



ferrum

ferruCare - We take care of your can seamer

MODULAR CONVERSIONS FOR TAILOR-MADE SOLUTIONS



MODULAR CONVERSIONS EXACTLY FOR YOUR NEEDS

Your can seamer is built to last, and Ferrum's modular conversions help it keep evolving with your needs. Bring your machine up to the latest standards in performance, hygiene, safety, and sustainability, optimizing your processes for greater efficiency and product quality as markets and regulations change.



MEET NEW REQUIREMENTS

Old equipment often needs upgrades to meet increasing hygienic, safety and workplace-related regulations. Our proven solutions help numerous customers all over the world.



MINIMIZE DOWNTIME

Our modular conversions support your processes. The tailor-made solutions are known for their high quality, which ensures less downtime and allows you to use resources for other tasks.



IMPROVE PERFORMANCE

The performance of products decreases over time and new equipment is more efficient. Increase your efficiency by modernizing your seamer with the latest innovations and technologies instead of simply replacing parts.



SUPPORT SUSTAINABILITY

Sustainability has never been as important as it is today. Upgrade your seamer with our modular, resource-saving conversions to protect the environment.

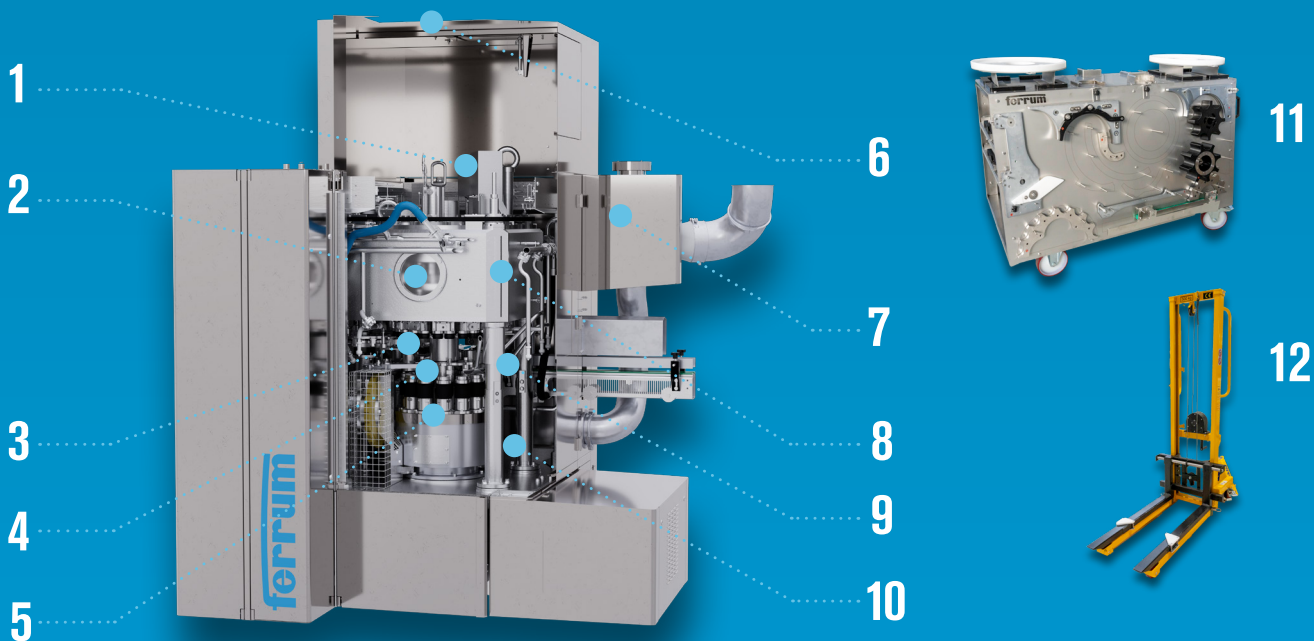


TABLE OF CONTENTS

MODULAR CONVERSIONS

PAGE 4

1	AUTOMATIC SEAMING CAM Increase workplace safety by eliminating manual changes on the roof.	4
2	FERRULOOP Procure an additional set of interchangeable assemblies and save up to 3 days during overhaul.	5
3	NEW FORMAT PARTS New cans and ends from you, we support your processes through to commissioning.	6
4	HD TOOLING Upgrade your tooling to the next hygiene level while improving ergonomics.	7
5	LIGHT WEIGHT CAN KIT The kit supports the latest trends towards light weight cans and sustainability of the beverage can industry.	8
6	SEAMER TOP COVER A custom cover keeps contamination out, available extra high to match your filler.	9
