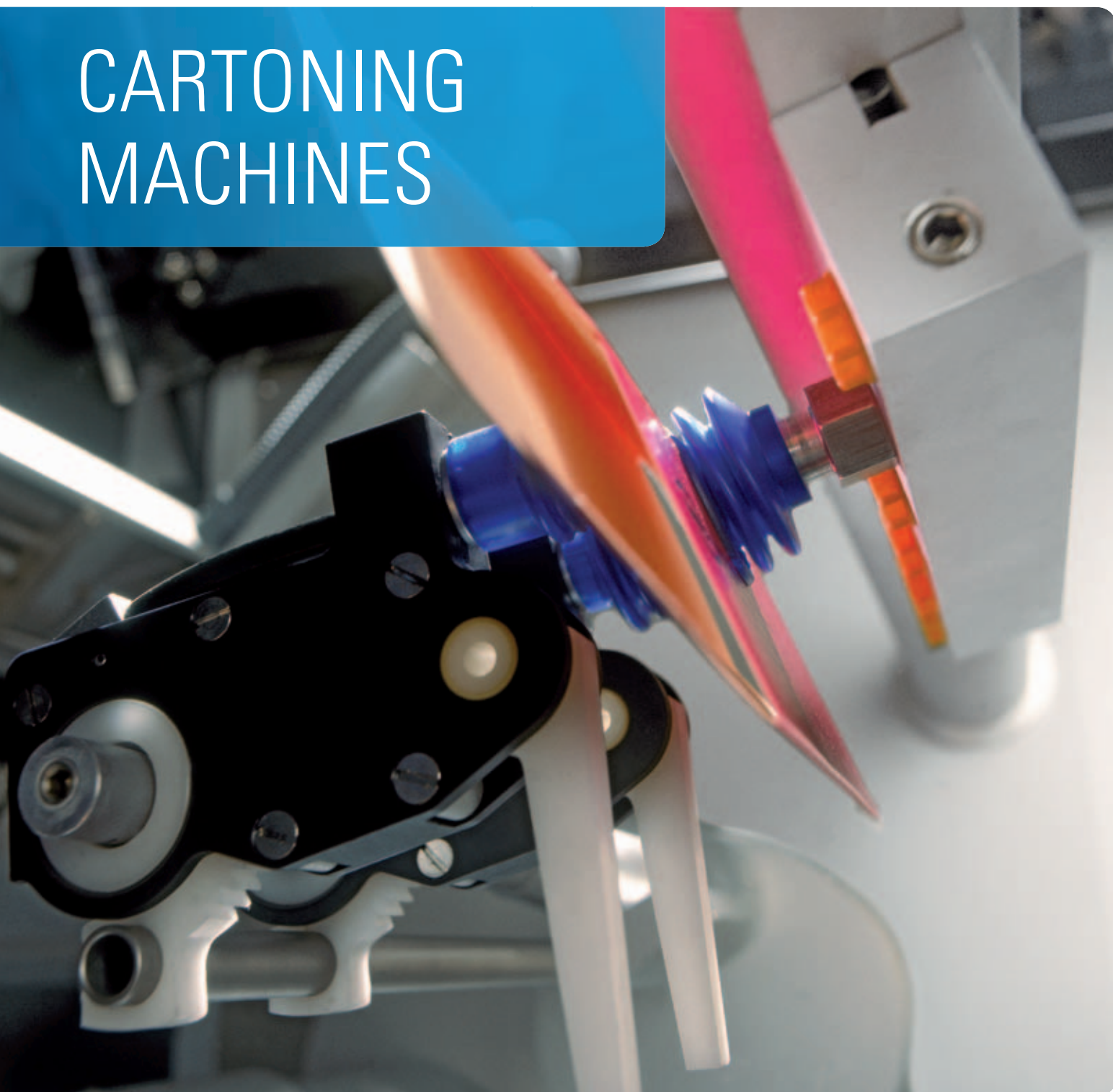


CARTOPAC SC 4/6/8 | CARTOPAC SI 4/6/8

# CARTONING MACHINES



## **CARTONING MACHINE TECHNOLOGY – GAINING YOUR CONFIDENCE**

With IWK you have a most competent partner at your side for solving complex issues 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

