

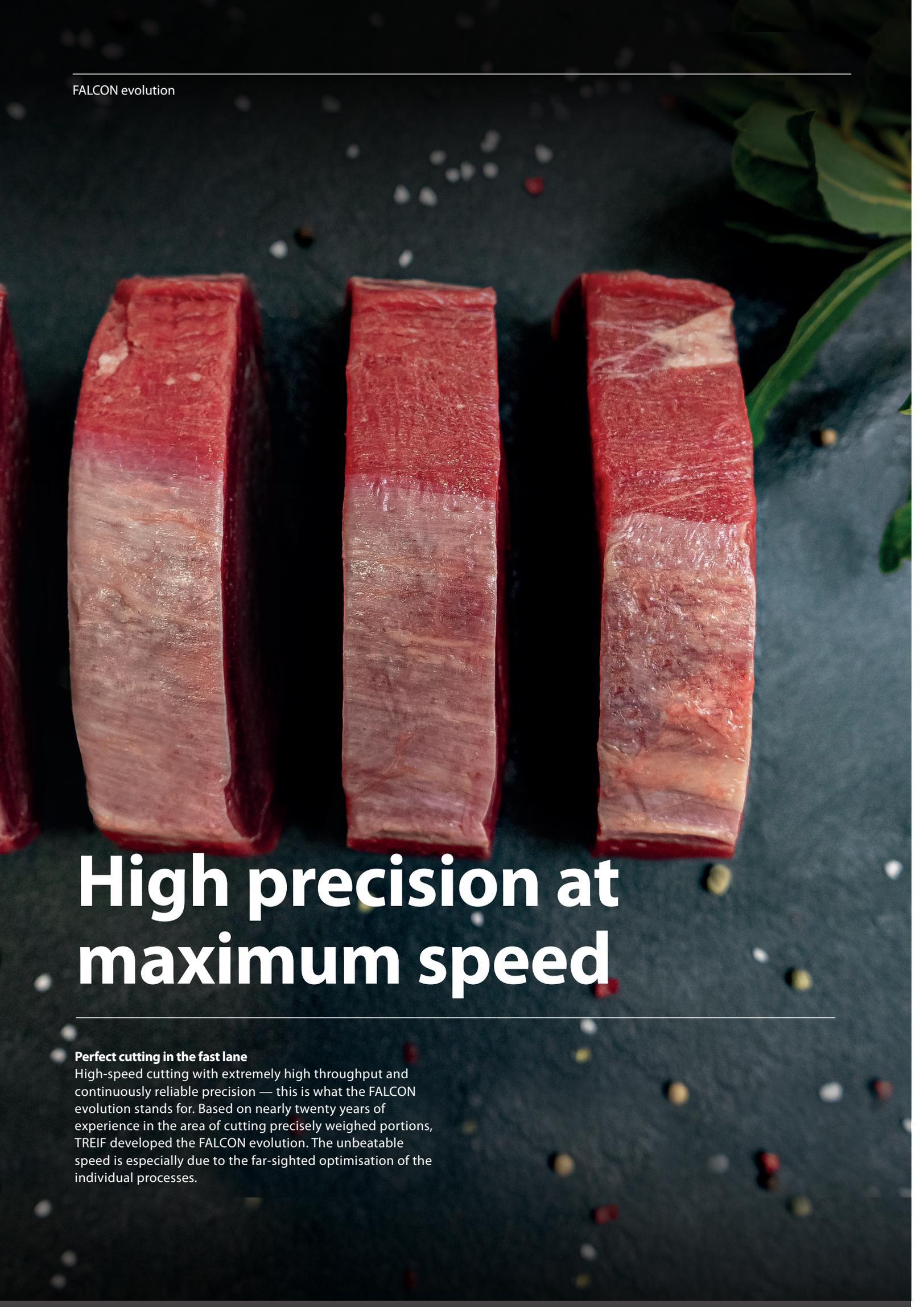


High precision at maximum speed

FALCON evolution



- High precision at maximum speed
- Perfect cutting in the fast lane
- Hygiene at the latest level
- Maximum stability
- Different line solutions possible,

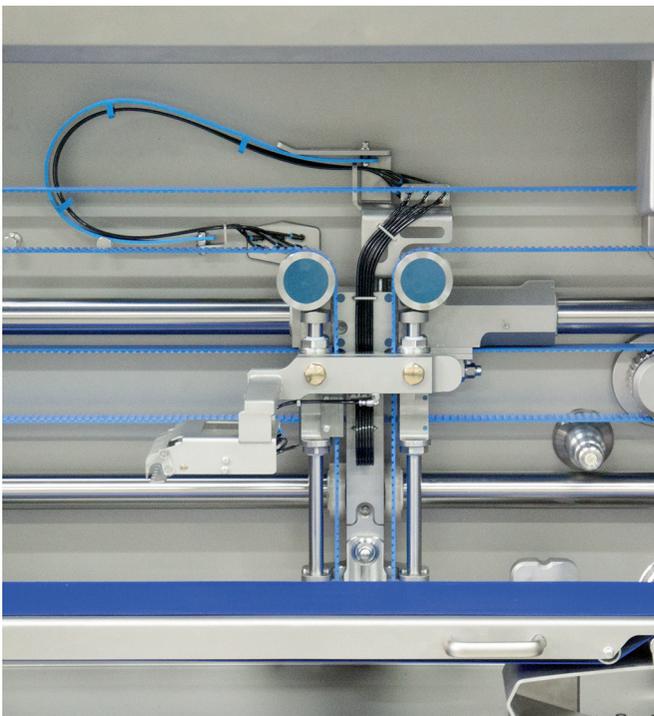


High precision at maximum speed

Perfect cutting in the fast lane

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. The unbeatable speed is especially due to the far-sighted optimisation of the individual processes.

