**TRANSFER CAR**

**WITH STEDI-STAK BEDS**

**DESCRIPTION**
- Transfer Cars move loads from conveyor to conveyor in an aisle. The car travels in the aisle, guided by an in-floor track. Transfer Cars are typically equipped with two belt-powered conveyors that operate independently or in tandem, or with four conveyor beds as illustrated above. TCAR’s can also be equipped with turning posts to rotate loads once onboard.

- Cars are of 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 function, manual operation, and selection of automatic modes of operation.

**FEATURES**
- Equipped with 2.0 HP variable-speed AC conveyor drives.

- Depending on size and capacity of the TCAR, either a 7.5 HP or 10 HP variable-speed AC car drive with brake is installed.

- Bumper and brake system permit standard 200 FPM (661 MPM) operation.

- Unmanned operation in an enclosed aisle can travel up to 350 FPM (107 MPM).

- Optional backup camera system available.

- Encoder systems for both car positioning and load measuring.

- Onboard programmable logic controller and diagnostic system.
# TRANSFER CAR

**FULL COLOR 7” MONITOR INCLUDED WITH OPTIONAL BACKUP CAMERA SYSTEM**

## OPTIONS

**OPTIONAL BACKUP CAMERA SYSTEM INSTALLED**

- **FULL COLOR 7” MONITOR INCLUDED**
- **WITH OPTIONAL BACKUP CAMERA SYSTEM**

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Between Frame Bed Widths:</th>
<th>1-4 Conveyor Beds 60”, 72”, 84” or 96” (1.5M, 1.8M, 2.1M, or 2.4M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor Bed Types:</td>
<td>Stedi-Stak Bed(s), Roller Conveyor (RC), and Powered Live Roller Conveyor (PLR)</td>
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<tr>
<td>Car/Conveyor Lengths:</td>
<td>10’-0” (3M) Standard. Other lengths available dependent upon number of conveyor beds and size(s).</td>
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<tr>
<td>Top of Roller Elevation:</td>
<td>12” (30.48cm) Standard</td>
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</tbody>
</table>
| Maximum Load Sizes:      | Lengths: 10’-0” (3M) – 108” (2.75M)  
8’-6” (2.6M) – 90” (2.75M)  
8’-0” (2.4M) – 84” (2.1M)  
Widths: Two 96” (2.4M) Beds – 203” (5.1M)  
Two 84” (2.1M) Beds – 179” (4.5M)  
Two 72” (1.8M) Beds – 155” (3.9M)  
Two 60” (3.3M) Beds – 131” (3.3M) |
| Load Rating:             | 10,000 lb (4,536 kg) |
| Product Construction:   | Chassis Outer Frame: 3/4” x 4” x 8” (19 x 102 x 203mm)  
Cross Members: 1/2” x 4” x 8” (15 x 102 x 203mm)  
Wheel Boxes: 3/4” x 10 x 19 1/2” (19 x 152mm)  
Wheel Box Support Angle: 1/2” x 4” x 8” (15 x 102 x 203mm)  
Load Bearing Wheels: 3” W x 8” Diameter (76 x 203mm)  
Drive Wheels: 5” W x 14 1/2” Diameter (128 x 368mm) |
| Drive Components: 7.5 HP or 10 HP brake motor for speeds from 0 – 350 FPM (0-107 MPM). The 2- 15/16” (75mm) drive shaft is driven using double 80# roller chain. Components are located under the drive end deck plate which is hinged for ease of maintenance. **24-Volt Controls standard. 110-Volt controls available.** |
| Safety Package: All cars equipped with laser proximity bumpers on both ends and warning system consisting of a buzzer and flashing light. Optional backup camera system is also available. |