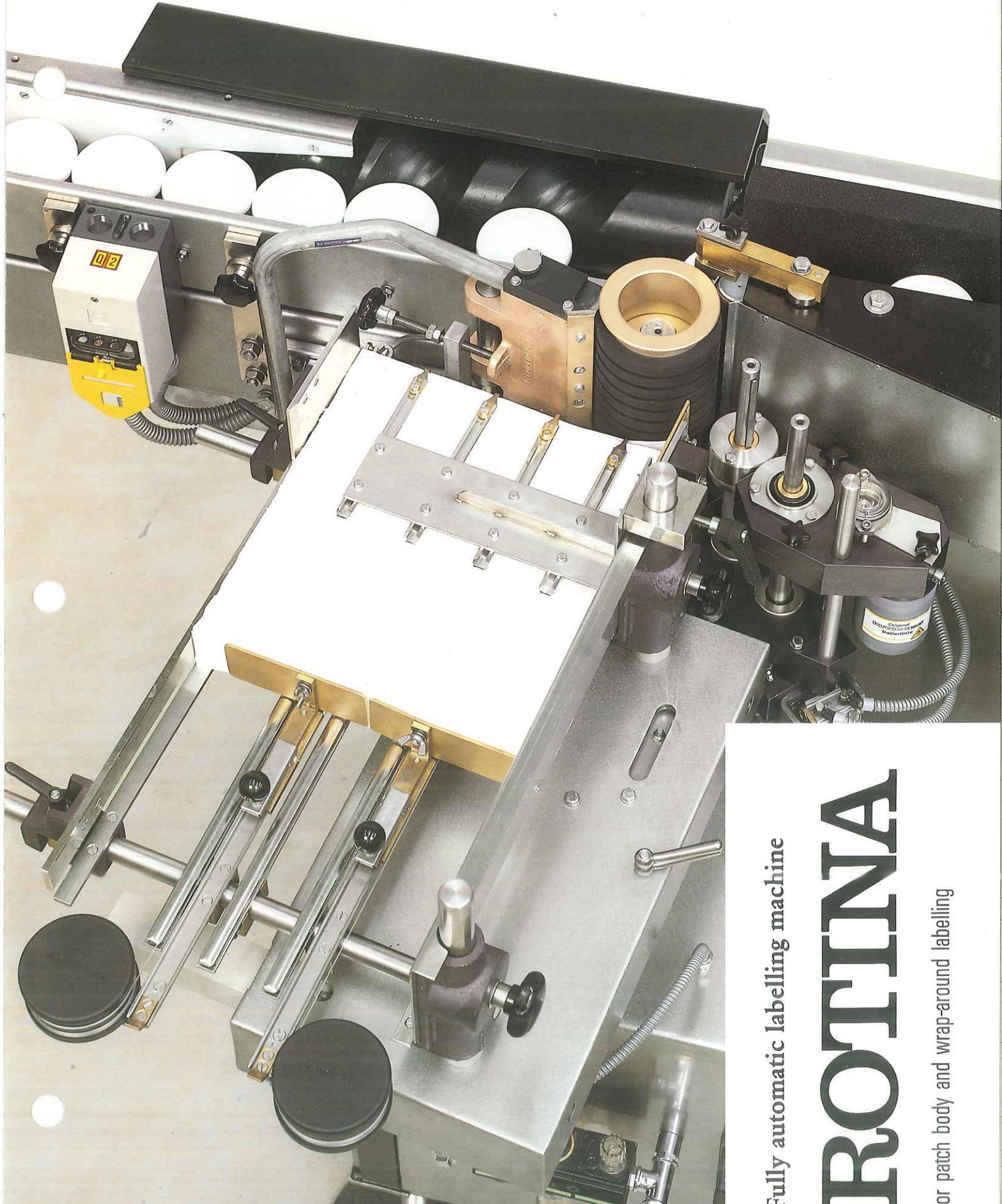


KRONES



Fully automatic labelling machine

PROTTINA

for patch body and wrap-around labelling



Method of operation:

On entering the machine, containers are spaced by an infeed worm and simultaneously activate a switch controlling label removal. (No bottle - no label device is included as standard). As the magazine oscillates, labels contact the glue roller which, due to

the glue film, removes them and transfers them via a guide onto the containers.