7	CO₂ EXHAUST UNIT Increase workplace safety and meet current CO ₂ regulations.	10
8	STAINLESS STEEL UPPER PART Increase hygiene with a completely stainless product room.	11
9	CAN INFEEED / DISCHARGE CONTROL Track every can for maximum process safety.	12
10	CONDITION-BASED MONITORING Sensors replace guesswork with live data, so maintenance happens only when it's actually needed.	13
11	TOOLING TROLLEY Simplify and standardize your format change process and improve organization with the tooling trolley.	14
12	LIFTING TROLLEY Improve handling and safety for the format changeover with the lifting trolley.	15

INDIVIDUAL MODIFICATIONS

This catalogue contains our proven conversions, and you can customize your seamer further with individual requests. We regularly develop tailor-made solutions to meet specific needs, so get in touch today for a proposal designed around your requirements.

AUTOMATIC SEAMING CAM

WORKPLACE SAFETY IN FOCUS

Instead of using the safety ladder to perform manual changes on the roof, the seaming cam can be upgraded to an automatic version to set fine adjustments.

Manual tasks are no longer necessary and are carried out **automatically by motor**.

INCREASE SAFETY

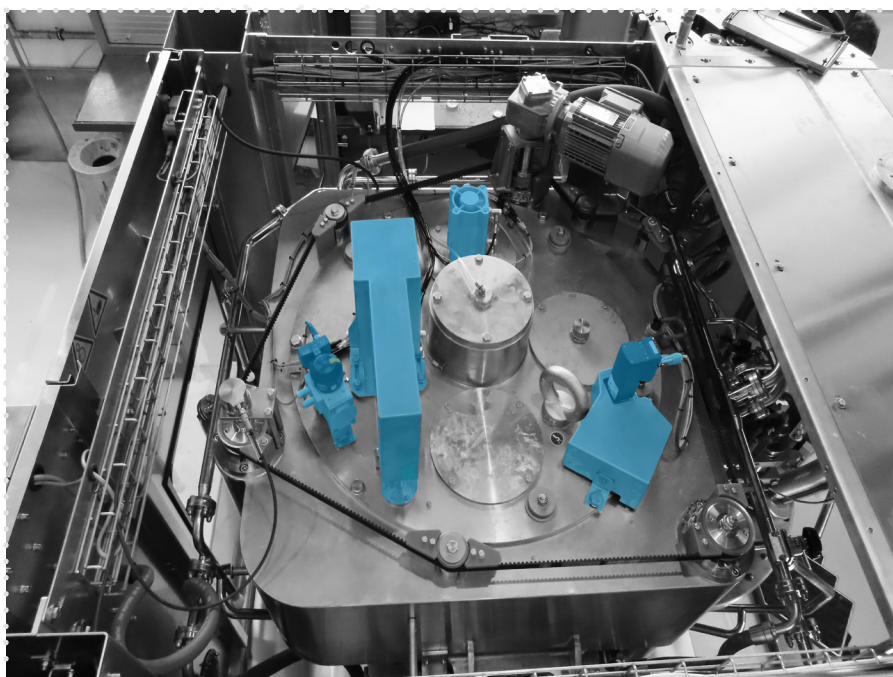
- + Increased operator safety, as all seamer settings are performed via touch panel and thus from the ground
- + 2nd OP can be automatically disengaged for seam control of the 1st OP

OPTIMIZE PRODUCTION

- + Increased accuracy due to automatic, continuous adjustment
- + Reduced changeover times for different materials and thicknesses (less than 1 minute)

PREVENT ERRORS

- + 10 memory positions simplify operation and reduce potential errors
- + Optimizations are directly visualized and saved



Can Seamer	Compatible
F18	✓
F12	✓
F9	✗
F08	✗
F06	✗
F05	✗

FERRULOOP

SAFE AND SIMPLE

Reduce downtime during an overhaul with ferruLoop.

ferruLoop stands for the exchange of complete pre-assembled units during overhaul.

