Material Handling / Integrated Systems Reference Guide

Diagraph
An ITW Company
Material Handling

Conveyors

- Chain Driven Conveyors (Labeling Systems)
- Belt Driven Conveyors (Coding Systems)
- Low Profile Conveyors
- Custom Configurations
The RLC2000 Series belt conveyors are a heavy duty conveyor line tailored more for the carton labeling and coding needs.

- Powder Coated Aluminum Side frame (Optional grey color)
- High Friction belt option for product stability
- Integrated upright w/horizontal adjustment option allows PA or LA consistent positioning with the conveyor.
- Dual Dovetail grooves on side frame for mounting guide rails and accessories without drilling.
RLC 2052 Series Conveyor
Standard Features

- On/Off Switch
- Adjustable Guide Railing
- Floor Mounts
- Fixed Speed Motor
- Labeling – Chain Drive
- Coding – Belt Drive
- High Friction Belt - Optional
- Upgrade Timing Belt Setup
- Standard Drive Chain Setup
- Standard 2052 Series Clipper Laced Belt Setup
- Standard 2052 Series Seamless Belt Upgrade (Endless)
RLC 2052 Series Conveyor
Optional Features

- Integrated Upright w/Horizontal Adjustment
- Double Locking Casters (includes caster mounting plate)
- Remote E-Stop
- Variable Speed AC Drive
- Motorized Top Hold Down
- Wrapping Station
- Mounting – DTC & Transition
The RLC250 **Low Profile** series belt conveyors are a lighter duty conveyor and cover many different needs. They typically only carry up to 100 lbs total of evenly distributed product.

- Powder Coated Aluminum Side frame
- Smaller footprint than standard conveyor
- Greater mobility than standard conveyor
- Dual Dovetail grooves on side frame for mounting guide rails and accessories.

**Restrictions:**
- Weight limit of 80 lbs (Total on conveyor) at 60 FPM
RLC 250 Series Conveyor
Standard Features

Dove Tail Clip - DTC
DC Controller
HDT Timing Belt
RLC 250 Series Conveyor
Optional Features

- 120VAC Single Phase on/off Switch
- Secondary Wipe System
- Horizontal Kit for Upright
- Bump Turns
- Heavy Duty Guard Railing
Custom Configurations

*Product Reject Conveyor*

System Components

- System Controls w/PLC
- Reject Arm
- Mat top Belt for Smooth Product Transition
Custom Configurations

Manual Feed Conveyor w/Jig

Components

Horizontal Adjustment Bracket
Small Product Jig
Allen Bradley Flex4 Variable Speed Drive
Custom Configurations

Stainless Steel Conveyors

Components

Dodge EZ-Kleen Bearings

FDA Approved Belts

Wash Down Motors

SA.RD.05.02
Custom Configurations

Round Product Labeling

Wrap Station w/Padded Back Fence

Metering Wheel

Remote E-Stop

Controls

SA.RD.05.02
Custom Configurations

*Bottom Labeling – Dual Belt Design*

Dual belt configuration offers flexibility in product width in relation to label width.

The narrow opening between belts only accommodates a wipe-on application.

A transfer roll can be used to narrow the gap between conveyors for smaller products.
Custom Configurations
Vacuum Grid Conveyor w/Feeder

System Features:

• Belt conveyor with vacuum grid on belt
• Adjustable guide railing
• Sure-feed friction feeder
• 1HP Vacuum Blower (115v, 20.7 amp)
• Static accumulation hopper
Custom Configurations
*Top & Bottom Labeling – Split Belt Design*

Split Belt design offers easy access for either wipe-on or tamp top and/or bottom labeling applications.
Custom Configurations

Integrated Redundant Labeling System w/Barcode Validation

Components

System Controls

Secondary Wipe Down for Corner Wrap Labels

Barcode Scanner for Barcode Validation
Custom Configurations

Integrated Environmental Enclosures

System Features & Options

- Gas Shocks to Keep Door Open
- Anodized Aluminum / Lexan Construction
- Sealed Door
- Ball Detent Locked Door
- Optional – Horizontal Adjustments
- Optional – Heater w/Thermostat
- Optional – Positive Air
System Features & Options

