DESCRIPTION

• Shuttle Cars are designed to traverse open aisles following an in-floor track to pick-up and deliver loads from conveyor line to conveyor line.

• Shuttle Cars can be configured with a variety of configurations and sizes of conveyor beds, either modular Stedi-Stak or Roller beds. On multiple bed Shuttle Cars, each bed can be operated either independently or in unison.

• Shuttle Cars can be operated in automatic or manual mode and are a major link in the mechanized portion of an ACS mechanized material handling system.

• Shuttle Cars are equipped with Safety Bumper systems as well as safety beacons and audible safety alarms that actuate just before and during Shuttle Car movement.

FEATURES

• 2 HP AC brake motor car drive.

• Utilizes conveyor beds with Stedi-Stak modular belting. Options include: “JCB” Textured Top; “QNB” Smooth Top; “QNB” Rubberized for additional grip.

• 1.0 and 1.5 HP variable-speed AC conveyor drives available.

• Over-travel sensors provide for accurate car positioning and safe operation.

• Encoder systems for both car positioning and load measuring available.

• Structural channel side frames with structural steel head mechanisms assure long service life.

• Entire Assembly made with precision CNC and laser cut components.
# SHUTTLE CAR with Stedi-Stak Bed(s)

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Between Frame Bed Widths:</td>
<td>48&quot;, 60&quot;, 72&quot;, 84&quot;, 96&quot;, 120&quot; (1.2m, 1.5m, 1.8m, 2.1m, and 2.8m)</td>
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<tr>
<td>Standard Lengths:</td>
<td>5’-0” (1.5M), 6’0” (1.8M), 7’0” (2.1M) and larger. Call factory for other possible lengths.</td>
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<td>Minimum Height:</td>
<td>12” (30cm) Top of Bed. Other lengths available as needed.</td>
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<tr>
<td>Load Rating:</td>
<td>3,500 Lbs. (1587.6 kg)</td>
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<tr>
<td>CAR Travel Speed:</td>
<td>0 - 60 FPM (0 – 18.29 MPM) with Standard Safety Bumper Profile</td>
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<tr>
<td>Conveyor Speeds / HP:</td>
<td>1 HP 40 FPM (17.37 MPM) or 1.5HP 60 FPM (17.37 MPM) Typical</td>
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<tr>
<td>CAR Motor Drive:</td>
<td>Typically, 2 HP Brake Motor, 230V/460V/3PH/60HZ mounted to an adjustable slide plate with chain drive, (Other HP and voltages available as required)</td>
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<td>Product Construction:</td>
<td>5” (12.7cm) Structural Channel Steel Side Frames</td>
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<td>Convoyer Bed Side Frames:</td>
<td>Precision CNC and laser cut steel components, all welded steel construction</td>
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<tr>
<td>Frame:</td>
<td>Acetyl plastic solid platform comprised of 1” (2.54cm) segments joined by lacing rods with nylon retaining pins. Acetyl plastic offers super low friction, height tensile strength and excellent resistance to wear on continuously highly-loaded conveyors.</td>
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<tr>
<td>Optional Bed Materials include:</td>
<td>- Textured top (JCB)</td>
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<tr>
<td>- Smooth top (QNB)</td>
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<tr>
<td>- Rubberized top (QNB)</td>
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<tr>
<td>Control Options:</td>
<td>Pushbutton operator-actuated</td>
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<tr>
<td>Manual:</td>
<td>Electromechanical sensors (i.e. Photo Eyes, Proximity Sensors) may automatically actuate the conveyor and device to position and transfer the load. Control software utilizing Programmable Controller to facilitate fully automatic operation.</td>
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<tr>
<td>Automatic:</td>
<td>All Shuttle Cars equipped with Amber Flashing Beacon and Pulse Tone Audible Alarm.</td>
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<tr>
<td>Safety Features:</td>
<td>Safety Edge Bumpers with Rubber Profile, Dark Operated Photo Sensor, and Laser-detection bumper systems available.</td>
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Available with Stedi-Stak or Powered Live Roller Beds

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