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Preprogrammable length, speed and dwell swallow changeover for up to 20 products. Product and film positioning are servo controlled. Messages function guide the user through each operation.

Designed to Take on Your Future
As your needs change, this modular machine can grow with your business. Options include automatic film splicing, reject stations, air evacuation, package gusseting, product feeding and downstream cartoning.

Flexibility
The adjustable former option for the Linium 301 means fewer change parts for applications running a variety of products.

Sanitary
Cantilevered infeed and hinged finished deck plates allow full access for cleaning and inspection

Servo Technology
Direct drive design means fewer parts, fewer repairs. Linium wrappers run smooth and consistent even under high-speed conditions.

Bosch’s legacy of packaging innovation spans more than 60 years. Throughout our history Bosch has held fast to its commitment to continuous product improvement, innovative ideas and pro-active customer service. That’s why companies around the world have chosen Bosch.

Doboy’s heritage extends even further back. Doboy is the only company in the world with a complete line of horizontal flow wrappers and has delivered more than 65,000 machines to the worldwide packaging industry.

Typical Applications

<table>
<thead>
<tr>
<th>Model/Technology</th>
<th>Product Size (mm)</th>
<th>Typical Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFB-2</td>
<td>50 – 150 L</td>
<td>Original delivery for smooth transfer. Manual or automatic. Rectangle or round products. Moderate to high speeds.</td>
</tr>
<tr>
<td>CFB-3</td>
<td>20 – 75 W</td>
<td>Breadth loading possible. Servo driven smart belt position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>Cross Belt Feeders</td>
<td>6 – 30 L</td>
<td>Delivers on-edge biscuits or crackers to the Linium 301 on-edge wrapper. Cross chain conveyor for manual or automatic slug loading. Cam driven transfer for gravity delivery.</td>
</tr>
<tr>
<td>IL2</td>
<td>30 – 150 L</td>
<td>Servo driven belts position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>IL6</td>
<td>30 – 140 W</td>
<td>Servo driven belts position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>LPF</td>
<td>6 – 50 H</td>
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</tr>
<tr>
<td>LPIL3</td>
<td>85 – 165 W</td>
<td>Servo driven belts position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>LPIL4</td>
<td>60 – 120 L</td>
<td>Servo driven belts position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>LPIL6</td>
<td>60 – 140 W</td>
<td>Servo driven belts position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>LPIL7</td>
<td>6 – 30 H</td>
<td>Servo driven belts position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>LPIL8</td>
<td>60 – 120 L</td>
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</tr>
<tr>
<td>LPIL9</td>
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<td>Servo driven belts position products into the belt wrapper flights. Ideal for various applications.</td>
</tr>
<tr>
<td>LPIL10</td>
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<tr>
<td>LPIL11</td>
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<tr>
<td>LPIL12</td>
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<tr>
<td>LPIL13</td>
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Linium 300 Series

A New Dimension in Horizontal Flow Wrapping
Revolutionizing the packaging world with innovative engineering, versatility and ease-of-use, Bosch has ushered in a whole new generation of horizontal flow wrappers.

- Direct drive for dependability
- Compact design saves floor space
- Package recipe storage
- Speeds changeovers
- Servo technology increases flexibility and speed
- Modular for custom applications

A Great Performer Now and in the Future

- Servo technology increases speeds changeovers
- Package recipe storage
- Compact design saves floor space
- Direct drive for dependability
- Fewer parts and easier access make the Linium Series very productive part of any packaging operation.

Ease-of-use are what make Doboy Linium wrappers a common feature in Flow Wrapping Applications.

Linium 301

The most versatile Linium model for typical horizontal wrapping applications

Features
- Flexible to handle large and small product sizes
- Versatile and economical for small production runs
- Durable to handle high-speed production
- Simple to operate and maintain with existing staff!
- Fast delivery

Configurations
- Hand load or automatically fed
- Painted steel or stainless steel for meat and dairy applications

Applications
- Food or non-food items
- Single or multi-packs
- Trays
- Biscuits and bakery
- Sandwiches
- Sandwich crackers
- Donuts
- Non-food items

Packaging Materials
- Heat seal films
- Polyolefins

Linium 302

Packaging Large Bag, on edge products

Features
- Durable and sanitary design
- Servo driven (infeed, finwheels, side chains and cutting head) enhancing functionality
- Easy to load with cars open within tight or optional cross conveyors

Configurations
- Hand load or integrated with automatic loading
- Right or left hand orientation

Applications
- Biscuits
- Wafers
- Crackers
- Sandwich crackers
- Donuts
- Non-food items

Packaging Materials
- Heat seal films
- Polyolefins

Linium 303

Packaging high integrity wrapping applications

Features
- Hermetic end-seals: Long dwell end-seal unit extends sealing time
- High sealing pressure, throughout the sealing cycle, optimizes dwell effectiveness
- Hermetic fit-seal: Two heated finwheel sets extend sealing time

Configurations
- Basic configuration for difficult to seal films
- Pharmaceutical/medical configuration with options to add validation
- Modified atmosphere packaging configuration (MAP or gas flush)
- Sealed film or stainless steel for meat and dairy applications

Applications
- Pharmaceutical items
- Medical items
- Extended shelf life bakery packaging
- Moist towels
- Photographic film
- Coffee packets
- Meat and cheese items

Packaging Materials
- Foil laminate structures
- Heat sealable polypropylene
- Gas or vapor barrier films

Linium 304, 305

Versatile polyethylene and shrunk wrappers

Linium 304 Features
- Long dwell end-seal knife providing quality seals on heavier polyethylene films
- Inlet and outlet conveyers oscillate with the dwell head giving a smooth product transfer, even with small products

Linium 305 Features
- High-speed rotary end-seal knife, simple design
- Speeds up to 300 packages per minute

Common Features
- Smooth bottom lap seal (static or hot shoe seal)
- Without trim waste
- Significantly reduces the film tension of thin gauge films
- Completely wrapped and sealed packages

Configurations
- Hand load or integrated with automatic loading
- With or without a shrink tunnel
- Standard or combination static/hot shoe lap seal
- Painted steel or stainless steel construction

Applications
- Retail display cartons
- Paper and literature items
- Video tapes, CDs and DVDs
- Confection boxes
- Candles
- Soap
- Food items

Packaging Materials
- Polyethylene
- PVC
- Blended polypropylene/ polyethylene

Linium 301

Linium 302

Linium 303

Linium 304

Linium 305