At outputs of up to 450 cartons/min the SC 4 cartoning machine was primarily designed for applications in the pharmaceutical health care and cosmetics industry. Here are some of the convincing, outstanding machine features:

- design and machine functions meeting the requirements of the pharmaceutical industry
- simple and tool-free size changeover
- use of the servo drive technology for the optimal adaptation of machine functions to the packaging process requirements



CARTOPAC SC 4/6

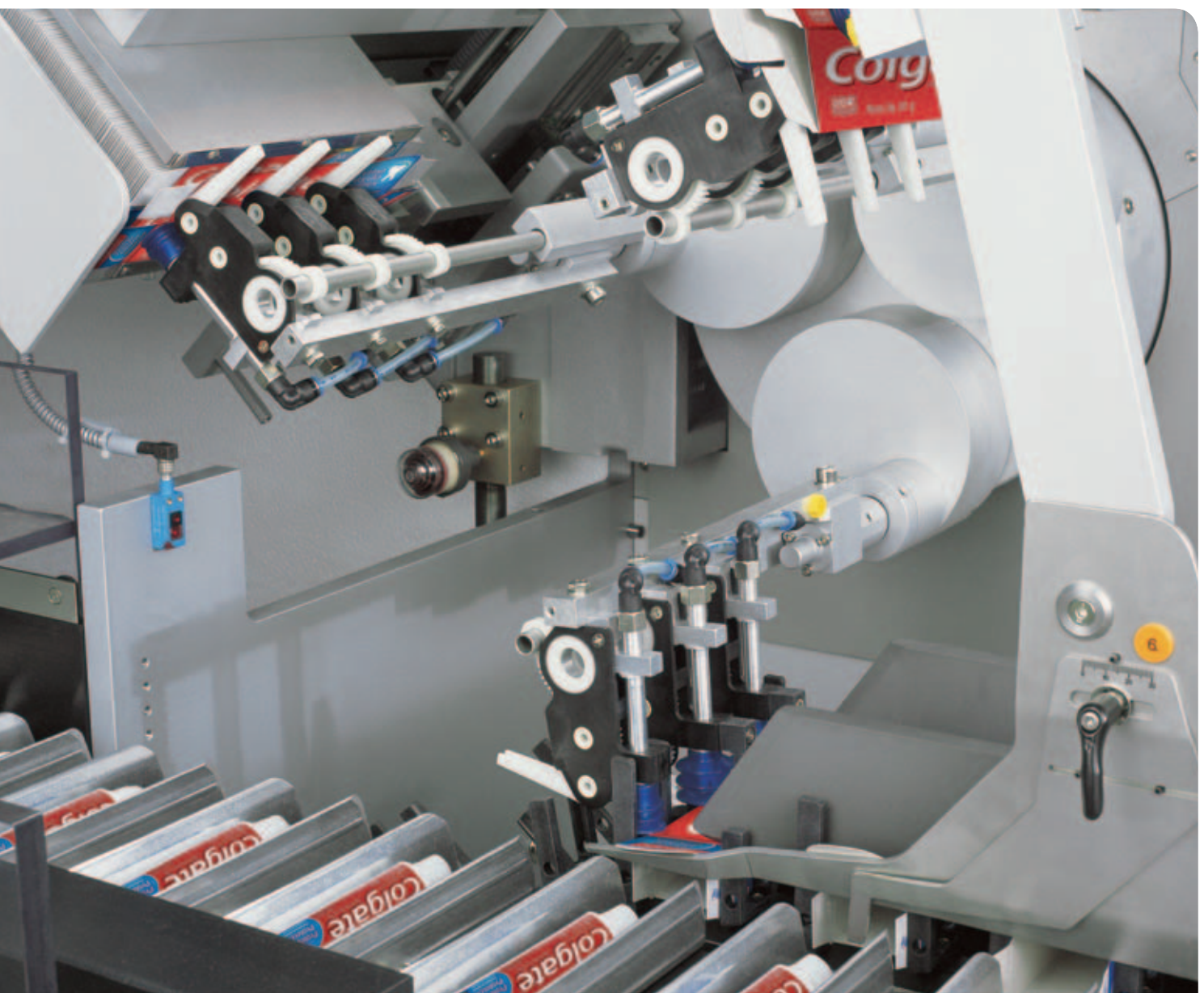
## MATURE TECHNIQUE FOR ENHANCED PRODUCTIVITY

