Shrinking Dryer Series
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TENSIONLESS DRYER
LK625 Series

LK 625 Tensionless Dryer is working under wet conditions to process the drying processes, to avoid the fabrics been stretched in weft or warp direction, and let the fabrics be relaxed in normal drying status, will be fully shrink and reach at the maximum fabric shrinkage rate, not only stabilize the fabric sizes, but also increase the softness and handle of fabric.

LK 625 Series
Computerized Control Tensionless Dryer have the following features:

- Operation interface based on humanized principles and combined with manager men design requirement.
- Commissioning flows in computerized control, to highlight the product quality.
- Incorporate with central automation process in PLC control system, integrate the turn-key plant automations.
- LK have developed it’s own software and hardware, so, it can expand more versatility and maintenance without any problems.
- It can be through INTERNET for monitoring your machine functions. Easy for maintenance.
LK-625 Series/LK-625T Series

入布縮碼系統

- LK-625採用特制之兩電路方式精準控制縮碼系統。
- LK-625入布裝置採送網式，使布匹真正自然且整齊地進行縮碼縮布功能。
- 烘箱轉送網採比例運動調整方式控制，各輸送網可獨立調整，布匹以最自然縮放方式縮縮烘乾。

Entrance overfeeding system

- LK-625 is adopted of the unique modulating motor for driven control and feed-back control system, by close cycle loops for precise overfeeding control system.
- The fabric entry device of LK-625 is adopted of conveyor belt transporting system, to let the fabric passing in complete releasing status to precede the overfeeding and in-feeding functions.
- Each conveyor belt of heating oven is adopted of automatic modulating driven system, each conveyor belt can be adjusted individually, the fabrics will be treated in relaxing and shrinking at optimal drying condition.

LK-625V Series

鍊條式縮拉縮系統

- 擬採用型專用型運動比例設定及退縮控制表，以最適當方式精準控制縮拉縮系統。
- 通過採用氛圍式縮縮控制，方便操作又美觀。
- 入布編選及輔助托板，結合平網帶組，易於操作上手，縮縮帶布時，增加布邊下壓時間，避免布邊起毛。

In-feed vertical chain transporting and overfeeding

- Adopted of LK specialized model for auto modulating setting, feed-back controller, closed cycle to accurate control the overfeeding system.
- By virtue of humanized pneumatic control, easy to operate and smooth looking.
- Fabric entry rolling and auxiliary supporting plate, to combine with belt driven, easy for fabric pinning on.
- Overfeeding press on brush with the belt type, increase the fabric selvage pressing time, to avoid the fabric selvage pinning off.

雙上漿機組合（選配）

- 適合各種短纖織物，使其上漿平均節省藥劑。

Twin Paddle mangle combinations (Optional)

- For the various spun yarns knitwear’s, to let the chemicals distribution and save the chemicals.
**TENSIONLESS DRYER**

**High efficiency hot air circulation system**

- The jet nozzle is adopted of special ducting structure, thought computer design of the air integration ideas, ensure the hot air will be uniformly distributed, air volume and temperature in optimal distributions.
- Permits development of 3-dimensional and expressive structures during passage though the dryer, to control fabric dynamics, long retention times and high overflow rates.
- The jet nozzle is adopted of upper and down interchange arrangement, ensure the fabric in tumble movement operation, fabric in natural and relaxed condition to reach the maximum vibration and drying efficiency, also in optimal shrinkage rate.
- Screen filter is adopted of double screen filters designs, is easily accessible and the air circulation filters can be cleaned during operation without stopping the machine. It save time of maintenances.

**Exhausting system**

- The exhaust moisture air volume designs and airing circulations will be matched in best ratio, ensure the heating oven temperature uniformly and energy in effective use.
- Scientific digital management ideas, incorporate with exhaust blower inverter control and fabric thermo-fixing quality demand, ensure energy saving cost will comply with economic efficiency.
- It can be combined with exhaust moisture automatic control system, for the fully automatic moisture detecting and controllable demand in heating oven. (Optional)
**Main control cabinet system**

- By virtue of single point distribution control, central management in PLC interface control system, easy to operate.
- Human design operation interface will meet the operator demands.
- Combine with central automation flow charts control system, for the turn-key plant automation management.

**Exit devices**

- By virtue of conveyor belt delivery at the exit, and with closed circuits control system, at the same time, it can be adjusted the running speed of conveyor belt individually, to let the fabric delivery in most relaxing and natural way.
LK-625V Series

**Machine Dimension**

<table>
<thead>
<tr>
<th>Machine Width (mm)</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>E1</th>
<th>E3</th>
<th>Working Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>2412</td>
<td>2700</td>
<td>2360</td>
<td>4130</td>
<td>4030</td>
<td>1850mm</td>
</tr>
<tr>
<td>2300</td>
<td>2712</td>
<td>3000</td>
<td>2660</td>
<td>4430</td>
<td>4330</td>
<td>2150mm</td>
</tr>
<tr>
<td>2500</td>
<td>2912</td>
<td>3200</td>
<td>2860</td>
<td>4630</td>
<td>4530</td>
<td>2350mm</td>
</tr>
<tr>
<td>2700</td>
<td>3112</td>
<td>3350</td>
<td>2960</td>
<td>4830</td>
<td>4730</td>
<td>2550mm</td>
</tr>
<tr>
<td>2800</td>
<td>3212</td>
<td>3450</td>
<td>3060</td>
<td>4930</td>
<td>4830</td>
<td>2650mm</td>
</tr>
<tr>
<td>3000</td>
<td>3412</td>
<td>3650</td>
<td>3260</td>
<td>5130</td>
<td>5030</td>
<td>2850mm</td>
</tr>
</tbody>
</table>

**Basic Design**

<table>
<thead>
<tr>
<th>Chamber</th>
<th>P</th>
<th>L1</th>
<th>L2</th>
<th>Max Speed</th>
<th>Fan HP</th>
<th>Heating Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4440</td>
<td>18310</td>
<td>18890</td>
<td>30M/min</td>
<td>2x4HP</td>
<td>60kW</td>
</tr>
<tr>
<td>3</td>
<td>6330</td>
<td>20410</td>
<td>20990</td>
<td>30M/min</td>
<td>3x4HP</td>
<td>90kW</td>
</tr>
<tr>
<td>4</td>
<td>8630</td>
<td>22510</td>
<td>23090</td>
<td>40M/min</td>
<td>4x4HP</td>
<td>120kW</td>
</tr>
<tr>
<td>5</td>
<td>10730</td>
<td>24610</td>
<td>25190</td>
<td>60M/min</td>
<td>5x4HP</td>
<td>150kW</td>
</tr>
<tr>
<td>6</td>
<td>12830</td>
<td>26710</td>
<td>27290</td>
<td>60M/min</td>
<td>6x4HP</td>
<td>180kW</td>
</tr>
</tbody>
</table>

**Working Temp and Heat Source**

<table>
<thead>
<tr>
<th>Heat Source</th>
<th>Working Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPG, or NG</td>
<td>220°C max</td>
</tr>
<tr>
<td>Thermo Oil</td>
<td>220°C max</td>
</tr>
<tr>
<td>Steam</td>
<td>6kg/cm² + 130°C max</td>
</tr>
<tr>
<td>Steam+Electric</td>
<td>195°C max</td>
</tr>
</tbody>
</table>

*Our Company has the right to change the designs. If the sizes need to be changed, we will not inform again.*