

Technical Description



Condom Sealing Machine S30.01-120



Condom Sealing Machine S30.01-120 with optional printer

Construction

The machine is designed for the packaging of condoms into flexible foil laminates.

It can be converted to all common condom packaging formats by using format conversion kits. It can be equipped with a printer for package coding with batch data and expiry date information. For lubrication of the condoms, a precision pump is installed. All machine functions can be controlled via a touchpanel. All relevant data is displayed on the touchpanel text indicator.

Technical Description



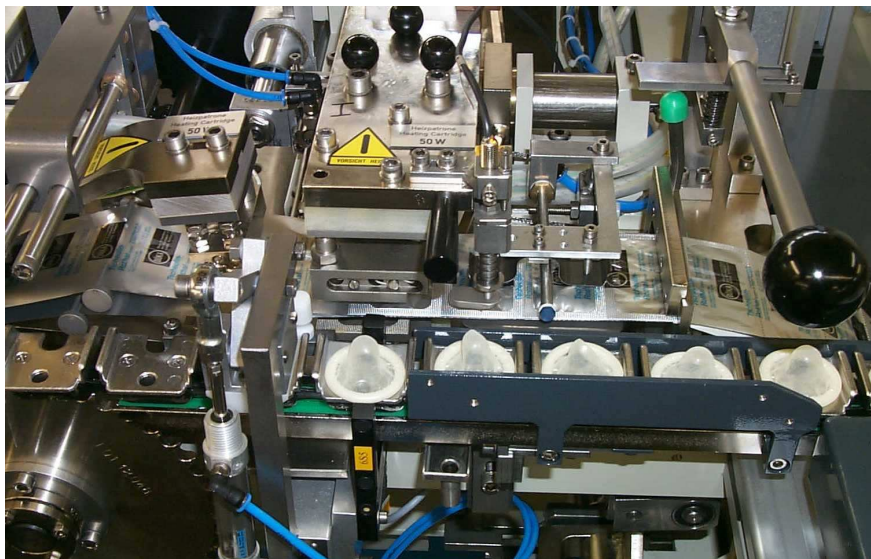
Condom Sealing Machine S30.01-120

Mode of operation

The machine works intermittently. The rolled condoms, their reservoir on top, are placed manually onto the trays of the tray chain. The condoms on the trays are transported intermittently to the condom inserting station.

Simultaneously with the advance of the tray chain, foils are unwound from two rolls, one mounted above the other. While advancing, the two foils are united and, entering the pre-sealing station, are sealed perpendicular to the advance of the foils. Packaging foil and condom transport chain advance intermittently towards each other.

The condom gripping pincer reaches through the V-shaped spread foil and begins to pull the condom off the tray into the space between the two foils. At the same time, the pre-sealing jaws unite the V-shaped spread foils by sealing them perpendicularly to the advance of the foils, so that the condom gripping pincer becomes enclosed by a sleeve formed of the two foils. The gripping pincer now pulls the condom off the tray into the middle of the foil sleeve. During that motion, the lubricant is dosed precisely into the centre of the condom. After positioning of the condom, the gripping pincer opens and releases the condom.



Sealing station

In the next cycle, the condom, now located in the sleeve of foils, advances to the main sealing station, where the condom is fully enclosed by sealing.

Subject to alternations without notice. Please note, that the specifications given are depending on factors beyond our control (condom quality, condom powdering, energy supply, operator skills etc. Therefore, the respective specifications are only of informative character.

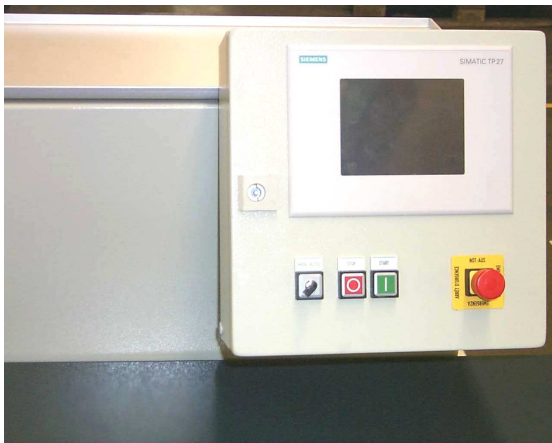
Status: 08/09

Technical Description



Condom Sealing Machine S30.01-120

The described sealing process is repeated after each cycle, what means that packages, sealed on all four sides, with the condoms enclosed, leave the main sealing station. The foil packages make up an endless strip. Sealing being completed, the connections between the individual packages are perforated perpendicular to the advance of the endless strip. Depending on the setting of the strip length counter, the endless strip is cut into strips of max. 99 individual packages.



Operator panel

Technical data

Capacity: up to 120 sealing operations/min
Infinitely variable by electronic frequency converter
at the main drive
(depending on material and operator)

Square package format: Four-side sealing:
55 x 55 mm

(other formats on request)

Rectangular package format: Four-side sealing:
(When using a conversion kit) 40 x 70 mm
30 x 70 mm

(other formats on request)

Subject to alternations without notice. Please note, that the specifications given are depending on factors beyond our control (condom quality, condom powdering, energy supply, operator skills etc. Therefore, the respective specifications are only of informative character.

Technical Description



Condom Sealing Machine S30.01-120

Operator:	One person
Power supply:	Three phase, 400 V, 50 cycles, 2,0 kW
Sealing jaw heating voltage:	24 Volts
Sealing jaw power consumption:	6 x 50 Watts (main sealing) 2 x 60 Watts (pre-sealing)
Compressed air consumption:	ca. 470 NI/min
Compressed air supply:	8 bar
Working pressure:	6 bar
Sealing jaw position at machine stop:	open
Foil roll dimensions:	Two foil rolls, max diameter each: 500 mm roll width: 55 mm reel diameter 70 mm
Rectangular package format: (if using a conversion kit)	Two foil rolls, max. diameter each: 500 mm Roll width: 70 mm Reel diameter: 70 mm
Worktop for condoms:	Material: stainless steel surface coated with food-grade epoxy resin
Worktop height:	approx. 800 mm
Machine dimensions:	length: approx. 3,100 mm width: approx. 1,050 mm height: approx. 1,300 mm
Weight:	approx. 470 kg
Operating Instructions:	In English language