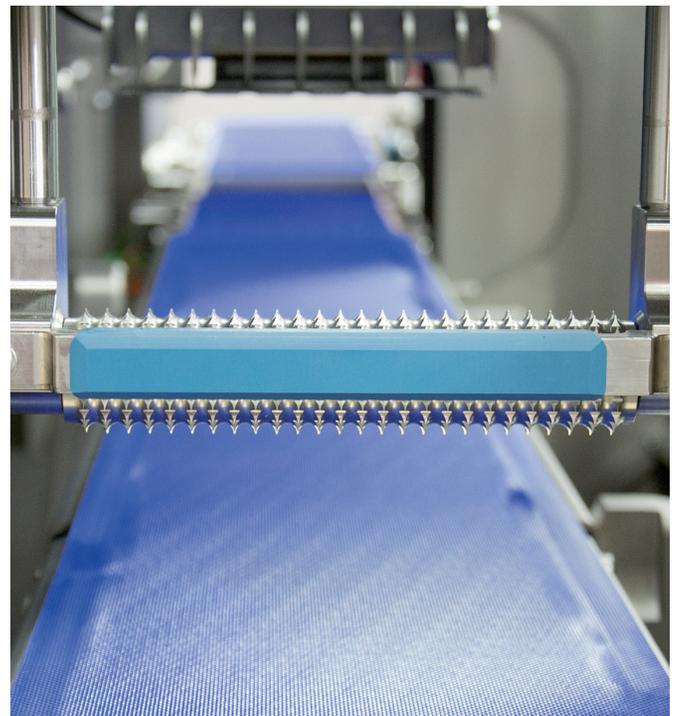
Maximum stability and hygiene for maximum yield



Hygiene at the latest level

A look into the machine also shows a revolutionary and unparalleled openness. With this Premium-Hygiene-Design, the hygiene standard is reinterpreted.

The required core temperature, becomes tastily crunchy and stays succulent. All of this happens without either weight or thereby yield suffering.



Sophisticated technology

A stable product is extremely important for cutting. No precision without absolute stability. No optimum yield without precision. The driven, contour-controlled TREIF downholder, along with the product gripper, is an important component in regard to the precision, which provides a high degree of stability for the product during cutting. Thanks to highly modern technologies, the blades are guided along the product contours.



Transfer unit for linked calibration press

A strong connection

Reactive communication takes place between the upstream press and the FALCON evolution: Sensors and light barriers, for example, automatically transmit the information whether the press can transfer the next product to the portion cutting machine after selection. The process-oriented buffer function allows continuous loading for maximum performance of your line.



Premium: from cutting to cleaning



Cutting and inserting

The TREIF robotic in combination with the FALCON evolution offers you a fully automated cutting, sorting and placing process.

Light and easy

Reducing the functional parts and thus reducing the weight of the accessory parts facilitates the work of the operator significantly. This also offers significant advantages in terms of maintenance intensity.



Opening and cleaning

The opening mechanism contributes to the easy and quick cleaning of the FALCON evolution. The blade is guided safely between the two plates.

Benefits

- Continuous loading
- Fully automated cutting
- Reduced weight of the accessory parts
- Easy and quick cleaning



Your benefits at a glance:

Benefits

- Continuous loading – top weight results (4D camera system completely captures and calibrates the product)
- Yield-optimised cutting thanks to 4D camera system in combination with innovative software programs and feedback control (option)
- Optional software components, e.g. for increasing performance (Performance Pack) or reducing
- Also ideal for cutting according to slice thickness or weight specification
- Portioning of a product in various weight categories at the press of a button
- Dynamic portioning separator for precise placement of semi-frozen products or products with bones (optional)
- Fewer personnel hours through grouping unit for grouping the cut portions (optional)
- Variety of different line solutions, e.g. manual insertion line or express sorter for harmonious process sequence with continuous product flow and efficient work processes (optional)
- TREIF robotic: fully-automatic sorting and placement process using robot technology (up to 100 picks/min per robot head; on request)
- Optimised process times during loading and cutting processes for increasing performance
- Safe cutting process through following retainer including product-contour guided blade control
- Downstream weighing unit for weight check with up to 300 weighing cycles per minute, including feedback control for continuous give-away regulating (optional)

One machine- Numerous options



Different line solutions are possible, e.g. solutions with reduced personnel hours (Smartline) (below) and the fully automated solution with robot technology (above).

TECHNICAL DATA

Max. cuts per minute (Theoretical maximum value)	550
Cross-section of product W x H (mm/inch)	depending on application, max. up to 260 x 180; 10 1/5" x 7 1/10"
Max. infeed length (mm/inch)	gripped: 800; 31 1/2"
Housing dimensions (mm/inch)	
Length with pre-belt without check weigher	4,422; 174" / depending on model max. 4,688; 185"
Length with check weigher and sorting station(s)	on request
Width / Height (mm/inch)	1,767 / 2,522; 69 9/16" / 99 3/10"
Connected load (kW)	10.3 without check weigher; 11.3 with check weigher
Applications	depending on product, up to -4 °C / 24.8 °F
Weight machine (50 Hz/60 Hz) with pre-belt, without portioning belt (kg/lb)	approx. 1,589; 3,503 depending on model max. 1,910; 4,211
Product specific accessories	on request



Different line solutions are possible, e.g. solutions with reduced personnel hours (Smartline) (above) and the fully automated solution with robot technology (top).

TRANSFORMING FOOD PROCESSING

