CARTONING MACHINE TECHNOLOGY – GAINING YOUR CONFIDENCE

With IWK you have a most competent partner at your side for solving complex inquiries and challenges aiming to the future, with a clear understanding of your market and your demands. As far as the packaging technology is concerned, we offer comprehensive and extensive know-how, competence and experience. Documentation and certification support is available as an option to reduce qualification and validation time.
IWK TECHNOLOGY –
A GUARANTEE FOR BEING ON THE SAFE SIDE

The continuous and intermittent cartoning machine generation meets with your requirements

The SC/SI 5 machine series was specifically designed for applications in the pharmaceutical and cosmetics industry for low and medium machine outputs up to 100 resp. 200 cartons/min. Here are some of the convincing, outstanding machine features:

- design and machine functions meeting the requirements of the pharmaceutical industry
- short and space saving footprint
- easy, reproducible and nearly tool-free size changeovers
- modular design with machine preparations for additional functions in the future
- use of the servo drive technology for the optimal adaptation of machine functions to the packaging process requirements
MATURE TECHNIQUE FOR ENHANCED PRODUCTIVITY

Workstations in detail

Carton pick-up
A newly designed cycloidal gear is used for the carton pickup. Cartons are picked up from the carton magazine by a rotating one- or two-arm suction system at a rate of 100 resp. 200 cartons/min. depending on the intermittent/continuous machine version SC/SI 5. Cartons positively opened by lever(s) and stationary counter suction cup(s) are transferred to the carton conveyor. Suction arm(s) and counter suction cup(s) position(s) must only be changed in case of a carton size changeover.
Product loading into the carton
Gentle product loading into the carton (with overload protection) is guaranteed. Carton loading is suppressed by a skip feed system in case of missing cartons, products or leaflets. Products and/or leaflets which are not loaded into cartons are rejected into separate reject bins.
IWK’S PROFICIENCY – YOUR PROFIT

Improved efficiency
Teleservice is available to save time and money through remote diagnostics and immediate fault correction without the need of having a service technician at site. Integrated electronic machine documentation allows for direct access to drawings and functional machine descriptions. Machine controls include a detailed spare parts catalogue which is literally at your finger tips.

Flexibility – second to none
The modular design concept is an ideal pre-requisite for add-ons to the machine or retrofits in the future.

Machine controls
Machine setup as well as format data are displayed on a 5.7” or 15.4” colour touch-screen operating panel. Outstanding process safety is guaranteed by servo drives.

Optional equipment

**Leaflet feeding**
- flat sheet leaflets
- prefolded leaflets
- various leaflet folding and feeding machines

**Standard product transfers for**
- bottles
- tubes
- Blister
- booklets/sachets

**Entire range of pharmaceutical control systems like**
- code reading of leaflets on one or on both sides
- code reading of cartons
- leaflet presence verification in the carton (Lumat)
- carton code verification, use of a camera as an option

**For complex product transfers: FeedCell**
(modular universal transfer solutions)

**Carton coding**
- emboss coding
- inkjet application
- laser coding

**Rejection of faulty packs with reject control**
(in case the reject control is used the carton stays in the discharge belts of the machine whilst the machine is stopped for manual removal of the faulty pack)

**Various carton closing systems are available**
- tuck closure
- glue closure
- tuck closure in combination with glue application on the dust flaps
## TECHNICAL DATA

### Cartoning machine model CARTOPAC SC 5

<table>
<thead>
<tr>
<th>Working principle</th>
<th>continuous</th>
<th>continuous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size range, machine with 2 chains (mm)</td>
<td>A 20-75 B 15-75 H 50-85</td>
<td>A 20-75 B 15-75 H 65-180</td>
</tr>
<tr>
<td>Size range, machine with 4 chains (mm)</td>
<td>A 25-55 B 20-45 H 105-230</td>
<td>A 20-75 B 15-75 H 85-230</td>
</tr>
<tr>
<td>Max. output (cartons/min.)</td>
<td>510</td>
<td>450</td>
</tr>
<tr>
<td>Power rating</td>
<td>3 × 400 V/50Hz</td>
<td>3 × 400 V/50Hz</td>
</tr>
</tbody>
</table>

### Cartoning machine model CARTOPAC SC 6

<table>
<thead>
<tr>
<th>Working principle</th>
<th>intermitttent</th>
<th>intermitttent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size range, machine with 3 chains (mm)</td>
<td>A 20-75 B 15-75 H 65-180</td>
<td>A 20-100 B 15-100 H 65-230</td>
</tr>
<tr>
<td>Size range, machine with 4 chains (mm)</td>
<td>A 20-75 B 15-75 H 85-230</td>
<td>A 20-125 B 15-125 H 85-230</td>
</tr>
<tr>
<td>Max. output (cartons/min.)</td>
<td>200</td>
<td>100</td>
</tr>
<tr>
<td>Power rating</td>
<td>3 × 400 V/50Hz</td>
<td>3 × 400 V/50Hz</td>
</tr>
</tbody>
</table>

### Cartoning machine model CARTOPAC SI 6

<table>
<thead>
<tr>
<th>Working principle</th>
<th>intermitttent</th>
<th>continuous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size range, machine with 3 chains (mm)</td>
<td>A 20-125 B 15-125 H 65-180</td>
<td>A 40-165 B 20-75 H 65-180</td>
</tr>
<tr>
<td>Size range, machine with 4 chains (mm)</td>
<td>A 20-125 B 15-125 H 65-230</td>
<td>A 40-165 B 20-75 H 85-230</td>
</tr>
<tr>
<td>Max. output (cartons/min.)</td>
<td>60</td>
<td>150</td>
</tr>
<tr>
<td>Power rating</td>
<td>3 × 400 V/50Hz</td>
<td>3 × 400 V/50Hz</td>
</tr>
</tbody>
</table>