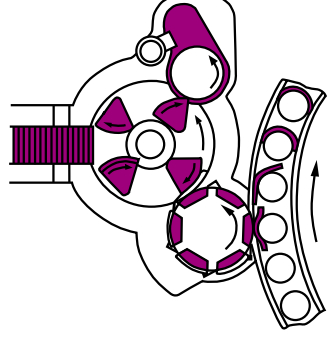


# Innocket Roland HS

Hot-Melt Labellers

 **KHS** Anker



# Roland HS – For Perfect Wrap-Around Labelling of Round and Contour Containers

## How does the Roland HS work?

A worm separates the containers before they are fed by an infeed star to the rotary turret of the labeller.

During the initial application, a grooved rubber drum applies large glue beads to each container.

After exactly one revolution, the glue on the container pulls the label out of the magazine. During this process, a strip of glue is applied to the label overlaps for final gluing.

The label is wrapped tightly around the container by the rotational movement of the container and is cleanly sealed at the overlap.

What this means for you is a perfect label fit, irrespective of container shape or line speed.

## What advantages does the Roland HS offer you?

### \_\_ Adjustable label magazine.

The Roland HS label magazine saves you change parts for different label sizes and shapes as well as requiring less time for changeover and setup.

### \_\_ Automatic adjustment of the final gluing drum. Coupled with label size setting.

Less time required for changeover and setup.

### \_\_ Gluing by a glue drum system.

This means reliable continuous operation and high machine utilization.

### \_\_ Robust, vibration-free, corrosion-resistant machine design. Extensive use of stainless steel.

Long machine life. High machine availability.

### \_\_ Bottle guide parts made of durable plastic.

Low-noise operation. Maintenance-free.

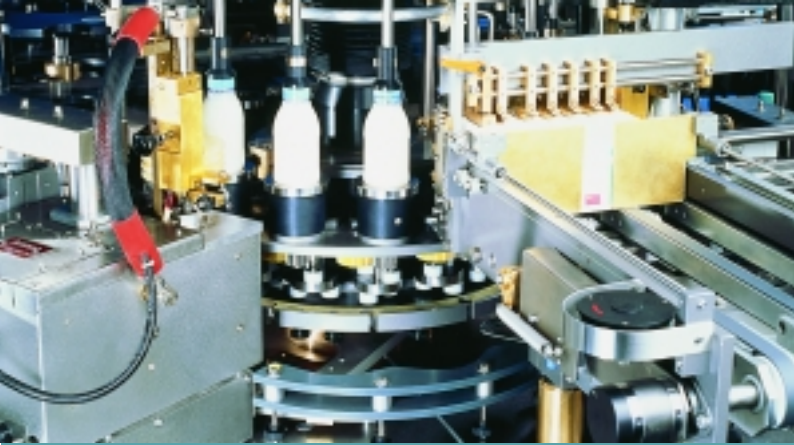
### \_\_ Safety switches for emergency stop located at hazardous points.

Damage caused by container or glass breakage is avoided.

### \_\_ Infinitely adjustable speed. Controlled electronically by a frequency-controlled drive.

Automatic controlled adaptation to required capacity ranges. Increased efficiency.





— Turret mounted, rotary cam control for contour containers. Lower turret can be turned further to change cams. Registration of design.

The excellent accessibility of the cam minimizes changeover and replacement times.

— Belt driven bottle platforms used for cylindrical containers. Ideal adaptation of belt speeds to container diameters.

Variable speed eliminates the need for pulley changeovers and minimizes change-over time.

— Quick change fixings for infeed worm, star wheels and cams.

No tools required for changing format parts.

— Sealed bearings used where possible.

Design and quality of build minimizes service requirements and life time costs.

Can be configured for an in-line application or with a parallel infeed and discharge for end-station location.

— Additional equipment on request:

- Automatic alignment of round and contour containers (oval, square, etc.).
- Coding or dating facilities
- Bottle counter.



# Which is the Right Roland HS for You?



Technical specifications		Roland 10 HS	Roland 15 HS	Roland 20/10 HS <sup>1)</sup>	Roland 16 HS	Roland 20/20 HS	Roland 26 HS	Roland 32 HS
Nominal capacity (bph)	from: to:	4,000 15,000	4,000 22,500	4,000 30,000	4,000 24,000	4,000 30,000	4,000 39,000	4,000 45,000
Label width [mm]								
Standard	min.	195	195	195	195	195	195	195
Standard	max.	403	356	284	403	387	356	284
Label height [mm]								
Standard	min.	40	40	40	40	40	40	40
Standard	max.	145	145	145	145	145	145	145
Labelling area above container bottom [mm] with 5 mm turret recess								
Standard	from: to:	15 200	15 200	15 200	15 200	15 200	15 200	15 200
Container diam. or width [mm]								
Standard	min.	60	60	60	60	60	60	60
Standard	max.	125	110	87	125	120	105	87 <sup>2)</sup>
Container height [mm]	min. max.	40 360	40 360	40 360	40 360	40 360	40 360	40 360
Conveyor belt height	min. max.	900 1,250	900 1,250	900 1,250	900 1,250	900 1,250	900 1,250	900 1,250
Number of turrets around perimeter		10	15	20	16	20	26	32
Perimeter ref. diameter [mm]		640	640	640	1,060	1,060	1,060	1,060
Pitch [mm]		201.0	134.0	100.5	208.0	166.4	128.0	104.0
Space requirements [mm]	Lengths and depths: Height:	vary according to the model. See plan sketch of the particular installation variant. 2400 for conveyor belt height 900 / max. 2800						
Worm length [mm]		700	700	700	700	700	700	700
Motor output [kW]		2.2+0.55	2.2+0.55	2.2+0.55	2.2+0.55	2.2+0.55	2.2+0.55	2.2+0.55 <sup>3)</sup>
Hot-melt unit [kW]		5	5	5	5	5	5	5
Compressed air		5 bar 12 m <sup>3</sup> /h	5 bar 12 m <sup>3</sup> /h	5 bar 12 m <sup>3</sup> /h	5 bar 12 m <sup>3</sup> /h	5 bar 12 m <sup>3</sup> /h	5 bar 12 m <sup>3</sup> /h	5 bar 12 m <sup>3</sup> /h
Weight [kg] standard approx. <sup>4)</sup>		1,900	1,950	2,000	2,700	2,750	2,800	2,900
Dating capabilities (extra charge)		yes	yes	yes	yes	yes	yes	yes
The ratings are maximum values and depend on the container and label formats. The belt-drive model is suitable for cylindrical containers only.		<sup>1)</sup> Possible only with container turret belt drive <sup>2)</sup> Special model, min. diameter = 46 mm, max diameter 72 mm <sup>3)</sup> Also 2.2 + (2 x 0.55) possible for difficult project conditions (separate infeed and discharge belts) <sup>4)</sup> Linear installation model						