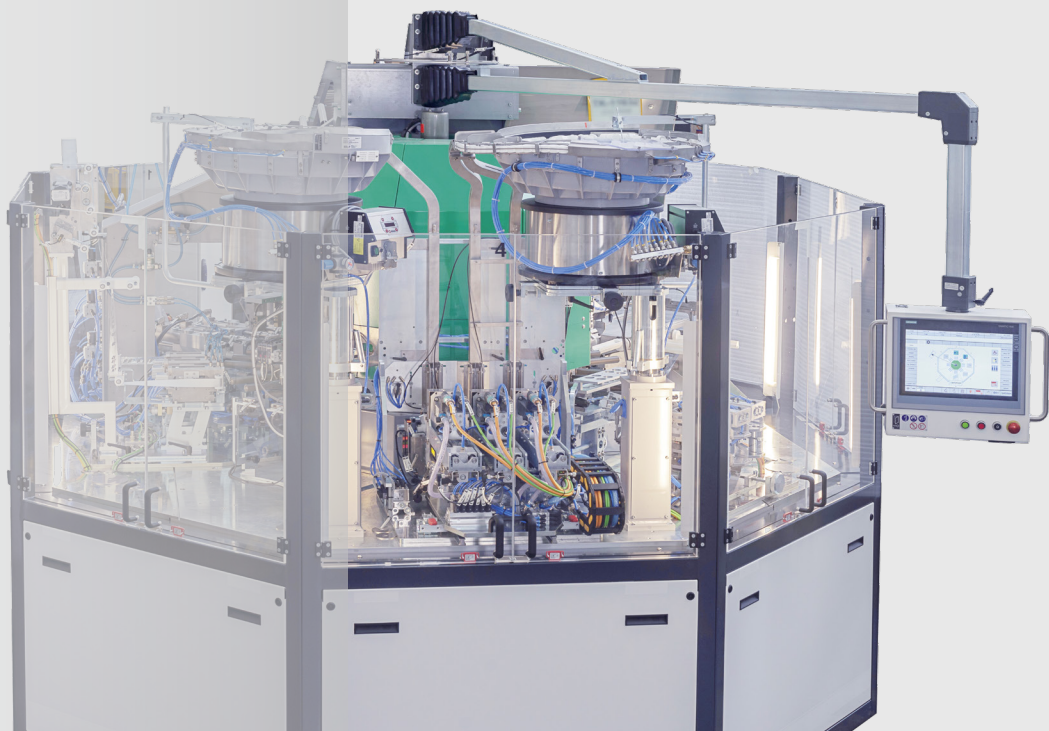


RHM 100 / 150 / 200 RHM 300 / CM 120 – perfect capping

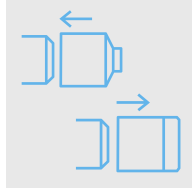


The flexible machine for
finishing tubes and applying caps
in inline and offline production

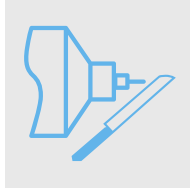
For all your tube capping needs

Operations overview

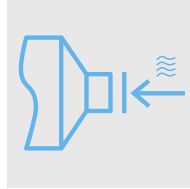
Tube transfer



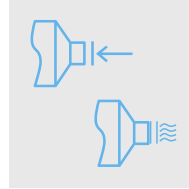
Snipping



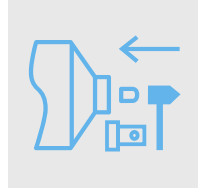
1-Step membrane sealing



2-Steps membrane sealing



Special applications



CM 120

Up to
120 / min

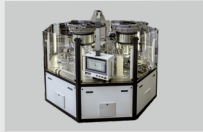


(up to 90 / min)



RHM 100

Up to
100 / min



RHM 150

Up to
150 / min



RHM 200

Up to
200 / min



RHM 300

Up to
300 / min



The modular design of the //polytype RHM 100/150/200 & 300 makes it ideal for finishing tubes. Its unique flexibility resulting from freely selectable operations means it can be used for a wide range of applications. The //polytype CM120 is the right machine for standard cap finishing operations, with a small footprint and an excellent price-performance ratio.

