

## TECHNICAL DESCRIPTION

### Condom Packaging (Sealing) Machine, Type S 30.01-120



**SM 30.01-120 with orientation bowl feeder (Optional)**

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

A dosing pump, built in the machine, provides for lubrication of the condoms. The pump aspirates the lubricant out of a container and doses it precisely onto the condom during the insertion into the foil.

#### 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 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 not 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.

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. The described sealing process is repeated after each cycle, what means that packages, sealed on all four sides, with the condoms enclosed, leaver 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 max. 99 individual packages.



**Orientation bowl feeder (optional)**

## **Technical data**

<u>Capacity</u>	:	up to 120 sealing operations/min Infinitely variable by electronic frequency converter at the main drive (depending on material and operator)
<u>Square package format</u>	:	<u>Four-side sealing:</u> 55 x 55 mm (other formats on request)
<u>Rectangular package format</u> (When using a conversion kit)	:	<u>Four-side sealing:</u> 30 x 70 mm standard  other sizes on request
<u>Operator</u>	:	One person
<u>Power supply</u>	:	230/400 Volts, 50 cycles
<u>Sealing jaw heating voltage</u>	:	24 Volts
<u>Electric power consumption</u>	:	2,0 kW
<u>Sealing jaw power consumption</u>	:	6 x 50 Watts (main sealing) 2 x 60 Watts (pre-sealing)
<u>Compressed air consumption</u>	:	ca. 470 NI/min
<u>Compressed Air Supply</u>	:	8 bar
<u>Working Pressure</u>	:	6 bar
<u>Sealing jaw position at machine stop</u>	:	open
<u>Foil roll dimensions</u>	:	Two foil rolls, each of a diameter of: 300 mm roll width: 55 mm reel diameter: 70 mm
<u>Rectangular package format</u> (if using a conversion kit)	:	Two foil rolls, each of a diameter of: 300 mm Roll width: 70 mm Reel diameter: 70 mm

<u>Note:</u>	:	A separate foil unwinding unit for foil rolls of 600 mm diameter is optionally available	
<u>Worktop for condoms</u>	:	Material: stainless steel surface coated with food-grade epoxy resin	
<u>Worktop height</u>	:	750 mm	
<u>Machine painted in</u>	:	RAL 7032	
<u>Machine dimensions</u>	:	length:	3,050 mm
		width:	1,050 mm
		height:	1,190 mm
<u>Transport crate dimensions</u>	:	length:	3,400 mm
		width:	1,370 mm
		height:	1,650 mm
<u>Weight</u>	:	Machine without packing:	470 kg
		Machine with packing:	820 kg

### **Bowl Feeder System (Optional)**

Feed rate	:	Approx. 100 pcs/min/track
Orientation Position	:	Flat / 1 Position
Efficiency	:	approx. 99.9% depending on condoms
Bowl Feeder c/w Feeder Controller	:	JA-C610 / MFC-S6B
Bowl Type / Treatment	:	Cylindrical Bowl / Teflon Coating / Black color
Bowl Size	:	Diameter 610mm
Bowl Rotation	:	Counter Clockwise
Voltage	:	VAC 200V / 50HZ / Single Phase
Compress Air Supply	:	6 bar
Linear Feeder c/w Feeder Controller	:	CS-L350AG / MFC-S3B
Linear Track Treatment	:	Teflon Coating
Linear Track Length	:	1000mm
Overflow Sensor	:	Omron
Bowl Low Quantity Sensor	:	Omron
Hooper Feeder c/w Feeder Controller:	:	MFC-S3B
Hooper Size	:	L 650 x W 300 x H 200mm
Hooper Type / Treatment	:	SUS 304 / Teflon Coating
Weight	:	approx. 160 kg unpacked

**For further information please contact us at:**  
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**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.**