DESCRIPTION

- A Load Palletizing Device centers and lifts an incoming load and then inserts a pallet directly beneath the load.

- Pallet Center Device, Pusher Device, Fork Lift Assemblies and Thru Conveyor are all combined into one unit to maximize automation.

- The Load Palletizing Device can be situated either before or after a Strapping and/or Wrapping Zone.

- Pallets can be supplied manually, by fork truck or with an automated pallet delivery device such as QuickPal.

- A Load Palletizing Device can be operated manually or integrated into an automatic conveyor system. A control console is provided for safety functions, manual operation, troubleshooting and selection of automatic modes of operation.

FEATURES

- Lifting forks rest 1/2” (13mm) below the top of the thru conveyor rolls to avoid bottom sheet damage.

- Designed to lift up to 5,000 lbs. (2270 kg) in 1.5 seconds.

- Adjustable plow blade angle for greater control of possible bottom sheet damage.

- Bypass Mode allows load to proceed straight through the conveyor without adding a pallet.

- Touch Screen Control Console allows up to 12 pre-programmed pallet sizes for faster entry.

- Pre-wired drive motors and safety lockouts.

- Made with precision CNC plasma cut and punched components.
# LOAD PALLETFIZING DEVICE

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>Thru Conveyor Bed Type</td>
<td>Powered Live Roller Conveyor (PLR).</td>
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<tr>
<td>Thru Conveyor Bed Frame Widths:</td>
<td>84&quot; (2.1M) Standard.</td>
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<tr>
<td>Thru Conveyor Lengths:</td>
<td>10’ 6” (3M) Standard.</td>
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<tr>
<td>Total Device Width:</td>
<td>31’ 9” (9.69M).</td>
</tr>
<tr>
<td>Top of Roller Elevation:</td>
<td>12” (30.48cm) Standard. Other heights available as needed.</td>
</tr>
<tr>
<td>Pallet Sizes Accommodated:</td>
<td>30” Long x 24” Wide to 48” Long x 84” Wide. (76.2 cm Long x 60.9 cm Wide to 1219mm Long x 213.4 cm Wide).</td>
</tr>
<tr>
<td>Load Rating:</td>
<td>5,000 lbs per unit (2,268 kg per unit).</td>
</tr>
<tr>
<td>Cycle Rate:</td>
<td>Throughput is 180 loads per hour with careful layout design and proper system integration.</td>
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<td></td>
<td>Note: 180 loads per hour is based on a 48” x 48” x 48” (122cm x 122cm x 122cm) load using two pallet pickup stations on either side of the pallet centering table. Additional pallet pickup stations will decrease loads per hour.</td>
</tr>
</tbody>
</table>

## Motors:

- (3) NORD 1 HP gear motors transmitting power to forks and thru conveyor.
- (1) NORD 1.5 HP gear motor powering the pallet infeed drive.
- (2) NORD 3 HP motors for the lift mechanism.
- (2) large servo drives operate the carriages.

## Rollers:

- 2 1/2” (6.35 cm) diameter x 8 gauge high-strength, corrosion-resistant galvanized steel tubing placed on 3” (7.62cm) centers.

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A typical control console (above) includes a touch screen computer panel for automatic modes as well as back-up manual jog controls.

A strapped and wrapped load is lifted and then lowered onto a pallet using the Load Palletizing Device. Typical line speed is 60 feet per minute.