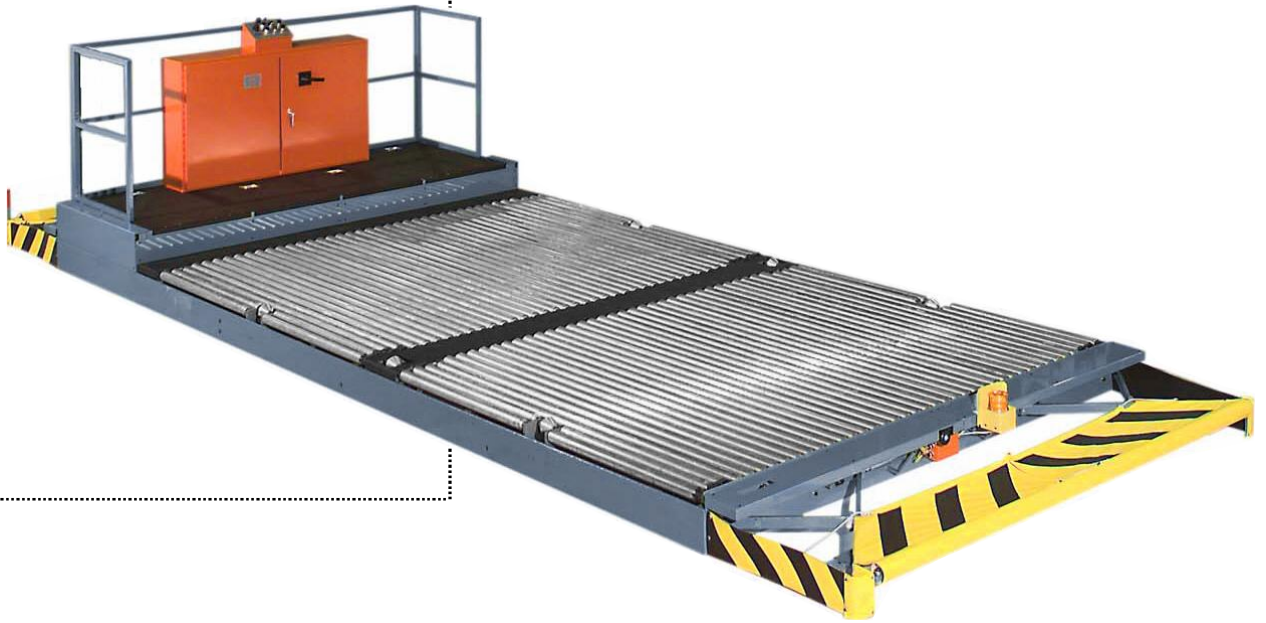


## TRANSFER CAR

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### DESCRIPTION

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- Transfer Cars move loads from conveyor to conveyor in an aisle. The car travels in the aisle, guided by an in-floor track. The typical car has two belt-powered conveyors that operate independently or in tandem.
- Cars are one-piece construction. The frame is flexible enough to follow the contour of the floor, yet rigid enough to transfer the weight of the load to the drive and braking wheels.
- Transfer Cars can be operator-controlled or integrated into an automatic conveyor system. A control console is provided for safety functions, manual operation and selection of automatic modes of operation.

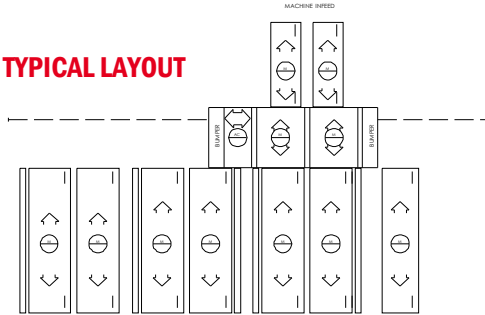
### FEATURES

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- 7.5 HP variable-speed AC car drive
- Bumper and brake system permit 200 FPM (61 MPM) operation
- Unmanned operation in enclosed aisle at 350 FPM (107 MPM)
- 1.0 HP variable-speed AC conveyor drives with integrated, belt-tensioning rollers and fixed tail pulleys for reliable drive on end rollers
- Onboard programmable logic controller and diagnostic system
- Encoder systems for both car positioning and load measuring
- Made with precision CNC cut and punched components