### Workstations in detail

#### Carton pickup

A cycloidal gear is used for the high-speed carton pickup. The heavy duty drive system is well capable of handling poor carton qualities at outputs of up to 450 cartons/min without a problem due to a second drive unit for the positive carton erection. The carton magazine height meets ergonomic requirements. Products and leaflets not loaded into the cartons are rejected into dedicated reject bins. A reject system with reject control in the cartoner discharge area is available as an option.

#### Carton opening





Auger transfer of bottles



Gentle, continuous product loading stroke. Leaflet pre-insertion into the carton for up to 50 mm loading depth.



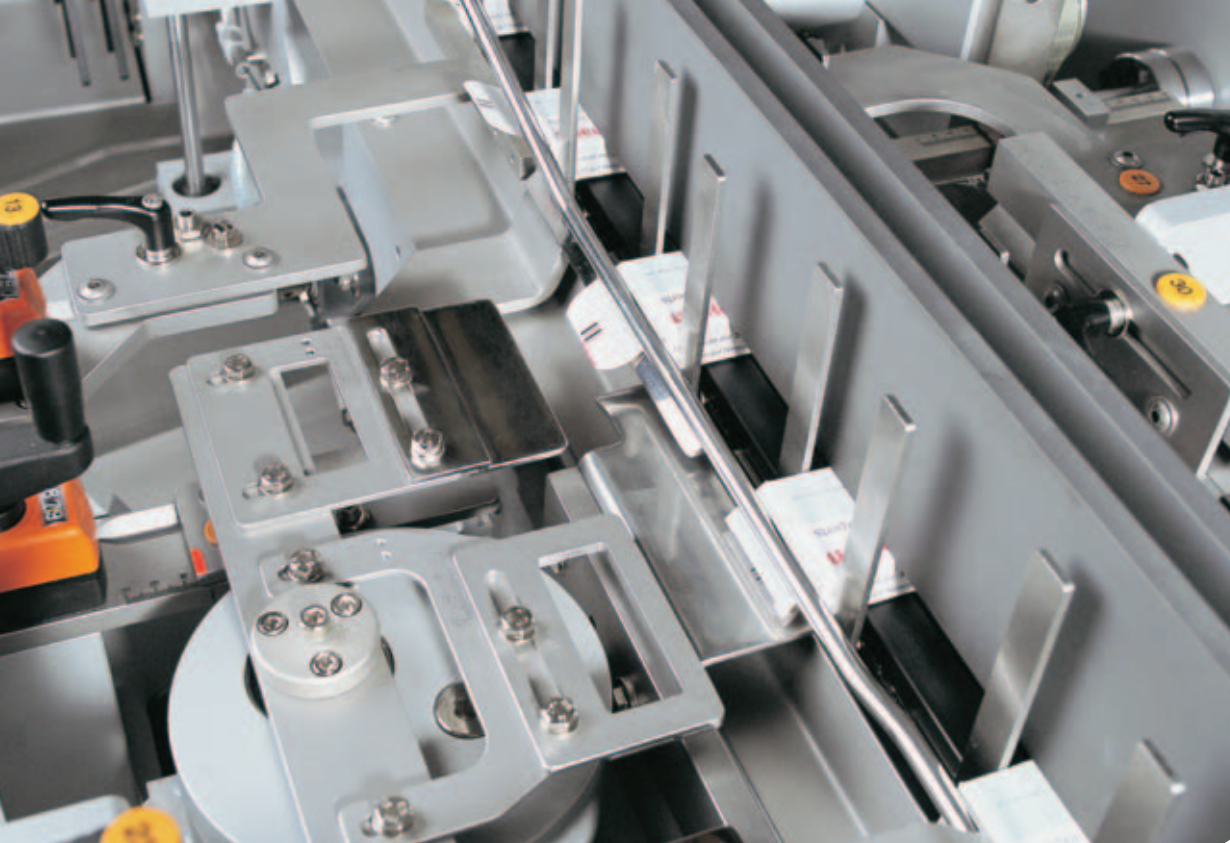
Patented leaflet feeding system