One additional set of interchangeable rotor and lifting stations is procured.

REDUCE DOWNTIME

- + Saves up to 3 days during the annual overhaul of ferruBasic seamers
- + More purposeful deployment of your resources during the annual overhaul

MINIMIZE RISKS

- + Reduces downtime in case of an unlikely machine break-down and prevents massive production losses
- + Overhaul of ferruLoop by a Ferrum service technician after production start-up enables production monitoring

SAVE COSTS

- + A rotor can be used for more than one seamer of the same type
- + Lifting stations are even compatible between the two machine types F12 and F18



Can Seamer	Compatible
F18	✓
F12	✓
F9	✗
F08	✗
F06	✗
F05	✗

NEW FORMAT PARTS

INNOVATE WITHOUT RISK

We are always ready to support your requests for **new can and end format parts**. Our standardized procedures optimally support your processes. We offer additional spare parts to ensure a safe ramp-up.

RELY ON FUNCTIONALITY

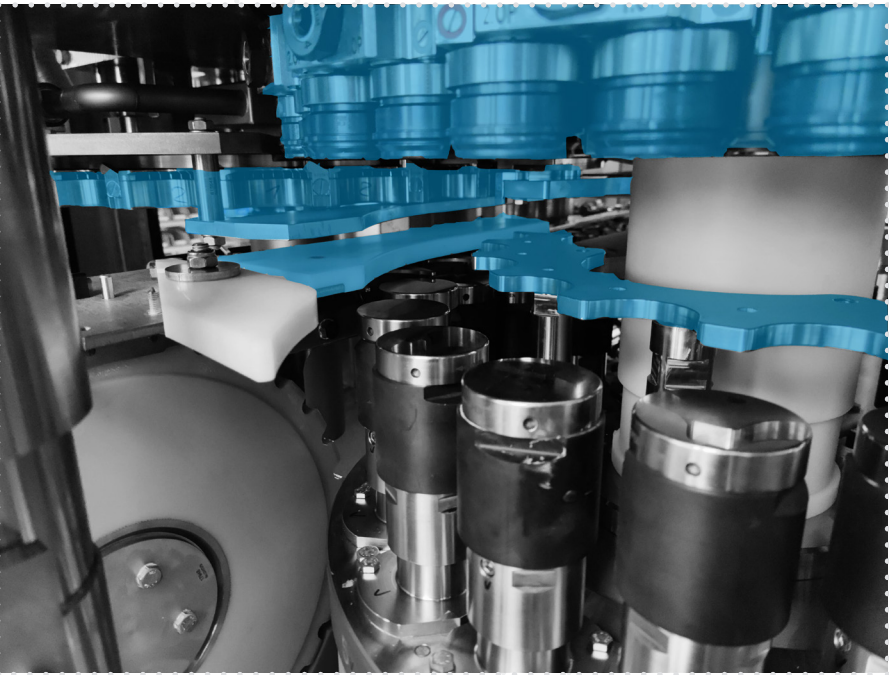
- + We track the latest developments in the canning industry so new formats perform reliably

EMPOWER INNOVATION

- + We support your ideas with our exceptional seaming expertise

REDUCE RISKS

- + Start-up kits are available as an option, including essential spare parts to ensure uninterrupted production in the event of unforeseen incidents



Can Seamer	Compatible
F18	✓
F12	✓
F9	✓
F08	✓
F06	✓
F05	✓

HD TOOLING

UPGRADE TOOLING TO THE NEXT HYGIENE LEVEL

An upgrade to a **hygienic design (HD)** of the tooling includes cut-outs to minimize flat surfaces and precisely adapted radii, both of which facilitate optimal liquid drainage.

Plan the conversion with the annual overhaul to further save resources and time.

