When the turns are tight and the aisles are narrow the Creform Tite-Space BST AGV Tugger can deliver carts where other AGVs are locked out. Like all Creform BST AGVs, the Tite-Space model slips under a stationary cart, engages it by extending the tow pin into a BST interface and heads off to deliver it. Whether the aisles are wide or narrow and whether the turns are wide or tight this AGV will manage them with ease. It’s especially well suited for delivering to line-side assembly points when space is at a premium. It slips into tight spots and leaves just as easily. To disengage from a cart, the tow pin is retracted freeing the BST to travel to the next station.

A big advantage of any Creform BST is its ability to mobilize multiple carts with a single drive unit. An economical alternative to other delivery methods. And for larger operations a series of BST drive units can power an entire fleet of carts.

Ask about Creform’s complete line of BST AGV’s designed to fit just about any cart delivery application including those with existing tow type carts.

- Standard unit that’s run ready.
- Safety — audible warning and flashing light, obstacle sensor, bumper switch and e-stop.
- 24 Volt Power — full shift run under capacity load typical.
- Battery tray cart for easy battery changing.
- Follows magnetic tape guidepath.
- Embedded magnetic strips available for high-traffic areas.
- Command tapes initiate AGV functions such as speed changes, route selection and extend/retract tow pin.
- Options include: PLC, RF, RFID, optical communicator and battery tray cart.
- Service & Support: Programming, plus cart/structure designs, kitting or assembly assistance along with route layout installation available from Creform.

*Capacity depends on floor conditions and caster selection on the carrier
### Creform Tite-Space BST AGV Tugger Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Guidepath</strong></td>
<td>50mm wide Creform magnetic tape</td>
</tr>
<tr>
<td><strong>Direction/speeds</strong></td>
<td>Forward only</td>
</tr>
<tr>
<td></td>
<td>4-50m/min (13 to 164 ft/min)</td>
</tr>
<tr>
<td><strong>Braking system</strong></td>
<td>Electromagnetic, dynamic and parking brake</td>
</tr>
<tr>
<td><strong>Minimum turning radius</strong></td>
<td>400mm R (15.7” R) - 180° turn</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>24V DC (two 12V batteries)</td>
</tr>
<tr>
<td><strong>Control method</strong></td>
<td>Magnetic command tapes</td>
</tr>
<tr>
<td><strong>Floor condition</strong></td>
<td>Surface roughness 7mm or less between min. &amp; max. height slope 1% or less; step 3mm or less; trough 10mm or less</td>
</tr>
<tr>
<td><strong>Usage conditions</strong></td>
<td>Indoor only; 0-40°C, 32-104°F; 30 to 80% humidity - no dew formation</td>
</tr>
<tr>
<td><strong>Safety devices</strong></td>
<td>Audible warning, non-contact obstacle sensor, flashing light, e-stop and bumper</td>
</tr>
<tr>
<td><strong>Protective circuits</strong></td>
<td>Over current prevention on motor (protect with motor driver)</td>
</tr>
<tr>
<td></td>
<td>Over current protection on power source (15A breaker)</td>
</tr>
<tr>
<td><strong>Draw bar/load capacity</strong></td>
<td>26kg (57lb)/600kg (1320lb) - includes cart plus AGV</td>
</tr>
<tr>
<td><strong>Tow pin</strong></td>
<td>30mm shaft OD/approximately 50mm vertical stroke</td>
</tr>
<tr>
<td><strong>Unit weight/with batteries</strong></td>
<td>74kg (163lb)/96kg (212lb)</td>
</tr>
</tbody>
</table>

**Top View**

- Optional optical communicator
- Engage/disengage
- Control panel
- Warning/sensor light
- Obstacle sensor
- Bumper
- Sweeper
- Drive wheels
- Command sensor
- Batteries
- Tow pin

**Side View**

- Creform line-side gravity flow racks are easily sized to specific needs.
- Creform carts can be built to safely handle sequenced large parts.
- A single BST AGV can manage an entire fleet of sequenced parts carts.

---

South Carolina Office
Ph 864-989-1700 • Fax 864-877-3863
SCsales@creform.com

Michigan Office
Ph 248-926-2555 • Fax 248-926-2565
MIsales@creform.com

©2009 Creform Corporation

www.creform.com
800-839-8823

2/2009