

LANICO

rectangular can making line
RCL 5

*An engineering marvel
standing the pace*



***High speed modular line
for the production
of irregular shaped cans***

The concept to offer machine versions within particular production ranges, both for small and large size containers allows a perfect adaptation to the individual requirements in production.

The model RCL 5 perfectly covers the production range up to 5 litre containers. Optionally, the machine can be supplied to produce conical shaped cans as well.



60 - 100 / min*



60 - 210 mm



80 - 360 mm

** related to dimensions*

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This latest state of the art innovation offers highly compact and in modular design the following operations:

- Side Seam Detection by Camera System
- Expanding
- Squeeze flanging
- Bottom end seaming
- Top end seaming

The welded can bodies are vertically fed to the machine, separated, side-seam detected by a high resolution camera system, positioned and transported to the first station where the bodies are expanded into the required shape. Depending on the machine speed

required, 1-3 expanding stations are mounted. On completion of those operations the can bodies are transferred to the squeeze flanging station to be flanged at both ends simultaneously. The constantly high flange accuracy produced by this module is the precondition for a reliable double seam. Due to the small axial loads required for squeeze flanging both light gauge material and extremely tall can bodies are processed without risk of deformation or overflanging in the corners. The flanged bodies are fed into the following bottom end seaming station where four rotating seaming rollers perform a high standard quality seam.





***Vertical processing
of can bodies***



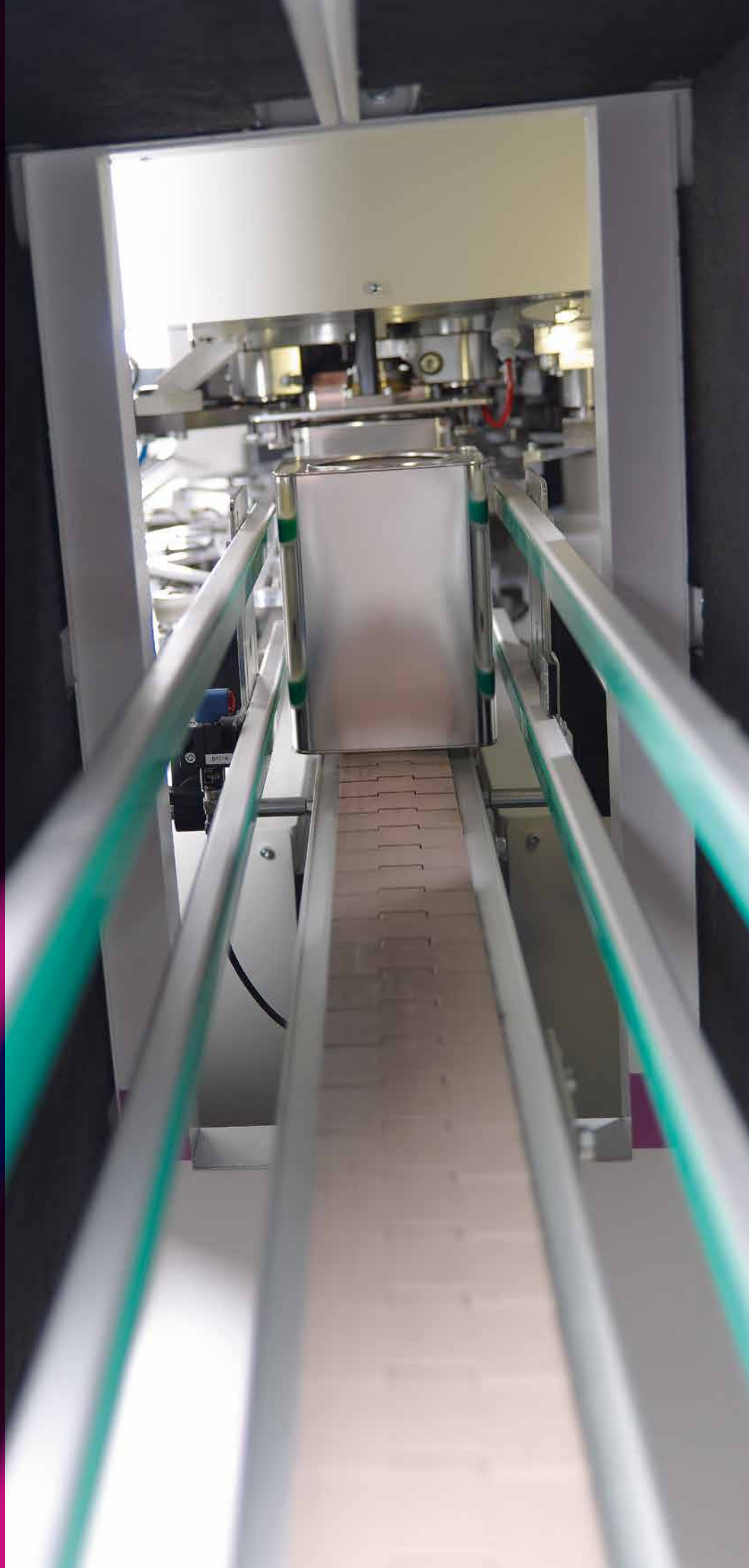
The welded can bodies are vertically fed to the machine, separated, side-seam detected by a high resolution camera system, positioned and transported to the first station where the bodies are expanded into the rectangular shape.

The top end seaming operation is performed in the following station without turn-over, thus eliminating the risk of damages caused by conventional turnover devices. Extended bottom and top end feeders outside of the protection cover guarantee a continuous feeding of components into the seaming

stations. When seaming is completed the cans are discharged automatically.

Height changes are performed by the motor driven adjustment system, size changes are carried out comfortably by means of modular tools and pre-set lever systems.

***Continuous
feeding –
automatic
discharge***






Extended bottom and top end feeders outside of the protection cover guarantee a continuous feeding of components into the seaming stations. When seaming is completed the cans are discharged automatically.

The machine is driven by several powerful and dynamic servomotors and controlled by a modern high-performance PLC. The safety devices at the machine are communicating over AS-Interface. The highly efficient protection housing in combination with large doors allows comfortable

access to the individual areas of the machine and significant noise reduction required by the CE regulations. The optional high resolution video monitoring system allows a visual inline check of all quality related parameter.



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