High throughput and improved productivity

Efficient and reliable material flow – Our automated paper and tote handling systems guarantee a rapid material flow in your warehouse and significantly improve your productivity. High throughput rates, reliable order processing and rational tote transport are key to the economic success of your company.

FEATURES AND BENEFITS

- Flexible integration to complement any conventional conveying system
- High productivity thanks to the automation of time-consuming and monotonous tasks
- Highly economical and time-saving, e.g. through just-in-time transmission of print files
- Permanent and supreme quality through mechanized processes
- Improved throughput rates as a result of automated order processing
- Particularly maintenance-friendly due to modular and easily accessible construction of built-in and functional components
- Low-noise performance and economical use of energy
- Highest flexibility due to modular extensibility and integration in all known conveying systems
Paper Handling Systems

Systems designed to complement existing equipment suiting throughput requirement – Our paper handling systems are used within semi or fully automated picking systems to complement all operations and may be combined with existing systems. Paper handling systems are used for automatic order initiation and selective invoice insertion as well as for adding addresses and/or labels to all types of goods.

Product overview

- **Schäfer Compact Insertion**
  Inserting order-specific documents in loading aids

- **Lidding and address insertion machine**
  Combined insertion of order-specific documents and lidding with window showing shipping information

- **Automatic Labeling system**
  Automatic application of labels

- **Address insertion machine**
  Labels are removed from flaps on the totes and new labels are inserted

- **Label adding device**
  Automatic insertion of labels in loading aid

Technical data

<table>
<thead>
<tr>
<th>System name</th>
<th>Number of sheets/loading aid</th>
<th>Max. throughput in totes/h single operation</th>
<th>Max. throughput in totes/h parallel operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schäfer Compact Insertion</td>
<td>1-30</td>
<td>800</td>
<td>1,800*²</td>
</tr>
<tr>
<td>Lidding and address insertion machine</td>
<td>1</td>
<td>1,200</td>
<td>1,800</td>
</tr>
<tr>
<td>Automatic Labeling system</td>
<td>1,200</td>
<td>1,200</td>
<td>1,800</td>
</tr>
<tr>
<td>Address insertion machine</td>
<td>1,200</td>
<td>1,200</td>
<td>1,800</td>
</tr>
<tr>
<td>Label adding device</td>
<td>1,200</td>
<td>1,200</td>
<td>1,800</td>
</tr>
</tbody>
</table>

*restrictions apply for all handled load carriers  *²Triple System
Tote Handling Systems

Exact supply and handling of totes accelerate order processing – SSI Schaefer automated tote handling systems keep up with the speed of material flow meeting highest possible throughput requirements. Separating, emptying, closing and supplying totes in the shipping areas are carried out with high precision.

Automated tote handling systems optimize fast material flows and significantly improve your productivity.

Product overview

- **Tote stacker/de-stacker**
  - Single or double stacking individual or combined system
- **Tote emptying machine**
  - Continuous emptying operation
- **Lidding machine**
  - Single, double or quadruple operation also for different tote heights
- **Lid closer**
  - Closing totes with flaps
- **Linear tray loading station**
  - Loading trays with cartons
- **Tray loading/unloading station**
  - Loading and unloading trays with cartons or other products
- **Vertical lift conveyor**
  - Vertical transport of loading aids (singles or stacks)

Technical data

<table>
<thead>
<tr>
<th>System name</th>
<th>Max. throughput in totes/h</th>
<th>Tote length* (mm) min/max</th>
<th>Tote width* (mm) min/max</th>
<th>Tote height* (mm) min/max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tote stacker/de-stacker</td>
<td>1,800</td>
<td>400 - 650</td>
<td>200 - 500</td>
<td>110 - 400</td>
</tr>
<tr>
<td>Tote emptying machine</td>
<td>2,000</td>
<td>400 - 650</td>
<td>200 - 500</td>
<td>110 - 320</td>
</tr>
<tr>
<td>Lidding machine</td>
<td>2,600</td>
<td>400 - 650</td>
<td>200 - 400</td>
<td></td>
</tr>
<tr>
<td>Lid closer</td>
<td>1,800</td>
<td>400 - 650</td>
<td>200 - 500</td>
<td></td>
</tr>
<tr>
<td>Linear tray loading station</td>
<td>1,500</td>
<td>300 - 650</td>
<td>210 - 400</td>
<td></td>
</tr>
<tr>
<td>Tray loading/unloading station</td>
<td>900/1,400</td>
<td>120 - 610*²</td>
<td>120 - 410*²</td>
<td>510*²</td>
</tr>
<tr>
<td>Vertical lift conveyor</td>
<td>500</td>
<td>400 - 650</td>
<td>200 - 400</td>
<td>1,500</td>
</tr>
</tbody>
</table>

*relative size ratio restrictions apply for all handled load carriers

*²product specifications apply