- // High reliability and maximum productivity
- // Excellent access to the stations
- // Different workstation options (can also be retrofitted)

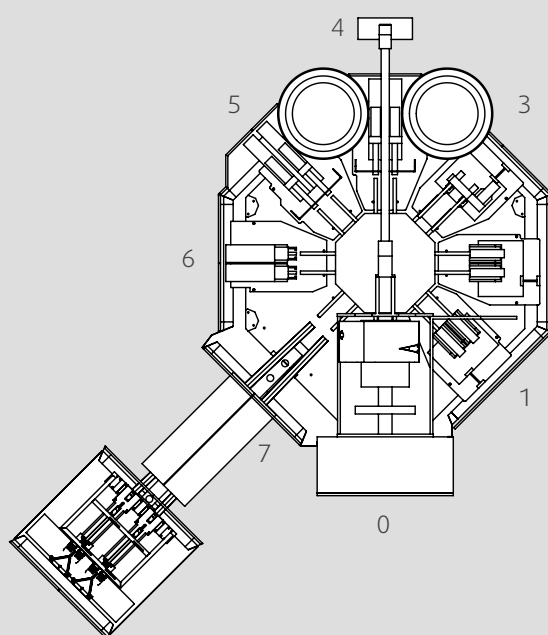
Cap registering mark detection with camera	Cap snap-on (positioning)	Cap screw-on	Cap tightening	Labeling	Cap-Tube quality control with camera

The //polytype RHM 100/150/200 & 300 is a high-quality Swiss product delivering excellent process reliability. Its ease of access also makes it a very maintenance-friendly and user-friendly machine.

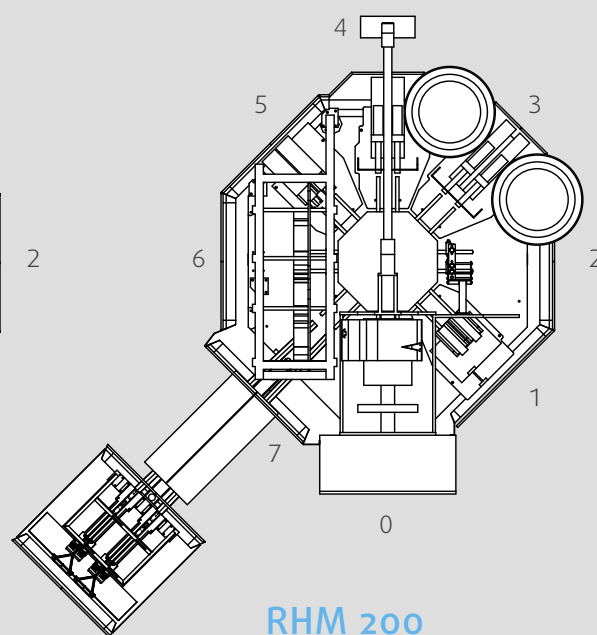
The //polytype CM 120 is a high-quality cap-ping machine designed in Switzerland that fulfills everyday needs. It is the optimal solution as a standalone machine for flexible production.

Many high-quality processes on a single machine

- // Fast product changeovers and simple maintenance
- // Simple control interface designed for a fast set up
- // Integrated process control for a safe production
- // Prepared for industry 4.0



RHM 150



RHM 200
(like RHM 100)

Stations can be set up for RHM 160

- 0 – Feeding tubes
- 1 – Membrane film punching
- 2 – Membrane film sealing
- 3 – Mark detection
- 4 – KPFS for cap screw-on / snap-on
- 5 – KPFS for cap screw-on / snap-on
- 6 – Cap tightening
- 7 – Unloading tubes

Stations can be set up for RHM 200

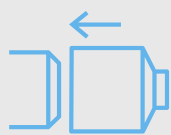
- 0 – Feeding tubes
- 1 – Membrane film punching & sealing
- 2 – Mark detection
- 3 – KPFS for cap screw-on / snap-on
- 4 – KPFS for cap screw-on / snap-on
- 5 – Cap tightening
- 6 – Labeling
- 7 – Unloading tubes

