

## **CANNING TECHNOLOGY**

**ferruBasic**

# **CAN SEAMERS FOR THE BEVERAGE INDUSTRY**



# ferruBasic<sup>+</sup>



## Standard features



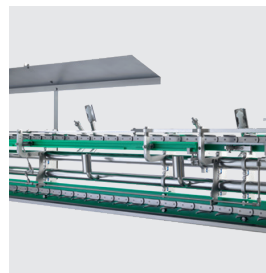
### Seaming cam

The disengageable seaming cam provides quick analysis of the seaming quality without removing the seaming rolls on the 2<sup>nd</sup> operation. The upgrade with the quick-set seaming cam also enables changeover between different can materials and material thicknesses in a few minutes. The can material (aluminium/steel) is identified by a sensor and a signal is sent if the seaming cam is not set correctly.



### ferruFlow

CO<sub>2</sub>/N<sub>2</sub> headspace gassing with the lid feeding star and the bubble breaker are controlled depending of the can seamer speed, which optimizes media consumption. The gas flow may be set via touch panel. The gas piping is designed that it may be flushed during the cleaning process.



### Infeed table

The transfer chain is equipped with a safety clutch. The optional cleaning system for the infeed table (in combination with the WIP) allows to fulfill higher hygienic requirements.



### Wash-In-Place

The can seamer must be regularly cleaned to meet hygienic requirements. With the WIP system, all components in contact with cans in the seaming area, at the can outfeed, at the gassing rotor and optionally, at the infeed table are cleaned with a foam cleaning system.



### Quick changeover tools

The can seamers are fitted with quick changeover tools which reduce format changeover times significantly. The additional colored markings on the parts for each format, makes the changeover simpler and safer.



### Utility tower

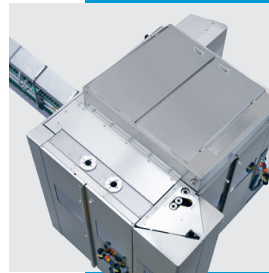
Integrating all supply units such as control technology, pneumatic supply, ferruFlow and oil system into a single housing makes maintenance and service easier. A touch panel is integrated in the housing to enable easy operation. Its separation from the can seaming area allows easy cleaning of the can seamer and increases the operating life of the installed supply units. The integrated oil distribution system controls the flow of oil for all pipes and provides error signals if malfunction occurs.



## Options

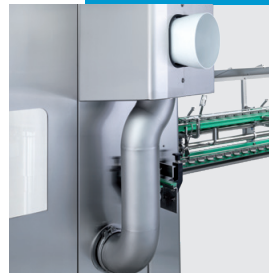
### Automatic quick-set cam

The automatic quick-set cam integrates the benefits of the disengageable and the quick-set seaming cam. It is operated via a touch panel in the utility tower. This saves time and increases safety. Its high resolution provides appropriate accuracy when adjusting the seaming width. Furthermore, several pre-settings may be saved for various material thicknesses.



### Seamer cover

The seamer cover prevents external contamination entering the product area. This is available with manual or remote opening (compressed air). Furthermore, the seamer cover can be provided with fittings for ventilator device.



### CO<sub>2</sub> exhaust unit

The new CO<sub>2</sub> exhaust allows to reduce the MWC value (maximum workplace concentration) efficiently, ensuring maximum safety for the operator. By using corrosion-resistant ventilators and an integrated washing nozzle, the CO<sub>2</sub> exhaust also meets increased hygienic requirements.



### Hygiene packages

In order to meet increased demands in terms of hygiene, Ferrum offers three hygiene packages for the ferruBasic. Hygiene package 1 includes an inclined base plate made of stainless steel which allows optimized liquid drain. In hygiene package 2, all the upper parts are manufactured of stainless steel and can therefore be cleaned with more efficient chemical detergents. Hygiene package 3 focuses on the can guiding components. Optimized measures include consequent minimization of the surfaces and increased edge radii in favour of a hygienic design. As a result, cleaning process is more effective.



### Two-hand operating system (Safeball)

This optional two-hand operating system fulfills increased safety requirements during setting-up work. The current ferruBasic two-hand operating system is adapted to the safety concepts of actual filling lines.



### Flushing device

Heavy contamination such as beer foam or sugar residues may be dissolved and rinsed away from the seaming and lifting elements by the flushing function. The flushing process is carried out at short intervals whereat the cleaning time is kept below one minute.

## Features

- + Fully automatic and closed-loop oil lubrication system for non-stop 24-h operation
- + Speed-controlled CO<sub>2</sub>/N<sub>2</sub> headspace gassing
- + Easy access for maintenance
- + Entire seaming area in in completely stainless execution
- + Quick-change system for quick format change
- + Electrical height adjustment with digital display
- + Motorized Slow-motion function and In-motion timer for automatic synchronization with the filler
- + Large doors for easy access

## Benefits for the customer

- + No greasing access points thanks to a closed-loop oil lubrication system
- + Optimized CO<sub>2</sub> consumption
- + Minimal maintenance requirements
- + Field approved quality and long operating life
- + Short downtimes thanks to quick format changes
- + Extremely high reliability at maximum production output
- + High availability of spare parts due to proven technology
- + Efficient service network
- + Many customized options available
- + With more than 2'500 can seamers in the field, wherefrom 600 of the ferruBasic series, Ferrum assists to our customers as a competent partner.

## Technical data

Model		F05	F06	F08	F9	F12-1 HD	F12-2 HD	F18
Application areas		Food / Beverage	Food / Beverage	Beverage	Food / Beverage > 83 mm	Beverage	Beverage	Beverage
Seaming stations		5	6	8	9	12	12	18
Performance	cpm	210-625	250-750	330-1'000	400-1'125	580-1'600	580-1'750	850-2'500
Can height	mm (Imp)	88-212 (307.5-806)	88-212 (307.5-806)	88-212 (307.5-806)	88-250 (307.5-913)	88-212 (307.5-806)	88-212 (307.5-806)	88-196 (307.5-711)
Can diameter	mm (Imp)	50-106 (200-403)	50-100 (200-401)	50-73 (200-300)	50-99 (200-315)	50-73 (200-300)	50-73 (200-300)	50-73 (200-300)
Can infeed height	mm	950-1'400	950-1'400	950-1'400	1'100-1'600	1'100-1'600	1'100-1'600	1'200-1'500
Chain pitch	mm (inch)	152.4 / 161.9 / 171.5 (6 / 6.37 / 6.75)	133.4 / 142.9 (5.25 / 5.62)	95.3 / 104.8 (3.75 / 4.13)	123.8 / 133.4 (4.87 / 5.25)	92 (3.62)	92 (3.62)	92 (3.62)
Weight	kg (lbs)	4'100 (9'000)	4'100 (9'000)	4'100 (9'000)	5'100 (11'250)	5'100 (11'250)	5'100 (11'250)	7'300 (16'000)
Seaming cam	fixed	●	●	●				
	disengageable	○	○	○	●	●	●	
	quick-set		○	○	○	○	○	●
	automatic					○	○	○
Wash-In-Place		○	○	○	●	●	●	●
Hygiene package 1 (inclined base plate)						○	○	
Hygiene package 2 (stainless top)		○	○	○	●	●	●	●
Hygiene package 3 (hygiene tools)		○	○	○	○	○	○	○

● Standard ○ Option

## Dimensions

Scan for further information on machine layouts.



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