Steam Shrink Tunnels

PDC makes a wide range of steam, convection hot air and infrared radiant shrink tunnels specifically for the application of heat shrinkable sleeve labels and tamper evident bands. Our steam shrink tunnels provide the most uniform and distortion-free results and are particularly well suited for full body shrink labels.

All tunnels are fabricated of heavy gauge stainless steel and are of Dual Wall Construction that provides for optimal energy efficiency, while insulating operators from exposure to high temperatures.

In addition to the standard line, PDC can also customize the ideal system for your specific application. With its extensive experience with all variations of shrink sleeve applications, PDC utilizes a combination of technologies to produce the optimal product appearance, such as a steam tunnel and a hot air tunnel used in sequence or, for some applications, a pre-shrink or post-shrink unit are added before or after the tunnels.

PDC Steam Shrink Tunnels are manufactured to the highest standards for the food, beverage and dairy industries. No matter what the application, PDC can supply you with the perfect combination of shrink systems to optimize the selling power of your product.

Model Ranges

Single Zone Tunnels

<table>
<thead>
<tr>
<th>Length Range</th>
<th>60 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Dimensions</td>
<td></td>
</tr>
<tr>
<td>Height Range</td>
<td>8 to 12 inches</td>
</tr>
<tr>
<td>Width Range</td>
<td>7 to 9 inches</td>
</tr>
</tbody>
</table>

Dual Zone Tunnels

<table>
<thead>
<tr>
<th>Length Range</th>
<th>80 inch (2) x 40 inch zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Dimensions</td>
<td></td>
</tr>
<tr>
<td>Height Range</td>
<td>10 to 12 inches</td>
</tr>
<tr>
<td>Width Range</td>
<td>7 to 9 inches</td>
</tr>
</tbody>
</table>

Custom sized tunnels are also available.
Steam Shrink Tunnels

An adjustable manifold system provides highly efficient, reliable and low cost means of rapidly supplying steam directly to the heat shrinkable sleeves.

Adjustable Steam Distributors

PDC tunnels have either 4 or 5 rows of tubes on each side and each tube is externally adjustable for steam volume, flow and rotary position of nozzles. This allows focused application of steam to specific points on the package and adjustments can be made without waiting for the tunnel to cool down.

Standard Features

- Stainless Dual Wall Construction
- Single or Dual Zones
- Tunnel Stand
- Condensate Drip Pan to Capture Condensate
- Venting Hoods

Electrical Requirements

- 120 VAC 1 ph – Optional Electronic Regulator

General

- Made in the USA Using Off-the-shelf Components
- Complete Documentation
- Skidding and Wrapping for Shipment

Optional Features

- Tunnel Stands and Accessories – all Fabricated from Stainless Steel
- Steam Filter for Filtering the Steam to .5 Micron to Provide Culinary Grade Steam

- Digital Temperature Readouts
- Fuse Protection for all Circuits
- Solid State Thermostatic Controls with Status Lights
- NEMA 4 Electrical Enclosures
- Tunnel Temperature Alarms

Efficiency Upgrades

- Cantilevered Tunnel Stand for Easy Raising and Lowering
- Powered Venting Manifold and Condensate Diverter Package

Special Optional Features For Labeling Empty Bottles

- Culinary Upgrades – All Stainless Steel Construction
  - Eliminating all Copper Piping
- Heated Shroud to Prevent Condensate Drip into Empty Containers

- UL Approvable Electrical Upgrade
- Zero Access Guarding – Complete Safety Enclosure with Doors Interlocked to Tunnel and Machine Function

Pre and Post Shrink Systems

PDC Pre-Shrink systems apply focused heat before the shrink tunnel to optimize the positioning of the shrinkband. Post-Shrink systems apply concentrated heat after the product exits the shrink tunnel to complete the shrinking of the shrink sleeve. These systems are often interfaced with the machine and include adjustable mounts, an air regulator and filter and fused disconnect.

Call Us Today And See What PDC Can Do For You!

Count on PDC for consistent performance, optimum efficiency and maximum line uptime.

Find out more about the POWER BEHIND THE PACKAGE.

Steam Shrink Tunnels

Culinary Upgrades – All Stainless Steel Construction

Eliminating all Copper Piping

Heated Shroud to Prevent Condensate Drip into Empty Containers

UL Approvable Electrical Upgrade

Zero Access Guarding – Complete Safety Enclosure with Doors Interlocked to Tunnel and Machine Function

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