Technical data	RHM 100	RHM 150	RHM 200
Min./max. diameter:	(13.5)19-50(60) mm	(13.5)19-50(60) mm	(13.5)19-50(60) mm
Skirt length:	50-215 mm	50-215 mm	50-215 mm
Cap diameter:	13.5-60 mm	13.5-60 mm	13,5-60 mm
Max. speed:	100 tubes/min	150 tubes/min	200 tubes/min
Mandrels*:	8	16	16
Weight of main machine:	~6000 kg	~6000 kg	~7000 kg

Feeding tubes

Tubes are fed onto a vacuum drum using chain pins. Vacuum

prisms transfer the tubes from the vacuum drum to the mandrels safely.



Tube head snipping

As the tubes are rotated very quickly, a guillotine blade is used

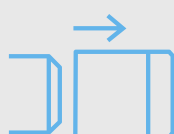
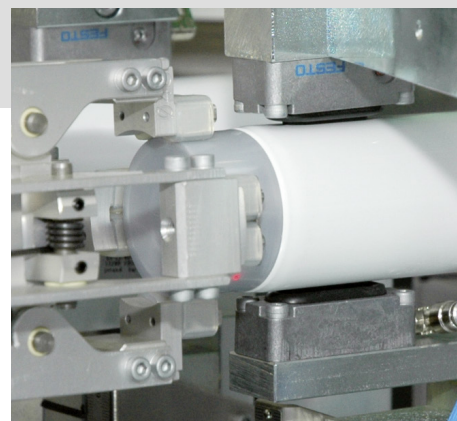
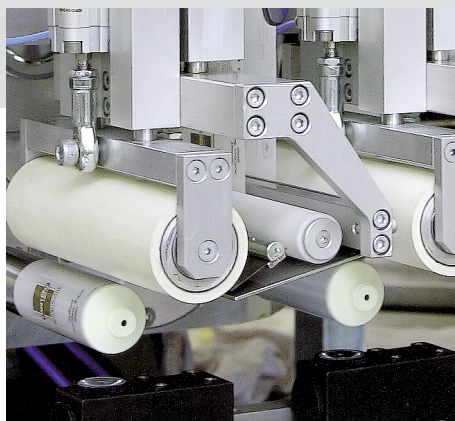
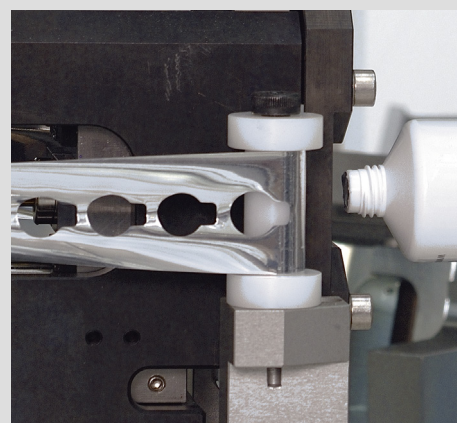
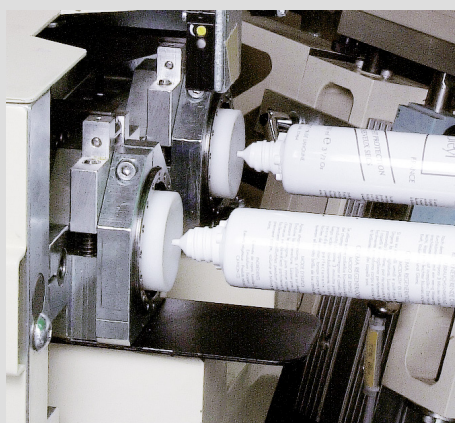
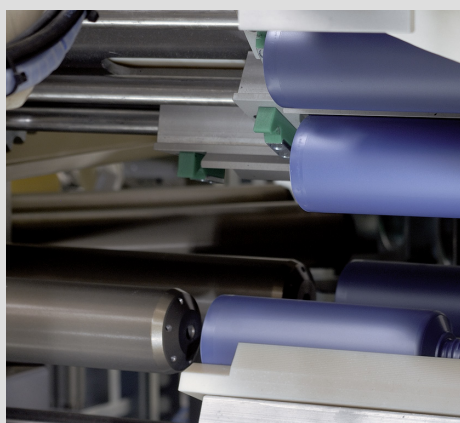
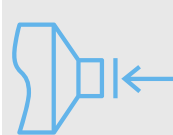
to cut the injection-molded tube heads cleanly to precisely the right size.