#### Modular transfer unit (FeedCell)

Robots with either two, four or six axes can be integrated into the feed cell depending on the work process requirements. The robot is installed above the cartoner product chain moving continuously or intermittently underneath. This makes for optimal layout conditions depending on transfer type and direction. The transfer cell robot is controlled by the machine controls of the cartoning machine. The robot is also available with its own controls as an option.

FeedCell



Carton closing

## 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

### Booklet / component feeding

### Manual loading of blisters

### 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

### Modular transfer unit (FeedCell)

### Carton coding

- emboss coding
- inkjet application
- laser coding

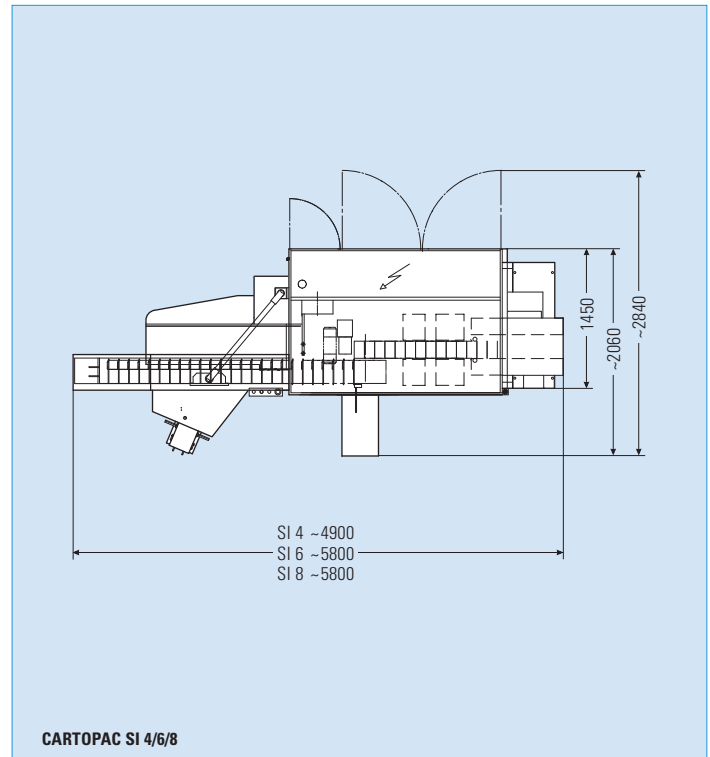
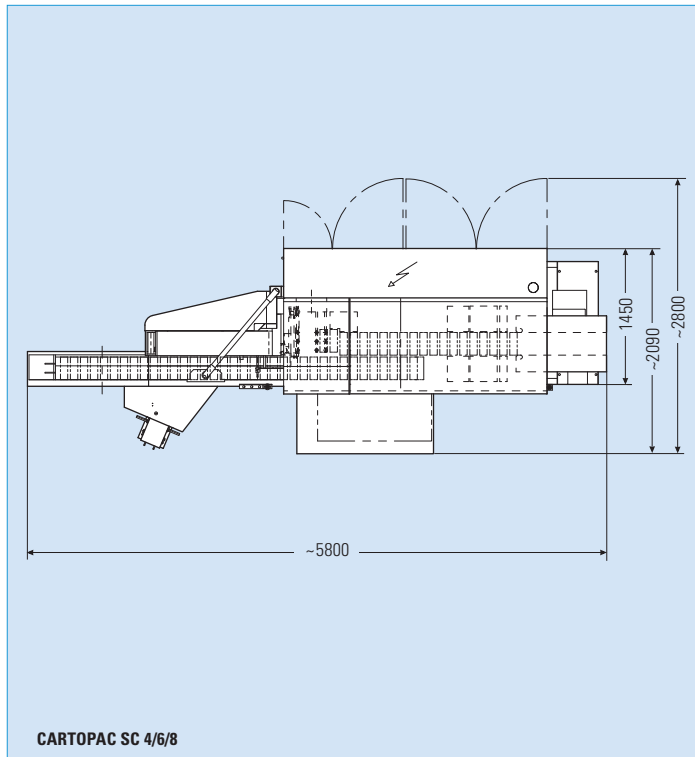
### Rejection of faulty packs with reject control