IMPROVE HYGIENE

- + Reduced recontamination due to more effective cleaning and reduced surfaces (hygienic design)
- + Completely stainless product area (FDA conformity)

IMPROVE ERGONOMICS

- + Operators benefit from weight savings on format parts during changeovers

CLEAN EFFICIENTLY

- + Time savings and reduced water consumption due to more efficient cleaning and strongly reduced spray shadow formation

Can Seamer	Compatible
F18	✓
F12	✓
F9	✗
F08	✓
F06	✓
F05	✗



LWC KIT (LIGHT WEIGHT CAN)

WE SUPPORT SUSTAINABILITY

As the **trend toward lighter cans** intensifies, so does the challenge of seaming. Thin-walled cans are more sustainable as less material is used but also more sensitive to horizontal forces. As the new generation of cans with an axial resistance force of $>675\text{ N}$ penetrates the market, we introduce two solutions:

- + **The Light Weight Can Kit (LWC kit)** reduces dynamic forces with the help of new lifting stations and the umbrella knockout pads.
- + For can heights above 122 mm, **the High Performance Kit** is additionally introduced to improve the guidance of the can in sensitive areas with broader guides.

ENHANCED WARRANTY

- + Reliable seaming quality maintained with lighter cans

OPTIMIZE PERFORMANCE

- + Machine speed remains unchanged with lighter cans

SUPPORT SUSTAINABILITY

- + With the change to lighter cans, less material is used per can, which supports sustainability



Can Seamer	Compatible
F18	✓
F12	✓
F9	✓
F08	✓
F06	✓
F05	✓

SEAMER TOP COVER ACCORDING TO YOUR NEEDS

We offer a range of seamer top covers as upgrades.

Most importantly, the cover prevents external contamination from entering the product room.

Our covers are available with manual or automatic opening.

IMPROVE HYGIENE

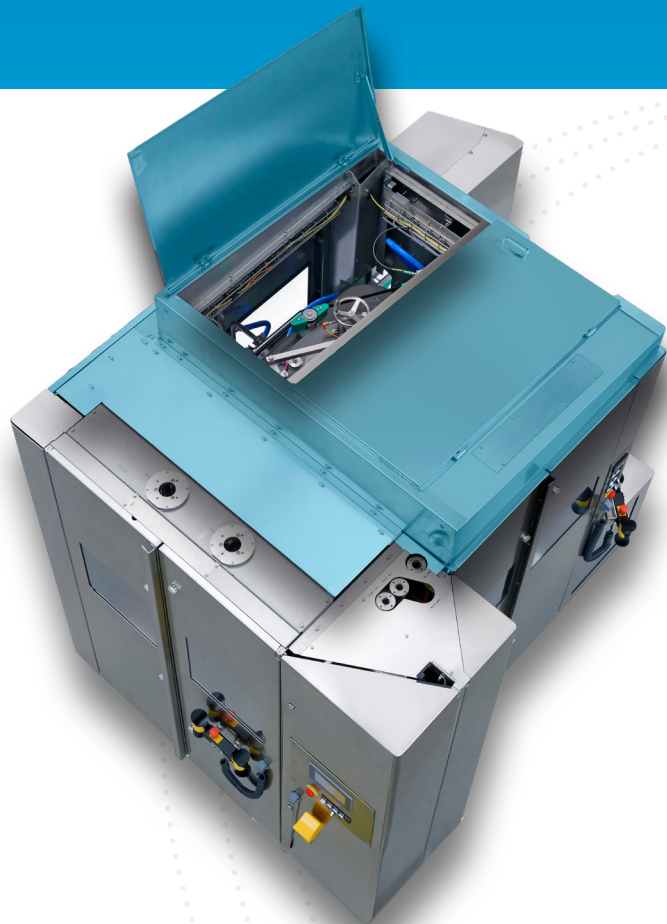
- + Protect your machine from top-down contamination
- + The opening enables faster drying after cleaning and thus reduces recontamination

IMPROVE ERGONOMICS

- + The proven solution considers optimal space for maintenance activities
- + The solution with an automatic opening allows settings to be performed efficiently via touch panel

OPTIMIZE SAFETY

- + The upgrade to automatic operation from the ground increases operator safety since all manual tasks are no longer necessary



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F18	✓
F12	✓
F9	✓
F08	✓
F06	✓
F05	✓

CO₂ EXHAUST UNIT

MEET CURRENT SAFETY STANDARDS

For undercover gassing, CO₂ is used to extend product shelf life.