Membrane film fixing

To seal the tube opening, precisely sized membranes are punched out before the

aluminum or plastic laminate film is welded to the tube head.



Unloading tubes

The finished tubes are blown out onto a conveyor belt that is

connected to a downstream drum and guides the tubes to the next process step. Rejects are also removed during this process.



Labeling

To attach self-adhesive labels, the label is first aligned precisely

with the relevant cap or tube mark and then applied cleanly.



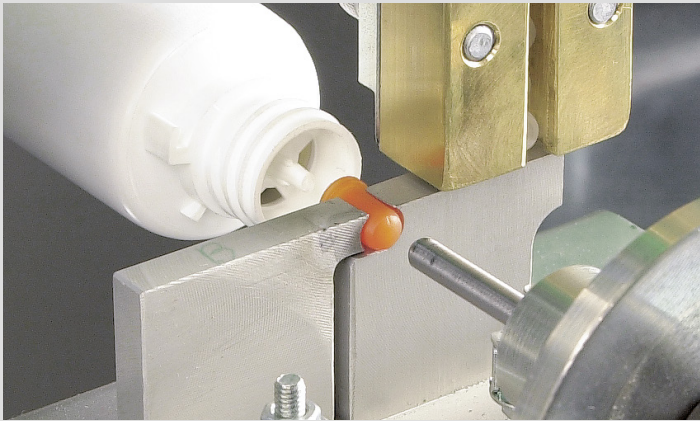
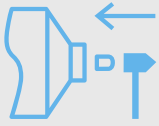
Cap tightening

Once a cap has been screwed on, a controlled process is used to

tighten it using the correct torque.

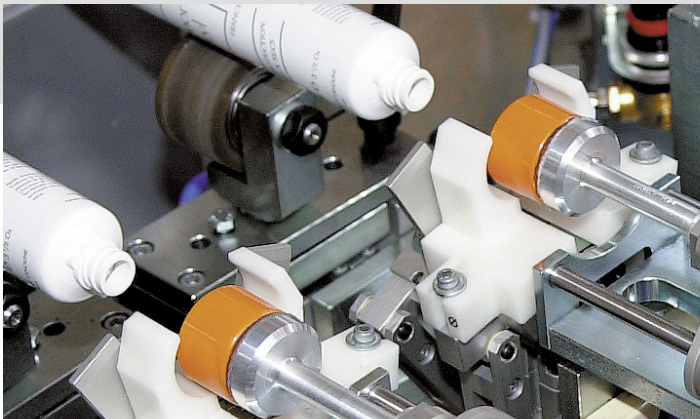
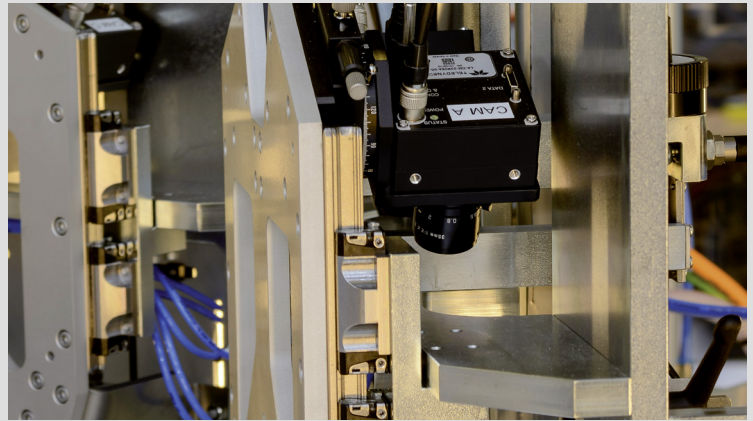
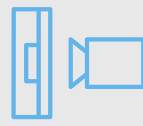
Special applications

At this station, various types of inserts or pump spray heads are applied to the tube. Special solutions can be implemented to meet a wide range of requirements.



