



PART OF
marel

FALCON robotic



100 mm
200 mm
300 mm
400 mm
500 mm
600 mm



Automation rather than standstill: **FALCON robotic**



Automated precision

With the Robotic Line, TREIF offers you the option of taking another step towards automation. This makes your company more independent of the labour market and saves valuable time in production.

The intelligent camera system measures, records and places products with or without bones with great accuracy. The TREIF robotics technology ensures a constant placement format in deep-drawn, flat-board or tray packaging thanks to the precise detection of the contour and possible twisting of the slice.



Choose your perfect gripper!

For varied, optimum implementation of the product range, different gripper types are used, whether individual or double gripping of slices in one or multiple pick&place units.

The quick release additionally allows quick product changes and minimises your setup times.



Continuous feeding

High-speed cutting with extremely high throughput and continuously reliable precision – this is what the FALCON evolution stands for.

Based on nearly twenty years of experience in the area of cutting precisely weighed portions, TREIF developed the FALCON evolution.



Numerous options for product presentation

The different placement patterns in the pre-formed tray or deep-draw packaging strengthen your flexibility in interacting with your retail partners and support the latest trends in product marketing.





Shorter changeover time. Higher quality. More yield.



Different line solutions are possible, e.g. the fully automated solution with robot technology (top).

Your benefits at a glance

- Fewer personnel hours required and omission of shift changes through automation - save costs and time at the same time
- The 4D camera system completely captures and calibrates the product
- Fully automatic sorting and placement process using robot technology - for cutting with or without bones
- Also ideal for cutting according to slice thickness or weight specification
- Portioning of a product into different weights at the press of a button - calculation of the optimum slice thickness to achieve the target weight
- Highly flexible cutting system with different optional modules such as pre-weigher/dynamic portioning separator/grouping unit/weight check scales/sorting station with pusher(s), e.g. separation of underweight or overweight slices (optional)/flip-flop belt

Technical data:

Max. picking capacity/min (per robot)	80 (single gripper)
Max. picking capacity/min (per robot)	125 (double gripper)
Products	Boneless and bone-in
Gripper systems	Vacuum and finger gripper
Greiferwechsel	Quick-change system without tools
Packaging shapes	Flat Trays, MAP, Slimfresh, Deep drawing unit

Packaging sizes	Application-dependent
Number of tray lanes	1 or 2
Max. product weight (kg/lb)	3; 6.6 (with gripper)
Size of robot work envelope (mm/inch)	1,130; 44 1/2"
Length with FALCON evolution (mm/inch)	ca. 12,000; approx. 472 7/16"
Width / Height (mm/inch)	2,200 / 2,500; 86 3/5" / 98 27/64"
Connecting load (kW)	20

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