The **CO₂ Exhaust Unit** increases occupational safety by extracting the CO₂ from the product room.

OPTIMIZE WORKING CONDITIONS

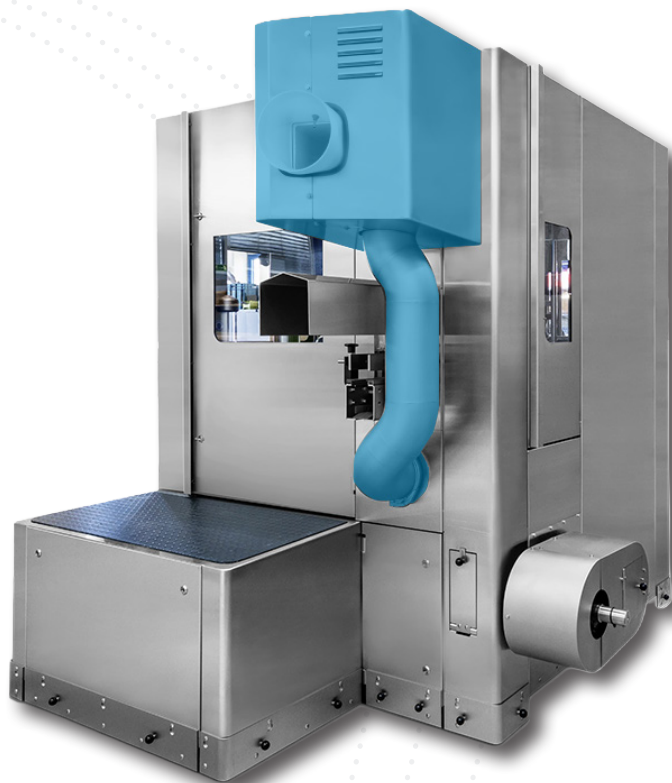
- + Efficient extraction of the CO₂ in the product room prevents exceeding the occupational exposure limit (OEL) due to CO₂

OPTIMAL MAINTENANCE

- + Integrated cleaning nozzle
- + Quick release ring ensures simple disassembly of the pipe for maintenance activities

PROVEN SOLUTIONS

- + The exhaust unit is developed to current industry standards, complies with regulations and helps numerous customers all over the world



Can Seamer	Compatible
F18	✓
F12	✓
F9	✓
F08	✓
F06	✓
F05	✓

STAINLESS STEEL UPPER PART FOR A COMPLETELY STAINLESS PRODUCT ROOM

The upper part is available in a **stainless steel version** as an upgrade. The conversion replaces the installed upper part, eliminating material pairings between cast iron and stainless steel. All attached parts are developed according to the current hygiene standards, so that **the product room consists only of stainless steel** after this conversion and thus can be cleaned optimally.

INCREASE HYGIENE

- + Completely stainless product area (FDA conformity)
- + Hygienic design improves drainage of liquids