- Applications in the meat, cheese, dairy, medical and pharmaceutical industries.
- Capable of printing single or dual axis (X and Y).
- Retrofits to all horizontal form fill & seal packaging machines
- Can be mounted to forming web and non-forming web
- Suitable for all multi-row packaging applications
- Print head bracket and support
- Standard lengths up to 22”
- Servo motor driven
- System Controls and programmed for application
- Optional – Support brackets
- Optional – Stainless Steel
### Scanning & Verification Solutions

#### Scanning Solutions

**Criteria required for selecting a scanner**

<table>
<thead>
<tr>
<th>Barcode Type</th>
<th>Product Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcode Orientation</td>
<td>Barcode Contrast</td>
</tr>
<tr>
<td>Barcode Location</td>
<td>Reading Distance</td>
</tr>
<tr>
<td>Barcode Size</td>
<td>Barcode Density / Contrast</td>
</tr>
</tbody>
</table>

**Barcode Orientation (Type of Scanner Required)**

- **Line**
  - ("Ladder")
  - Movement

- **Oscillating Mirror**
  - Movement

- **Raster**
  - ("Picket Fence" or Stationary)
  - Movement

- **Omni Directional**
  - Movement
Product Features

- Standard High Density Scanner
- Automatic Triggering
- Large Depth of Field
- Raster version
- Simple Software - Easy Setup
- Mounting Hardware (80/20)
- Tech Specs:
  - 400 to 1200 Hz (software selectable)
  - 2” to 29” reading range @ 40 mil
  - Fixed Focus
  - 5 – 30 VDC (Operating voltage range)
Product Features

- Profile Programming
- Automatic Triggering
- Match Code Capability
- SMART Technology (Enhances Read Rates)
- Simple Software - Easy Setup
- Mounting Hardware (80/20)
- Tech Specs:
  - 300 to 800 Hz (software selectable)
  - 2” to 32” reading range @ 40 mil
  - Fixed Focus
  - Integrated Can-Bus Networking
  - 10-30VDC (Operating voltage range)
Product Features

- Profile Programming
- Automatic Triggering
- Match Code Capability
- SMART Technology (Enhances Read Rates)
- Simple Software - Easy Setup
- Mounting Hardware – Conveyor Mount Standard (80/20)
- Tech Specs:
  - 300 to 800 Hz (software selectable)
  - 2" to 32" reading range @ 40 mil
  - Dynamic Focus Control
  - Integrated Can-Bus Networking
  - 10-30VDC (Operating voltage range)
Product Features

- CMC400 Cloning Module – Stores Scanner Parameters
- CMP400 – Power Supply Module
- CMD400 – Connection Display Module
  - Result, Diagnosis, % Evaluation, Host Interface, Sensor Type, CMC Type Modes.
- CMF400 – Connection Module Fieldbus
  - Profibus
  - DeviceNet
  - Ethernet TCP/IP or IP (Must specify)
- Cable glands for Easy Interface Access
## Custom Configurations

