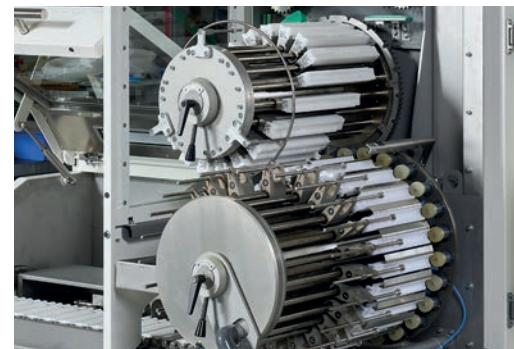
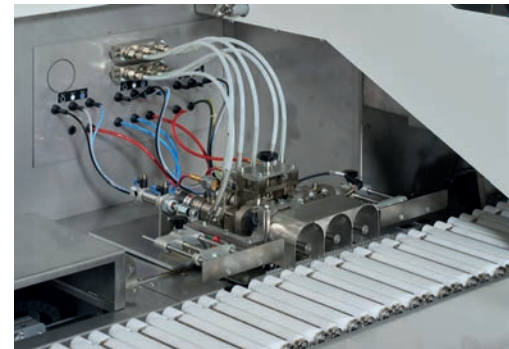
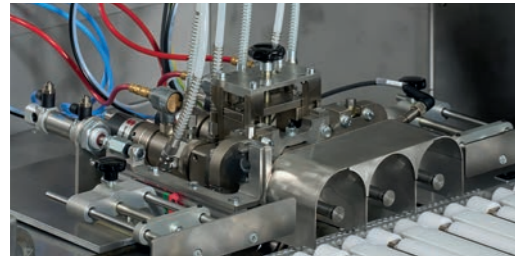


TGA-250 EVO TUBE LATEXING MACHINE



TGA-250 EVO PRECISE LATEXING WITH INTEGRATED INSPECTION UNITS

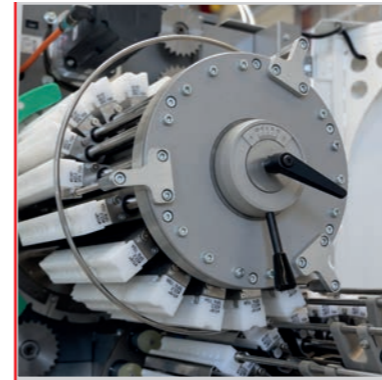
The new TGA-250 EVO tube latexing machine combines several production steps from different Sprimag machine solutions. The tubes are not only latexed, but also inspected both pneumatically and visually and ejected directly in case of defects. Three S-540 centrifugal guns with adjustable stroke perform the latexing function, so that even more precise results are achieved due to the longer latexing times.



Latexing unit

Latexing is carried out by three S-540 centrifugal units with adjustable stroke movement. In combination with a sophisticated lifting / swivel mechanism, maximum latexing times and the most precise results are achieved.

Integrated LED lighting



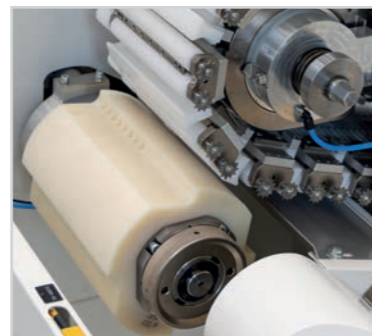
Infeed drum

The tubes are fed via a pin chain and infeed drum, making the design extremely flexible for a wide range of line integration options.



Option 1 | Linear unit

The optional servo linear unit serves as an open platform for mounting a wide variety of camera inspection systems for inspecting the inside of the tube.



Outfeed starwheel

Outfeed starwheel with quick-change system for precise transfer to the packaging machine.



HMI

The intuitive HMI with multi-touch technology has an all-round stainless steel housing and is optimized for high hygiene requirements.

Parts ejection

The first parts ejection takes place after the optional pneumatic leak detection.

Option 2 | Leak detection drum

You will find all details on the following page!

Parts ejection

The parts ejection after the optical inspection ejects all the tubes detected as defective before transferring them to the packaging machine.

