

Technical data

ELECSTER STERILIZERS

Type	EL-2700	EL-4500	EL-6300	EL-10800
Capacity l/h	2700	4500	6300	10800
Steam consumption 8...10 bar (kg/h) (during presterilization)	85 (250)	145 (320)	210 (500)	350 (700)
Electricity connection (kVA)	60	70	90	130
Homogenizer power requirement, 150 bar (kW) 250 bar (kW) *) 185 bar (kW)	14 23	23 38	32 53	60 75*)
Compressed air requirement (Nl/min) - pressure min. 6 bar	40	50	60	75
Cooling water requirement (l/h)	300	300	300	400
Floor area need (m ²) (excl. homogenizer)	6,1	6,1	6,6	7,7
Dimensions (excl. homogenizer)				
- width mm	1930	1930	2000	2200
- length mm	3150	3150	3300	3500
- height mm	2800	2800	3000	3200
- weight kg	3250	3500	4000	4500
- weight kg (incl. homogenizer)	5500	5750	7250	8000

ELECSTER ASEPTIC PACKAGING MACHINES

Type	EA-4000	EA-8000	EA-12000	EA-16000
Capacity pouches/h (max.)				
0,2-0,25 L	4000	8000	12000	16000
0,5 L	3600	7200	10800	14400
1,0 L	3000	6000	9000	12000
Pouch size				
- width mm	160	160	160	160
- length mm	112-250	112-250	112-250	112-250
Electricity connection (kVA)	6	9	12	15
Compressed air requirement (Nl/min) - pressure min. 6 bar	150	300	450	600
Purified steam (4 bar)	15 kg/h	15 kg/h	15 kg/h	15 kg/h
Floor area need (m ²)	2,8	4,8	6,8	8,8
Dimensions:				
- width mm	1900	3500	5100	6700
- length mm	1300	1300	1300	1300
- height mm	2300	2300	2300	2300
- weight kg	1800	2800	3800	4800