### Scanning Solutions

<table>
<thead>
<tr>
<th><strong>CLV 420 Single Head Raster Scanner Kit:</strong></th>
<th>Pt. # 9650-759</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Raster Scanner (Value) Kit, Single Head includes:</strong></td>
<td></td>
</tr>
<tr>
<td>(1) CLV 420 Raster Bar Code Scanner</td>
<td></td>
</tr>
<tr>
<td>(1) CDM420 Kit (includes cloning module &amp; 115VAC power supply)</td>
<td></td>
</tr>
<tr>
<td>(1) CMD Display Module</td>
<td></td>
</tr>
<tr>
<td>(1) WT9 Photo-eye (pre-wired) with mount</td>
<td></td>
</tr>
<tr>
<td>(1) 2 Meter Programming RS232 Cable (Serial Communications)</td>
<td></td>
</tr>
<tr>
<td>(1) Head Mount Bracket (conveyor mount)</td>
<td></td>
</tr>
<tr>
<td><strong>Standard, High Density Scanner (2.5” to 10.5” reading range @ 20 mil)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Price ⇒ $2,730.00</strong></td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>CLV 430 Single Head Raster Scanner Kit:</strong></th>
<th>Pt. # 9650-753</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Raster Scanner Kit, Single Head includes:</strong></td>
<td></td>
</tr>
<tr>
<td>(1) CLV 430 Raster Scanner</td>
<td></td>
</tr>
<tr>
<td>(1) CDM420 Kit (includes cloning module &amp; 115VAC power supply)</td>
<td></td>
</tr>
<tr>
<td>(1) CMD Display Module</td>
<td></td>
</tr>
<tr>
<td>(1) WT9 Photo-eye (pre-wired) with bracket</td>
<td></td>
</tr>
<tr>
<td>(1) 2 Meter Programming RS232 Cable (Serial Communications)</td>
<td></td>
</tr>
<tr>
<td>(1) Head Mount Bracket (conveyor mount)</td>
<td></td>
</tr>
<tr>
<td><strong>Standard, High Density Scanner (7” to 24” reading range @ 20 mil)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Price ⇒ $3,515.00</strong></td>
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</tr>
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<table>
<thead>
<tr>
<th><strong>CLV 430 Dual Head Raster Scanner Kit:</strong></th>
<th>Pt. # 9650-755</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Raster Scanner Kit, Single Head includes:</strong></td>
<td></td>
</tr>
<tr>
<td>(2) CLV 430 Raster Scanner</td>
<td></td>
</tr>
<tr>
<td>(1) CDM420 Kit (includes cloning module &amp; 115VAC power supply)</td>
<td></td>
</tr>
<tr>
<td>(1) CDM 420-0102 AC</td>
<td></td>
</tr>
<tr>
<td>(2) CMD Display Module</td>
<td></td>
</tr>
<tr>
<td>(1) Trigger Photo-eye (pre-wired) with bracket</td>
<td></td>
</tr>
<tr>
<td>(1) 2 Meter Programming RS232 Cable (Serial Communications)</td>
<td></td>
</tr>
<tr>
<td>(2) Head Mount Brackets (conveyor mount)</td>
<td></td>
</tr>
<tr>
<td><strong>Standard, High Density Scanner (7” to 24” reading range @ 20 mil)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Price ⇒ $6,900.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Options (available for all SICK systems)</strong></th>
<th><strong>CDM-420 (output module is included in scanner kits)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>BBSICK-ALM Alarm Beacon/Module w/reset button</td>
<td>$695.00</td>
</tr>
<tr>
<td>DN1026357 Ethernet Kit – TCP/IP Comm Module</td>
<td>$785.00</td>
</tr>
<tr>
<td>9600-255 Conveyor Mounting Bracket – Scanner Only</td>
<td>$180.00</td>
</tr>
</tbody>
</table>

SA.RD.05.02
### CLV 440 Single Head Oscillating Hi-Res Scanner Kit:

**Pt. # 9650-761**

<table>
<thead>
<tr>
<th>Oscillating Scanner Kit, Single Head includes:</th>
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<tbody>
<tr>
<td>(1) CLV 440 Oscillating Bar Code Scanner</td>
</tr>
<tr>
<td>(1) CDM420 Kit (includes cloning module &amp; 115VAC power supply)</td>
</tr>
<tr>
<td>(1) CMD Display Module</td>
</tr>
<tr>
<td>(1) WT9 Photo-eye (pre-wired) with mount</td>
</tr>
<tr>
<td>(1) 2 Meter Programming RS232 Cable (Serial Communications)</td>
</tr>
<tr>
<td>(1) Head Mount Bracket (conveyor mount)</td>
</tr>
</tbody>
</table>

*Standard, Low Density Scanner (7” to 24” reading range @ 20 mil)*

Total Price ⇒ **$4,887.00**

### CLV 440 Dual Head Oscillating Hi-Res Scanner Kit:

**Pt. # 9650-763**

<table>
<thead>
<tr>
<th>Oscillating Scanner Kit, Dual Head includes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) CLV 440 Oscillating Barcode Scanners</td>
</tr>
<tr>
<td>(1) CDM420 Kit (includes cloning module &amp; 115VAC power supply)</td>
</tr>
<tr>
<td>(1) CMD 420-0102 AC</td>
</tr>
<tr>
<td>(2) CMD Display Module</td>
</tr>
<tr>
<td>(1) WT9 Photo-eye (pre-wired) with bracket</td>
</tr>
<tr>
<td>(1) 2 Meter Programming RS232 Cable (Serial Communications)</td>
</tr>
<tr>
<td>(2) Head Mount Bracket (conveyor mount)</td>
</tr>
</tbody>
</table>