(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
- tuck closure in combination with a fourth flap to be glued on as a safety closure (tamper evident)

## TECHNICAL DATA



| Cartoning machine model                | CARTOPAC SC 3             | CARTOPAC SC 4            |
|----------------------------------------|---------------------------|--------------------------|
| Working principle                      | continuous                | continuous               |
| Size range, machine with 2 chains (mm) |                           | A 20-75 B 15-75 H 50-85  |
| Size range, machine with 3 chains (mm) |                           | A 20-75 B 15-75 H 65-180 |
| Size range, machine with 4 chains (mm) | A 25-55 B 20-45 H 105-230 | A 20-75 B 15-75 H 85-230 |
| Max. output (cartons/min.)             | 510                       | 450                      |
| Power rating                           | 3 × 400 V/50Hz            | 3 × 400 V/50Hz           |

| Cartoning machine model                | CARTOPAC SC 5              | CARTOPAC SC 6              |
|----------------------------------------|----------------------------|----------------------------|
| Working principle                      | continuous                 | continuous                 |
| Size range, machine with 2 chains (mm) |                            | A 20-125 B 15-110 H 50-85  |
| Size range, machine with 3 chains (mm) |                            | A 20-125 B 15-110 H 65-180 |
| Size range, machine with 4 chains (mm) | A 20-100 B 15-100 H 65-230 | A 20-125 B 15-110 H 85-230 |
| Max. output (cartons/min.)             | 200                        | 300                        |
| Power rating                           | 3 × 400 V/50Hz             | 3 × 400 V/50Hz             |

| Cartoning machine model                | CARTOPAC SI 4            | CARTOPAC SI 5              |
|----------------------------------------|--------------------------|----------------------------|
| Working principle                      | intermittent             | intermittent               |
| Size range, machine with 3 chains (mm) | A 20-75 B 15-75 H 65-180 |                            |
| Size range, machine with 4 chains (mm) | A 20-75 B 15-75 H 85-230 | A 20-100 B 15-100 H 65-230 |
| Max. output (cartons/min.)             | 80                       | 100                        |
| Power rating                           | 3 × 400 V/50Hz           | 3 × 400 V/50Hz             |

| Cartoning machine model                | CARTOPAC SI 6              | CARTOPAC SC 8             |
|----------------------------------------|----------------------------|---------------------------|
| Working principle                      | intermittent               | continuous                |
| Size range, machine with 3 chains (mm) | A 20-125 B 15-100 H 65-180 | A 40-165 B 20-75 H 65-180 |
| Size range, machine with 4 chains (mm) | A 20-125 B 15-100 H 65-230 | A 40-165 B 20-75 H 85-230 |
| Max. output (cartons/min.)             | 60                         | 150                       |
| Power rating                           | 3 × 400 V/50Hz             | 3 × 400 V/50Hz            |

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