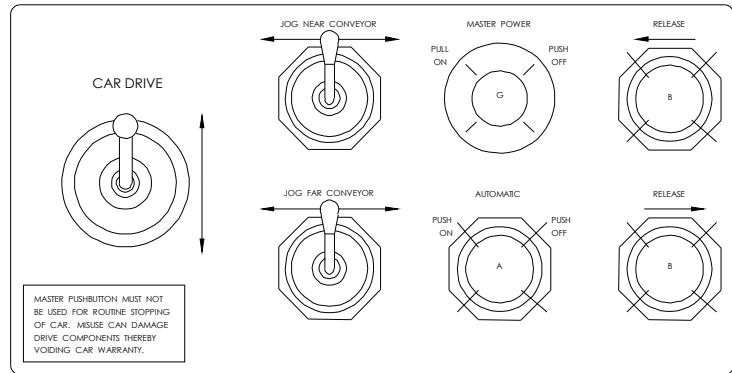
# TRANSFER CAR

## TYPICAL LAYOUT



This typical layout illustrates the use of a Transfer Car to transfer loads from the storage conveyor area to a Machine Infeed Conveyor.

## TYPICAL CONTROL CONSOLE LAYOUT



This control console is typical of the manual override control station.

## SPECIFICATIONS

Between Bed Frame Widths:	Two Conveyor Beds 60", 72", 84" or 96"	(1.5 m, 1.8 m, 2.1 m or 2.4 m)
Conveyor Bed Types:	Roller Conveyor (RC), Powered Live Roller Conveyor (PLR) and Stedi Stak	
Car/Conveyor Lengths:	8'-0", 8'-6" and 10'-0" Standard Other lengths available.	(2.4 m, 2.6 m and 3 m)
Top of Roller Elevation:	12" Standard	(30.5 cm)
Conveyor Speeds:	20, 30, 40 or 60 FPM	(6, 9, 12 or 18 MPM)
Maximum Load Sizes:	Lengths: 10'-0" (3 m) — 108" (2.75 m) 8'-6" (2.6 m) — 90" (2.3 m) 8'-0" (2.4 m) — 84" (2.1 m)	Widths: Two 96" (2.4 m) Beds — 203" (5.1 m) Two 84" (2.1 m) Beds — 179" (4.5 m) Two 72" (1.8 m) Beds — 155" (3.9 m) Two 60" (1.5 m) Beds — 131" (3.3 m)
Load Rating:	10,000 lb (4,536 kg)	
Product Construction:	Chassis Outer frame & Cross Members: $\frac{3}{4}$ " x 4" x 8" Rectangular tube for support frames: $\frac{3}{16}$ " x 2" x 6" Wheel boxes: $\frac{3}{4}$ " x 6" and $\frac{3}{4}$ " x 10" Wheel box support angle: $\frac{1}{2}$ " x 4" x 8" Load bearing wheels: 3" w. x 8" diameter Tapered roller bearings: $\frac{17}{16}$ " Drive wheels: 5" w. x $14\frac{1}{2}$ " diameter	(2 x 10 x 20 cm) (0.5 x 5 x 15 cm) (2 x 15cm and 2 x 25 cm) (1 x 10 x 20 cm) (7.6 x 20 cm) (3.65 cm) (12.8 x 37 cm)
Drive Components:	7½ HP motor for speeds from 0–350 FPM (0-107 MPM). The $2\frac{15}{16}$ " (7.5 cm) drive shaft is connected to the motor with double 80# roller chain. Components are located under the drive end deck plate which is hinged for ease of maintenance.	
Safety Package:	All cars equipped with safety bumpers on both ends and warning system consisting of a bell and flashing light.	
Rollers (where applicable):	$2\frac{1}{2}$ " (6.35 cm) diameter x 11 gauge high-strength, corrosion-resistant Flo-Coat® galvanized steel tubing manufactured by Allied Tubing & Conduit placed on 3" (7.6 cm) centers.	



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