An "edge-to-edge" strip gluing pattern is thus achieved. Final application of the labels to the containers is positively achieved as containers rotate

through the on-roll station, comprising a driven belt and sponge pad arrangement.

A KRONES "UNIPUMP" provides a continuous supply of adhesive to the gluing station and excess adhesive is automatically returned to the glue container.

Glue film thickness on the glue roller is micro-adjustable for optimum machine performance.



The well-proven labelling station of the KRONES ROTINA. The oscillating magazine is infinitely adjustable for different label sizes and positions.



With the KRONES label printing device, a variety of information can be applied to the labels during operation. "Best by", "sell by" dates, etc., can be printed accurately, either horizontally or vertically and in a variety of sizes. Single and double-line prints are possible in a wide variety of positions on the label front face. The use

Method of operation

Principal technical features:

The following are standard scope of supply (included in basic machine price):

- compact, space saving construction with carefully designed labelling station allowing easy access for adjustment
- machine base cladding, conveyor body section and all covers/guards manufactured from stainless steel
- complete integral conveyor system, driven synchronously from main machine drive
- robust, infinitely variable main drive unit
- long on-rolling station ensures precise and positive overall label application
- adjustable label magazine

- infinitely variable glue height adjustment
- KRONES "UNIPUMP" pneumatic glue pump
- safety guarding in accordance with West German standards.

Optional additional feature:

New machine only.

- non-standard voltages for main drive and control circuits.

Optional additional features:

For new or existing models.

- dating/coding device for front of labels

- change parts for additional bottle and label sizes
- bottle conveyor extensions, rotary corner stations and various types of conveyor cross-over modules for infeed and/or discharge sections
- bpm indicator
- electronic bottle counter
- spare parts kits for 2,000 or 4,000 operating hours
- infinitely adjustable, thermostatically controlled, glue heater for optimum operating temperature and minimum glue consumption
- additional safety guarding as required to meet the varying legal requirements of individual countries. (Please refer to your local KRONES Office for detailed guidance.)

Technical Data - KRONES ROTINA

Rotina	Application		max. continuous operating speed		Labelling station	Containers and labels			
	patch body label	wrap-around label	patch body label	wrap-around label	label magazine	container dia. min.-max.	label width min.-max.	application height min.-max.	label magazine capacity
model			x 1000 cph	x 1000 cph		mm	mm	mm	
47 I	X	X	6	4,8	oscillating	50-175 ¹⁾	60-355	4-165 ²⁾ or 4-240 ²⁾	6000
47 I S	X	X	7,2	5,8		50-160 ¹⁾	60-320		
47 II	X	X	8,1	6,6		50-145 ¹⁾	60-280		
47 II S	X	X	10	8		50-115	60-220		
47 III	X	X	12	9,6		50-98	60-180		

Rotina	Infeed worm		Range of mechanical speed adjustment	Electrical data		Compressed air consumption Nm ³ /h			Weight		Dimensions of packing case		
	length	final pitch		supply voltage as required control voltage 24 or 42 V		for patch labels	for wrap-around labels	pressure required $\pm 10\%$	net	export packing	length	width	height
model	mm	mm	x 1000 cph	power consumption kVA	drive motor kW				kg	approx. kg	approx. m	approx. m	approx. m
47 I	450	195	2,9-7,4	2,1	1,1	2	2	2	700	400	2,95	1,5	1,4
47 I S		176	3,2-8										
47 II		160	3,6-9										
47 II S		128	4,5-11,3										
47 III		107	5,3-13,5										

1) For containers over 125 mm dia 4 1/2" inch wide conveyor required (extra charge)

2) Upper edge of label

We reserve the right to amend specifications at any time.

Specifications for standard vs. optional features vary in North America. Please consult your sales representative for verification.