MODERN ASEPTIC PROCESSING
AND PACKAGING TECHNOLOGY

Complete UHT lines

TOGETHER WITH ASEPTIC POUCH FILLING MACHINES



- EL-2700
- EL-4500
- EL-6300
- EL-10800

Complete ELECSTER UHT-lines together with aseptic pouch filling machines

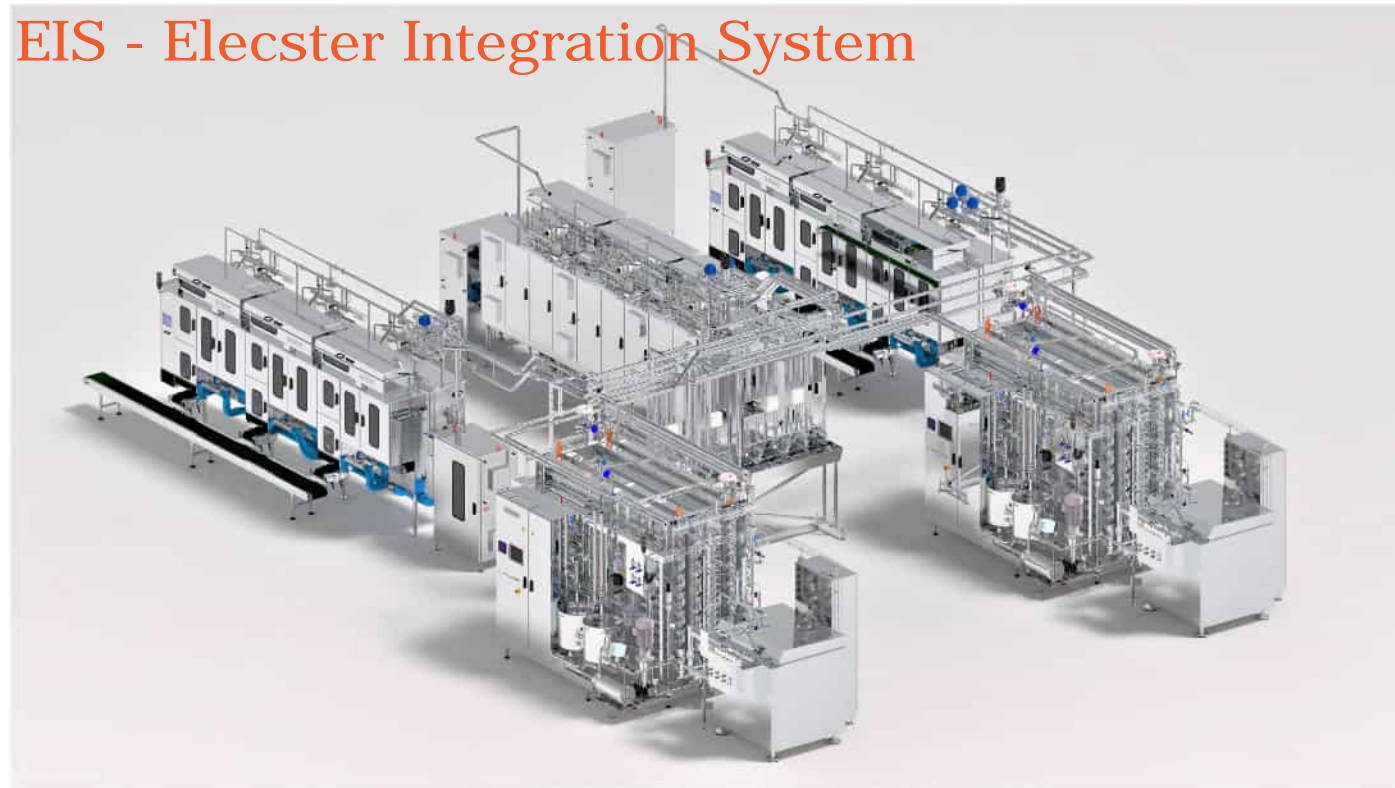


COMPLETE UNITY

A complete Elecster assembly consists of

- sterilizer
- homogenizer
- aseptic packaging machine
- air sterilizer
- pouch conveyors and Autopacker unit
- CIP/EIC washing equipment

EIS - Elecster Integration System



EIS - ELECSTER INTEGRATION SYSTEM

Elecster Integration System, EIS through its cross-connection panels and ECB signalization box enables to optimize the utilization of sterilizer(s) capacities with several aseptic filling machines/packaging sizes and thus saving investment in expensive aseptic buffer tank.

OPTIMIZED HEAT TREATMENT

The capacity and the temperature of the sterilizer can easily be adjusted to fit different products. The heat regeneration level is approx. 90%. Steam or electricity is used as the heating energy source.

HIGH SECURITY LEVEL

The sterilizing temperature is measured by two detectors and controlled by a two-level low temperature alarm. The alarm system shows the possible operation fault through the monitor. The tubular heat exchangers are protected by a security system which informs about the need of intermediate cleaning. An automatic CIP/EIC system is integrated to the equipment.

FULL RESPONSIBILITY OF DELIVERY

In addition to the complete equipment delivery, our full responsibility covers the technical planning, installation, training and after-sales service. Depending on the customer's needs, we deliver the desired packaging film or the complete line for local film production.

ELECSTER ASEPTIC PACKAGING MACHINES

RELIABLE TECHNOLOGY

Reliable and lasting seams are guaranteed by permanently heated sealing devices. The temperature of the heat sealing is adjusted with an accurate PID control. The optimum sealing temperature is controlled by the temperature maximum and minimum alarms. The film is sealed inner surface against inner surface. The form of the package can be the normal pillow pouch or the new Standipak standing pouch.



Elecster pouch is most profitable and environmentally friendly to use.

HIGH ASEPTICAL LEVEL

The metering device and the tubing are sterilized by hot water (>121°C). The integrated air sterilizer equipment maintains the aseptic conditions in the sterile chamber and the packaging film tube. The packaging film is sterilized with H₂O₂ and with powerful UV radiation.

ELECSTER PRODUCT RANGE:

- * Complete UHT lines
- * Aseptic Pouch Filling Machines
- * ESL and Pasteurised milk Filling Machines
- * Autopacker
- * High-barrier packaging material
- * After-sales Service

EA-16000