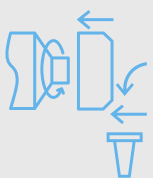
Camera system

Camera system for registering mark detection on caps to ensure easy set-up and precise positioning and/or camera system for final quality check.



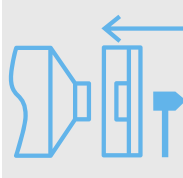
Cap screw-on

In this process, standard screw-on caps are applied correctly with the standard KPSF station. With the 90° station, the application of conical caps can be carried out easily.



Cap snap-on

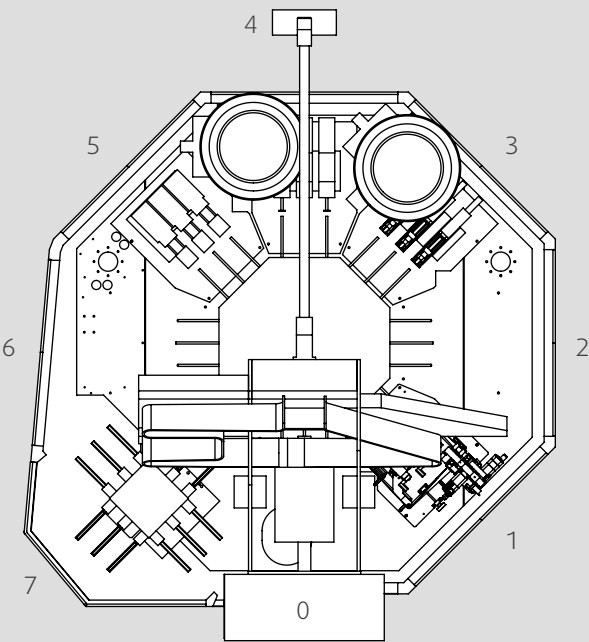
In this process, flip-top caps are positioned correctly and pressed on with the standard KPSF station in accordance with the tube design.



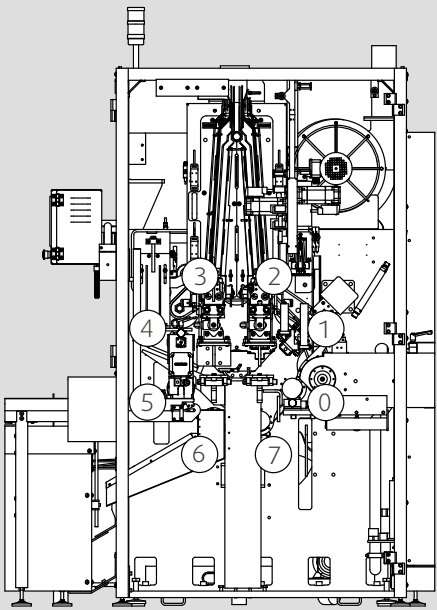
For all your tube capping needs

Other options:

- // Processing of metallized closures
- // Application of oval caps



RHM 300



CM 120

Stations can be set up for RHM 300

- 0 – Feeding tubes
- 1 – Membrane film punching & sealing
- 2 – Mark detection
- 3 – Combi screw-on station
- 4 – KPFS for cap screw-on and snap-on
- 5 – Cap tightening
- 6 – Free
- 7 – Unloading tubes with prisms

Stations can be set up for CM 120

- 0 – Feeding tubes
- 1 – Feeding step 2 / Loading control
- 2 – KPFS for cap screw-on and snap-on / Or membrane film punching & sealing
- 3 – KPFS for cap screw-on and snap-on
- 4 – Cap tightening
- 5 – Unloading tubes
- 6 – Waste
- 7 – Check unloading

Technical data	RHM 300	CM 120
Min./max. diameter:	(10)19-50 mm	19-50(60) mm
Skirt length:	50-215 mm	50-215 mm
Cap diameter:	10-50 mm	19-60 mm
Max. speed:	300/min	120/min
Mandrels:	24	8
Weight of main machine:	~8500 kg	~2500 kg

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