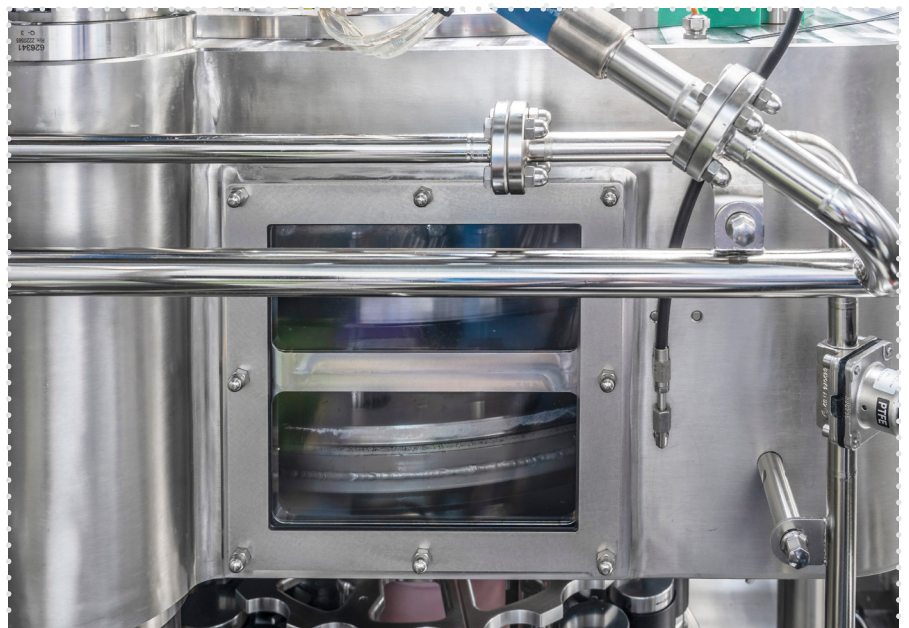
OPTIMIZE PRODUCTION

- + Optimal material pairing prevents corrosion
- + Convert your machine during the annual overhaul to save time and money

EXTEND LIFETIME

- + Upgrade your seamer to the current standard of new machines (F12 / F18)
- + Upgrading important parts of the seamer results in extended lifetime

Can Seamer	Compatible
F18	✓
F12	✓
F9	✓
F08	✓
F06	✓
F05	✓



CAN INFEED / DISCHARGE CONTROL

TRACK EVERY CAN FOR GREATER PROCESS SAFETY

The mechanical triggering of a jack ensures a production stop in case of a can crash. The infeed / discharge control counts incoming and outgoing cans. The sensor at the infeed table is already installed within the standard version. Additionally, a sensor is installed to count cans at the seamer exit. If the number of cans does not add up, the seamer will stop. **This upgrade ensures full control, even after the jack.**

PROCESS SAFETY

- + Detects all missing cans in the seamer

OPTIMIZE PRODUCTION

- + Minimize potential can jam and thus production delay
- + Minimize potential product and material losses



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F18	✓
F12	✓
F9	✓
F08	✓
F06	✓
F05	✓

CONDITION-BASED MONITORING

KNOW YOUR MACHINE'S CONDITION 24/7

Unplanned downtime, guesswork maintenance, and surprise wear all cost you production. Ferrum Condition-Based Monitoring puts an end to that. **High-precision vibration and oil sensors** continuously track the health of your can seamer, from critical wear parts to your oil system, so you always know exactly where your machine stands. The result: maintenance done precisely when it's needed, not too early, not too late.

MAXIMUM UPTIME

- + Minimize unplanned downtime
- + Keep production running

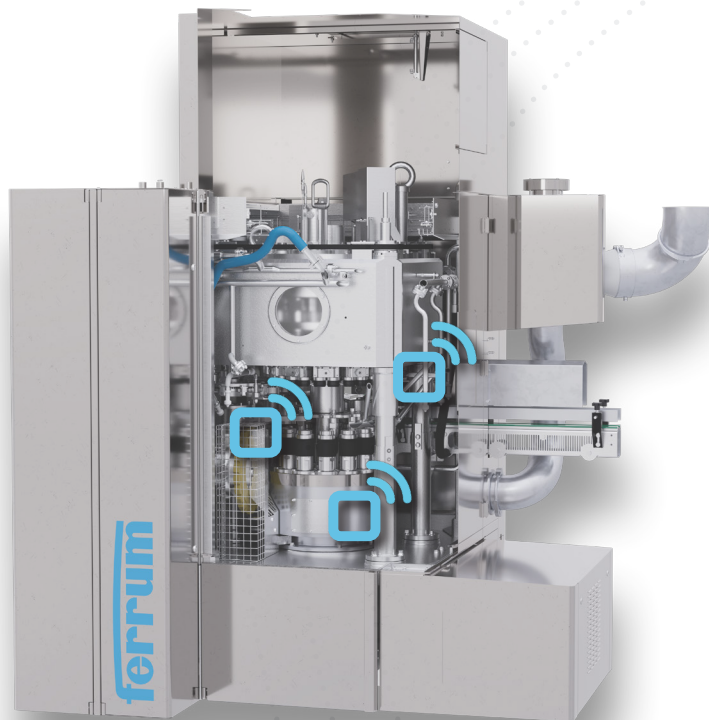
SMART, RELIABLE MAINTENANCE

- + Real data, no guesswork
- + Know your machine's condition 24/7
- + Maintenance exactly when it's needed

YOUR DATA, YOUR CHOICE

- + Keep data fully on-premise
- + Or use the Ferrum cloud for 24/7 dashboards, analytics and alerts

Can Seamer	Compatible
F18	✓
F12	✓
F08	✓
F06	✓
F05	✓



TOOLING TROLLEY

SIMPLIFY AND STANDARDIZE YOUR PROCESSES

With our **tooling trolley** the organization of the format change process is quick and easy.

