



# Filling Machine

**S-PSF65UC**

# The flexible filling machine

*The Elopak® S-PSF65UC filling machine is the first machine offering a new flexible platform for fresh, pasteurized and ESL processed products.*

This efficient machine can fill up to 6.500 cartons per hour (cph). Due to outstanding flexibility, the machine offers automatic size changes and has the capability of producing six preset sizes and three different carton shapes.

With quick and easy changeovers between products, carton design and sizes, a short lead time is guaranteed providing maximum flexibility in fast moving markets. With a new hygienic design, the Elopak® S-PSF65UC machine enables a more secure hygienic performance for maximum product quality.

It incorporates low-concentration hydrogen peroxide spray (2 %) system, followed by UV-light exposure and air drying. This reduces the peroxide consumption while still complying with the carton decontamination requirements.

Additionally, the embedded data capturing system ELOEE (Elopak Overall Line Equipment Effectiveness) with its user-friendly operator touch screen interface enables full efficiency data capturing and advanced process monitoring. Plus the latest top sealer technology gives high flexibility in package shape for more differentiation and greater product security.

A more compact design, with no standalone auxiliary components other than cap feeder, CIP unit and Elofoam unit, gives a reduced machine footprint. Indeed, its low utility consumption whilst maintaining high flexibility functionalities are the extra features that give the Elopak® S-PSF65UC machine its true competitive edge.

It is a smarter and more modern machine for more products, more carton configurations and therefore more opportunities in ever demanding markets.

## Machine standard equipment

- All aseptic valves in fluid path
- HEPA clean-air system
- Ergonomic blanks magazines
- Fully automatic size changing
- Double diaphragm filler
- Sterilizable filling station
- Mitsubishi PLC
- Frequency controlled variable speed drive
- Independent conveyor servo drives
- CE conformity
- Automatic lubrication system
- Integrated screwcap applicator
- Spray sanitizing system
- Exterior foam cleaning system
- Embedded data capturing system ELOEE

## Optional equipment

- Cap feeder system
- Spare part kit
- Triple wall filling tank
- Proportional motion inlet valve
- Combi Filler
- CIP/SIP Unit with heat exchanger
- CIP recovery pump

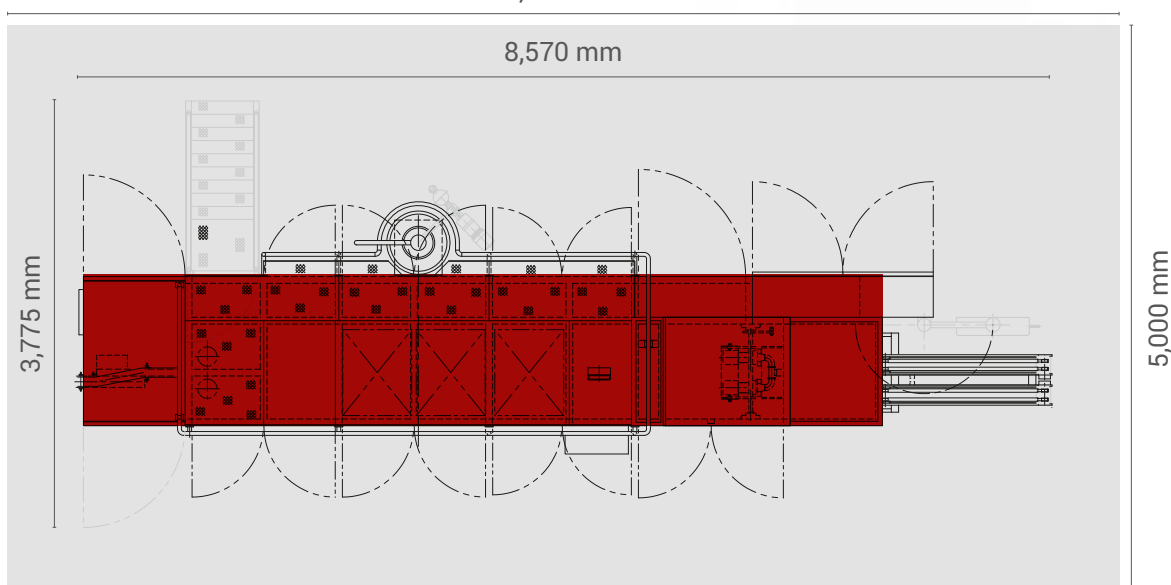
# S-PSF65UC

8,570 mm



9,800 mm

8,570 mm



 Footprint 32.7 m<sup>2</sup>

 Space Requirement ~ 49 m<sup>2</sup>





1

*High efficient filling of wide range of fresh product applications:*

- max. 6,500 packs/hour
- for dairy ESL: up to 28 days shelf-life
- for juice: up to 60 days shelf-life