Size part independent conveyor belt

Production speed	up to 200 cans per minute
Diameter range	Dmin 10 mm, Dmax 50 mm
Length range	Lmin 70 mm, Lmax 220 mm
Application technology	3 centrifugal guns type S-540
Number of testing heads	24 heads

OPTION 2 | PNEUMATIC LEAK DETECTION

In the first inspection unit, upstream of latexing, 24 testing heads inspect the aluminum tubes in a two-stage pneumatic process to check for leaks and cracks down to a minimum leak/ crack size of 0.05 mm. If defects are detected at this point, the parts are already ejected here.



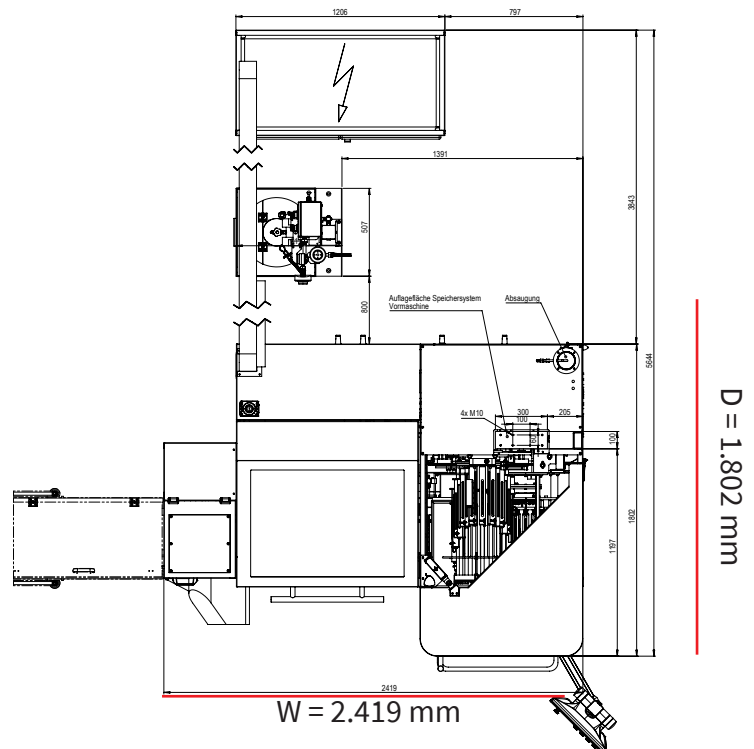
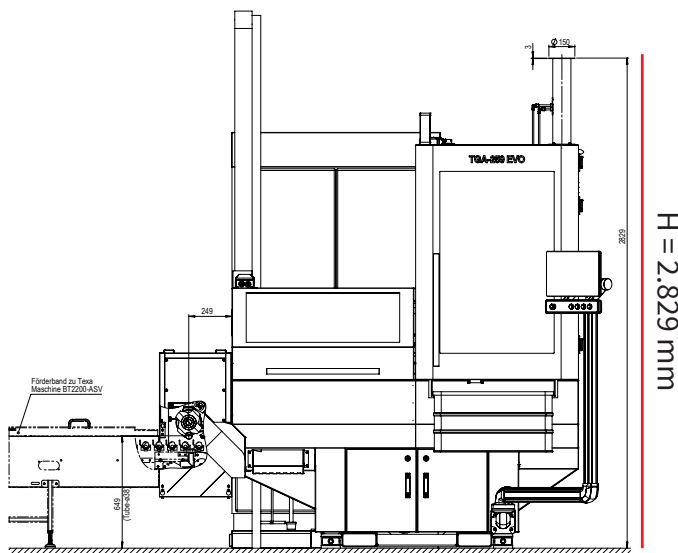
Measurable leak/crack size

- e.g. tube diameter $\varnothing 19 \times 100 > \varnothing 0.05$ mm
- e.g. tube diameter $\varnothing 50 \times 200 > \varnothing 0.15$ mm

Test pressure up to 250 mbar

COMPACT DESIGN WITH HIGH FUNCTIONALITY

Width: 2.419 mm
Depth: 1.802 mm
Height: 2.829 mm
Weight: 2,4 t



sprimag
automated coating
systems

Sprimag

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