*Standard, Low Density Scanner (7” to 24” reading range @ 20 mil)*

Total Price ⇒ **$9,288.00**

### CLX 490 Omni Directional Scanner Kit:

**Pt. # (Call for quotation)**

<table>
<thead>
<tr>
<th>Omni Directional Scanner, Single Head includes:</th>
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</thead>
<tbody>
<tr>
<td>(1) CLX 490 Omni Directional Scanner</td>
</tr>
<tr>
<td>(1) CDM490 AC Kit (includes cloning module &amp; 115VAC power supply)</td>
</tr>
<tr>
<td>(1) Trigger Photo-eye (pre-wired) with bracket</td>
</tr>
<tr>
<td>(1) 2 Meter Programming RS232 Cable (Serial Communications)</td>
</tr>
</tbody>
</table>

*Brackets are quoted as required for the application.*

*Standard, High Density Scanner (15.7” to 64” reading range @ 35 mil)*

Total Price ⇒ **$9,000 - $12,000**
<table>
<thead>
<tr>
<th>Custom Configurations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Verification &amp; Handheld Scanning Solutions</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Honeywell – 4600g 2D Handheld Scanner Kit:**  
Pt. # DN4600HPKIT

**Handheld 2D Scanner includes:**
(1) 4600g Handheld 2D Scanner  
(1) Power supply & Serial Cable  
(1) Set-up / Programming Manual

Total Price ⇒ $575.00

**Honeywell – LX3800g Handheld Scanner Kit**  
Pt. # 5760-328

**Handheld Linear Scanner includes:**
(1) LX3800g Handheld Scanner  
(1) Power Supply & Serial Cable  
(1) Set-up / Programming Manual  
(1) Wall and Desktop Holster

Total Price ⇒ $575.00

**Honeywell – Quick Check 800 Series**  
Pt. # 2802-277

**Handheld Linear Verification system includes:**
(1) Linear Imager (Scanner)  
(1) 110 VAC Power Supply  
(1) Controller / Scanner Cable  
(1) Barcode Verification Controller

Total Price ⇒ $2,795.00

**Options**

<table>
<thead>
<tr>
<th>QCHSP68</th>
<th>QC800 Series Verifier Printer</th>
<th>$895.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCHSP68-P</td>
<td>QC800 Printer Paper</td>
<td>$16.00</td>
</tr>
<tr>
<td>QCHSP68-R</td>
<td>QC800 Printer Ribbon</td>
<td>$15.00</td>
</tr>
</tbody>
</table>
RLC 2052 Series Conveyor

**Labeling Configuration**

**Conveyor Width x Length**

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>4’</th>
<th>6’</th>
<th>8’</th>
<th>10’</th>
<th>12’</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to 6”</td>
<td>$3,377</td>
<td>$3,685</td>
<td>$3,992</td>
<td>$4,300</td>
<td>$4,608</td>
</tr>
<tr>
<td>over 6” up to 12”</td>
<td>$3,608</td>
<td>$3,838</td>
<td>$4,223</td>
<td>$4,608</td>
<td>$4,992</td>
</tr>
<tr>
<td>over 12” up to 18”</td>
<td>$3,762</td>
<td>$4,223</td>
<td>$4,685</td>
<td>$5,146</td>
<td>$5,608</td>
</tr>
<tr>
<td>over 18” up to 24”</td>
<td>$3,962</td>
<td>$4,423</td>
<td>$4,885</td>
<td>$5,346</td>
<td>$5,808</td>
</tr>
<tr>
<td>over 24” up to 30”</td>
<td>$4,192</td>
<td>$4,654</td>
<td>$5,115</td>
<td>$5,608</td>
<td>$6,146</td>
</tr>
<tr>
<td>over 30” up to 36”</td>
<td>$4,423</td>
<td>$4,962</td>
<td>$5,500</td>
<td>$6,038</td>
<td>$6,577</td>
</tr>
</tbody>
</table>