One tooling trolley offers **space for two complete formats** and is also available for tooling in hygienic design.

SUPPORT STANDARDIZATION

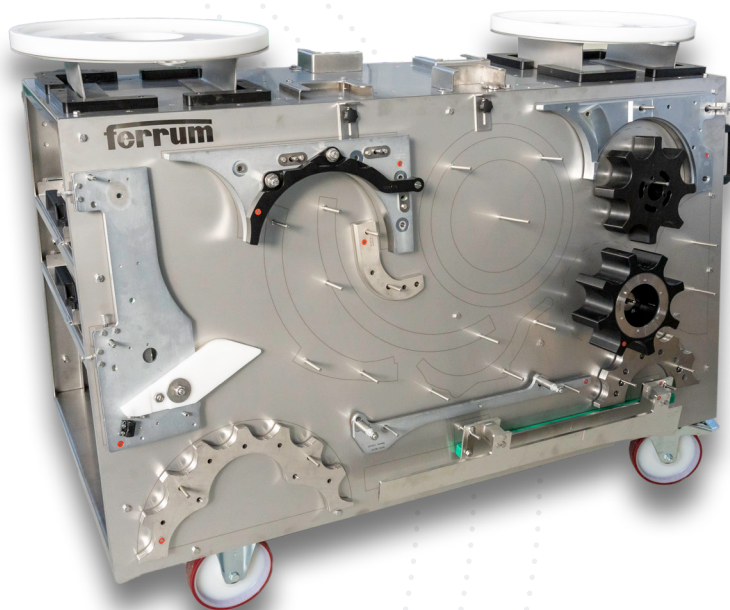
- + Pictogram for positioning instruction ensures easy handling
- + Good overview of all format parts

OPTIMIZE HANDLING

- + Good accessibility of all format parts

REDUCE FOOTPRINT

- + Compact design results in optimal use of space



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F18	✓
F12	✓
F9	✓
F08	✓
F06	✓
F05	✓

CONVENIENT FORMAT CHANGE WITHIN REGULATIONS

The **lifting trolley** replaces the manual assembly assistance and is available as an upgrade. Format changeover has been optimized in handling and safety. It is compatible with the tooling trolley, so that the format changeover can be done quickly and safely.

OPTIMIZE ERGONOMICS

- + Simple and quick operation of the stroke via hand crank
- + Efficient handling due to centering on the tooling trolley

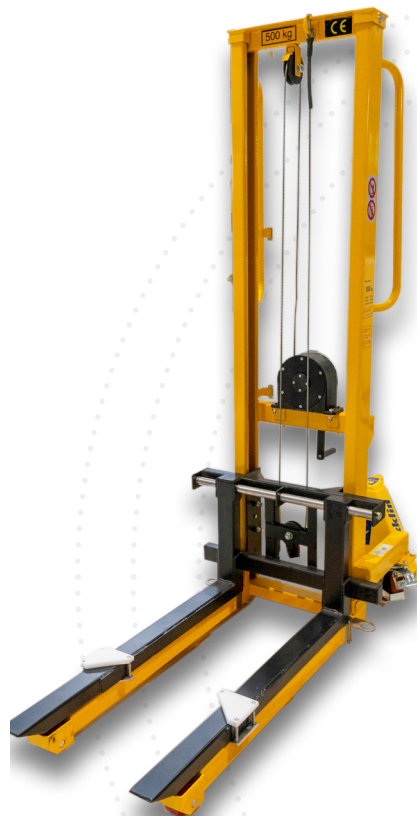
BOOST EFFICIENCY

- + The lifting trolley can be handled by one operator

ENABLE FURTHER BENEFITS

- + Efficient handling in combination with the tooling trolley, which is accessible from all sides

Can Seamer	Compatible
F18	✓
F12	✓
F9	✓
F08	✗
F06	✗
F05	✗



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