2

*Small machine footprint:*

- compact machine design
- no standalone auxillary components other than CIP and Elofoam
- all HEPA fans and filters are built onto the machine



3

*Flexible filling:*

- different carton shapes for Pure-Pak® Classic and Pure-Pak® Sense cartons in 70 x 70 mm cross section
- automatic tuning between curved and non-curved cartons



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*Different sizes:*

- six sizes from 250 to 1,136 ml without mechanical changes



5

*Different screw caps:*

- easy rebuilt to fit Elo-Cap™ configuration in Small – Medium – Large



6

*Flexible operation:*

- quick product, design and size change over, minimum manual intervention

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*Optimized filling technology:*

- improved gable top sealing technology and operating window
- improved hygienic design with less manual cleaning operations

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*Effective control and data capturing:*

- improved HMI helps to efficiently operate and control filling equipment
- central data storage with remote access to data and reports
- userfriendly operator touchscreen interface

### *Filling specifications:*

#### **Production speed:**

Machine capacity up to 6,500 cartons per hour  
Maximum speed depends on product to be filled.

#### **Liquid food products:**

- Juice and fruit drinks up to 60 days shelf-life at < 8 °C
- Pasteurised milk up to 13 days shelf-life at < 8 °C.
- Extended shelf-life milk products up to 28 days shelf-life at < 8 °C
- Fermented dairy products (Combifiller is option)

**Filling temperature:** > 2 to < 8 °C

**Filler accuracy:** span of 3 gr. using rubber nozzles filling water (span 0.106 oz)

#### **Magazine capacity:**

Approximately 850 cartons per magazine for 1,700 cartons in total

### *Packaging specifications:*

#### **Package volume and dimensions:**

Standard cross-section 70 x 70 mm (2.75 x 2.75 in)  
Pure-Pak® Classic and Sense cartons with optional Curve®.

#### **Standard metric sizes:**

250 ml • 330 ml • 500 ml  
750 ml • 1,000 ml • 1,136 ml (2 UK pints)

#### **USA-specific sizes (on request):**

8 oz • 10 oz • 1 pint • 1.5 pint • 1 quart

**Board types:** EVOH and PE Board

#### **Opening features:**

Elo-Cap™ U or X family  
Elo-Cap™ O to be available in future

#### **Product supply pressure:**

0.02 – 0.10 MPa (3 – 15 psi)

### *Machine specifications:*

#### **Machine dimensions (l x w x h):**

8,570 x 3,775 x 3,505 mm (337 x 149 x 138 in)

**Room height required:** 4,600 mm (181 in)

**Floor space required:** 9,800 x 5,000 mm (386 x 197 in)

**Shipping dimensions:** one 40-Foot container and one 20-Foot container

#### **Machine weight without options:**

8,000 kg (17,600 lb)

**Noise level:** < 80 dBA

**Carton discharge height:** 945 mm (37.2 in)

### *Electrical power requirements:*

400 V, 50 Hz, 3 phase + pe

Permissible voltage variation within +/- 10 %.

Maximum load 131 amp.

Average electrical consumption approx. 30 kW (without options)

### *Compressed air:*

Minimum supply pressure 0.6 MPa (80 psi)

Air consumption 1,200 nl/min (42 cfm)

Air supply foam unit 200-450 nl/min

### *Chilled water:*

Minimum flow 15 l/min (3.9 gallon/min) (Recirculating)

Maximum temperature +3 °C (37.4 °F)

Minimum supply pressure 0.2 MPa (29 psi)

Maximum supply pressure 0.3 MPa (43,5 psi)

### *City water:*

Supply temperature ambient

Minimum flow rate 5 l/min (1.32 gallon/min)

Minimum supply pressure 0.4 MPa (58 psi)

Maximum supply pressure 0.6 MPa (87 psi)

### *H<sub>2</sub>O<sub>2</sub> consumption usage*

2 % H<sub>2</sub>O<sub>2</sub> 0.72 l/h (0.19 gallon/h)

*Together we make packaging work*



The mark of  
responsible forestry

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