**Standard Features**

- (2) Steel support legs (+/-3” adjustment)
- Clipper laced standard belt
- 120 VAC ¾ HP AC Motor and 30:1 Gearbox
- Hollow Shaft Gear – Direct Drive
- Fixed speed – (Variable Speed Drive optional)
- Fully adjustable guide railing (1 mounting bracket per 2ft of conveyor length)
- Powder coated/anodized aluminum and powder coated steel construction
- 1 ¼” Drive and Tail Pulley sealed for life bearings
- Sensor mount (includes Dove Tail Clip – DTC)
- Remote E-Stop
- Fully assembled, ready to run
- Crating

**Optional Features**

- Integrated stand with conveyor w/horizontal kit and H-Base (4ft = $2,385 / add $75 each ft.)
  * Note: Use Part# for PA or LA unit W/O stand.
- Double locking casters w/mounting plate ($269)
- Photo-eye or Reflector mount – Includes DTC ($69)
- Scanner Mounting Plate – Includes DTC ($69)
- Secondary wipe-down mount – side apply – includes DTC & transition plate ($69)
- Bump Turn - Specify low friction belt with bump turn. ($423)
- KB Electronics Variable Speed Drive ($538)
- Powered top hold down – Variable speed drive DC drive, 2”x24” ($4,538)
- Static top hold down - 3’ OAL ($1,285)
- Additional Dove Tail Clips ($35)
## RLC 2052 Series Conveyor

**Coding Configuration**

Conveyor Width x Length

<table>
<thead>
<tr>
<th>Length</th>
<th>4’</th>
<th>6’</th>
<th>8’</th>
<th>10’</th>
<th>12’</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to 6”</td>
<td>$4,108</td>
<td>$4,416</td>
<td>$4,723</td>
<td>$5,031</td>
<td>$5,339</td>
</tr>
<tr>
<td>over 6” up to 12”</td>
<td>$4,339</td>
<td>$4,569</td>
<td>$4,954</td>
<td>$5,339</td>
<td>$5,723</td>
</tr>
<tr>
<td>over 12” up to 18”</td>
<td>$4,493</td>
<td>$4,954</td>
<td>$5,416</td>
<td>$5,877</td>
<td>$6,339</td>
</tr>
<tr>
<td>over 18” up to 24”</td>
<td>$4,693</td>
<td>$5,154</td>
<td>$5,616</td>
<td>$6,077</td>
<td>$6,539</td>
</tr>
<tr>
<td>over 24” up to 30”</td>
<td>$4,923</td>
<td>$5,385</td>
<td>$5,846</td>
<td>$6,339</td>
<td>$6,877</td>
</tr>
<tr>
<td>over 30” up to 36”</td>
<td>$5,154</td>
<td>$5,693</td>
<td>$6,231</td>
<td>$6,769</td>
<td>$7,308</td>
</tr>
</tbody>
</table>

## Standard Features

- (2) Steel support legs (+/-3” adjustment)
- Low friction Seamless belt
- Belt Driven – Timing belt upgrade
- 120 VAC 3/4 HP AC Motor and 30:1 Gearbox
- Hollow Shaft Gear – Direct Drive
- Fixed speed – (Variable Speed Drive optional)
- Fully adjustable guide railing (1 mounting bracket per 2ft of conveyor length)
- Powder coated/anodized aluminum and powder coated steel construction
- 1 ¼” Drive and Tail Pulley sealed for life bearings
- Sensor mount (includes Dove Tail Clip – DTC)
- Remote E-Stop
- Fully assembled, ready to run
- Crating

## Optional Features

- Double locking casters w/mounting plate ($269)
- Photo-eye or Reflector mount – Includes DTC ($69)
- Scanner Mounting Plate – Includes DTC ($69)
- Printhead Mount – * Indicate Linx or LCIJ - includes DTC & transition plate only ($100)
- Printhead Controller Mount – includes DTC & transition plate only ($100)
- Bump Turn - Specify low friction belt with bump turn. ($423)
- KB Electronics Variable Speed Drive ($538)
- Metering Wheel 8” Diameter ($1,692)
- Powered top hold down – Variable speed drive DC drive, 2”x24” ($4,538)
- Static top hold down - 3’ OAL ($1,285)
- Additional Dove Tail Clips ($35)
## RLC 250 Series Conveyor

**Labeling or Coding Configuration**

Conveyor Width x Length

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>4’</th>
<th>6’</th>
<th>8’</th>
<th>10’</th>
<th>12’</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to 6”</td>
<td>$4,069</td>
<td>$4,177</td>
<td>$4,462</td>
<td>$4,731</td>
<td>$5,000</td>
</tr>
<tr>
<td>over 6” up to 12”</td>
<td>$4,238</td>
<td>$4,500</td>
<td>$4,762</td>
<td>$5,023</td>
<td>$5,308</td>
</tr>
<tr>
<td>over 12” up to 18”</td>
<td>$4,569</td>
<td>$4,923</td>
<td>$5,231</td>
<td>$5,615</td>
<td>$6,000</td>
</tr>
<tr>
<td>over 18” up to 24”</td>
<td>$4,769</td>
<td>$5,185</td>
<td>$5,600</td>
<td>$6,015</td>
<td>$6,431</td>
</tr>
<tr>
<td>over 24” up to 30”</td>
<td>$5,308</td>
<td>$5,769</td>
<td>$6,231</td>
<td>$6,846</td>
<td>$7,538</td>
</tr>
<tr>
<td>over 30” up to 36”</td>
<td>$5,692</td>
<td>$6,308</td>
<td>$6,923</td>
<td>$7,538</td>
<td>$8,154</td>
</tr>
</tbody>
</table>

### Standard Features

- (2) Steel support legs with leveling feet (+/-3” adjustment)
- Endless / Seamless belt
- Variable speed ¼ HP DC motor & gearbox
- HTD Timing Belt Drive with Protective Guard
- Fully adjustable guide railing (1 mounting bracket per 2ft of conveyor length)
- Powder coated/anodized aluminum and powder coated steel construction
- ¾” Drive and Tail Pulley sealed for life bearings
- Fully assembled, ready to run
- Crating

### Optional Features

- Double locking casters w/mounting plate – ($269)
- H-base with double locking casters and leveling feet - *As shown in main photo* ($654)
- Photo-eye, Reflector or Scanner mount – Includes DTC ($69)
- 120VAC Single Phase on/off switch with heater element. ($231)
- Integrated stand with conveyor w/horizontal kit and H-Base (6ft = $1,808 / add $80 each (2) ft.)
  * Note: Use Part# for PA or LA unit W/O stand.
- Print head Mount – * Indicate Linx or LCij - includes DTC & transition plate only ($100)
- Print head Controller Mount – includes DTC & transition plate only ($100)
- Bump Turn - Specify low friction belt with bump turn. ($423)
- Metering Wheel 8” Diameter ($1,692)
- Powered top hold down – Variable speed drive DC drive, 2”x24” ($4,538)
- Static top hold down - 3’ OAL ($1,285)
- Remote E-Stop ($231)
- Additional Dove Tail Clips ($35)

*SA.RD.05.02*
Custom Configurations

Budgetary Pricing Only – All prices must be reviewed prior to placing an order
Pricing based on 6ft conveyors

**Budgetary Pricing**

- Product Reject Conveyor - $15,000 - $28,000
- Manual Feed Conveyor with Jig - $7900 - $14,500
- Stainless Steel Conveyors - $12,000 - $27,000
- Round Product Labeling - $16,500 - $24,500
- Bottom Labeling (Dual Belt Design) - $8,500 - $17,500
- Vacuum Grid Conveyor w/feeder - $23,500 - $35,000
- Top and Bottom Labeling (Split Belt) - $18,500 - $25,000
- Integrated Redundant Labeling System w/validation - $25,000 - $30,000
- Environmental Enclosures -
  - Standard - $2,150
  - Positive Pressure - $2,550
  - Heated 400 W - $3,640
  - Heated 800 W - $3,850
- Traversing Systems (Single – Dual Axis) - $12,200 - $24,900

(All budgetary pricing subject to change, please request quotation prior to presenting a firm quotation)

<table>
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<th>Revision</th>
<th>Description</th>
<th>Date</th>
<th>By</th>
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</thead>
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<td>A</td>
<td>Initial Release</td>
<td>4/22/10</td>
<td>D. Neal</td>
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