

ORIGINAL OPERATING INSTRUCTIONS

Version 1.0
27.09.2010

Seaming Systems

Filling Systems

Sealing Systems

Vacuum Systems

TOOL CHANGE-OVER F706G / F708G (CAN ONLY)

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1 IMPORTANT INFORMATION

1.1 Overview

This chapter contains basic information regarding quick tool change-over at the can seamer and proper use of these operating instructions.

1.2 Manufacturer and contact address

Ferrum AG	Tel. service:	+41 (0)62 889 12 50
GB Conserventechnik	Fax:	+41 (0)62 889 13 10
Bahnstrasse 18	24 h hotline:	+41 (0)62 889 13 00
CH-5102 Rupperswil	E-mail:	conserven@ferrum.ch

1.3 Target group

These operating instructions are intended for the operators (operating company) and users in the beverages sector who are responsible for changing over and adjusting the can seamer tools.

1.4 Obligation to read

As operator (operating company) and user of the can seamer, you are required to read and understand these operating instructions, in particular ➔ *pages 2-1 to 2-8 of the "Safety" chapter.*

If you have any questions or concerns, please contact a specialist at Ferrum AG.

1.5 What to do if a problem arises

For problems that cannot be solved using these operating instructions, please contact specialists from Ferrum AG. It is absolutely necessary to provide a detailed description of the problem.

1.6.3 Contents and purpose of the operating instructions

These operating instructions contain the quick tool change-over information required by the operating company and user. The purpose of the instructions is to help achieve safe and efficient change-over and use of the can seamer.

No instructions are provided for adjustments and repairs that go beyond normal equipping and maintenance.

1.6.4 Location of the operating instructions

The operating instructions are to be supplied to persons who are assigned to work on the tool change-over of the can seamer.

The operating instructions must always be available to these persons at their workstations.

2 SAFETY

2.1 Overview

This chapter contains the general safety regulations that must be observed during installation, operation and maintenance. Read this chapter carefully before you perform any work on the can seamer.

2.2 Basic principle

The can seamer left the factory in sound condition and ensures a high level of technical safety. Incorrect operation or unintended use will endanger:

- Your life
- Your health
- Machines and equipment

2.3 Safety and operating information in these operating instructions

These operating instructions provide safety information regarding dangerous situations. This will help you to use the can seamer safely.

Operational information will help you to use the can seamer efficiently.

The information is labelled using symbols, signal words and signal colours.

2.4 Intended use

The can seamer may only be used to seam cans or bodies that contain fluid or solid products. No product may protrude over the edge of the can. The headroom specified by the can manufacturer must be maintained.

Intended use also includes:

- Only trained personnel are allowed to operate and handle the machine.
- All safety and operational instructions have to be observed.
- All safety regulations have to be observed.
- The can seamer has to be cleaned as specified in these operating instructions.
- The maintenance instructions have to be followed.

Personal injury or material damage

Any other use is considered unintended use and can lead to personal injury or material damage, in particular:

- Using cleaning agents that have not been approved by Ferrum AG.
- Operating the can seamer when cleaning solution residues are left in the can seamer.
- Processing products for which the can seamer has not been designed.

Ferrum AG and its representatives are not liable for damage resulting from unintended use of the can seamer.

2.6 Control stations

The can seamer has the following control stations:

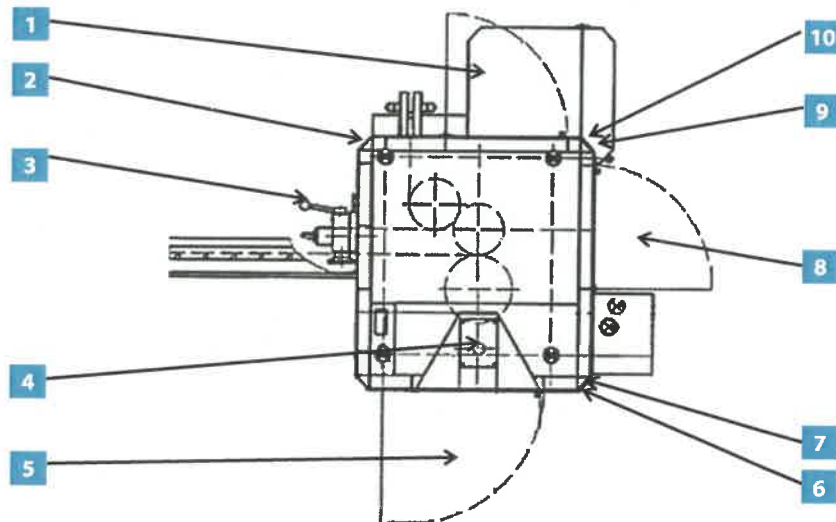


Fig. 2-10: Control stations

- (1) Rear operating side
- (2) Control station for locking/unlocking left guard door
- (3) Filler drive
- (4) End feed magazine
- (5) Front operating side
- (6) Front mobile control station (with EMERGENCY STOP button)
- (7) Control station for locking/unlocking front guard door
- (8) Right operating side
- (9) Control station for locking/unlocking guard door of can seamer manual wheel
- (10) Rear mobile control station (with EMERGENCY STOP button)

2.7 Protective equipment

When working on the can seamer, wear:

- Safety shoes
- Tight-fitting clothing

3 REMOVING THE TOOL KIT

3.1 Overview

This chapter contains all necessary information for removing the tool kit of the can seamer.

3.2 Safety regulations

The tool change-over may only be performed by trained, specialised technicians. They must have carefully read and understood the entire contents of this chapter, ➞ *pages 2-1 to 2-8, the chapter on "Safety"* as well as all other referenced chapters in these operating instructions.



WARNING!

Unintentional startup.

If the can seamer is switched on unintentionally, moving and rotating can seamer parts can cause severe injuries or death.

- Take measures to prevent the can seamer from being switched on unintentionally.
- When working on the can seamer, secure it so that no person or situation can effect changes to the can seamer while you are away from it.
- Before starting settings adjustment and maintenance tasks, padlock the main switch against being switched back on.

3.4 Removing the tool kit

1. Disconnect the filler drive (1).



1 Filler drive

Fig. 3-1: Disconnect filler drive

2. Slacken the head clamping screws (2) on the columns.



2 Screws

Fig. 3-2: Slacken screws

3. Raise the seaming head using the manual pump (3).



3 Manual pump

Fig. 3-3: Height adjustment upwards

7. Remove the gassing turret (8).



8 Gassing turret

Fig. 3-7: Remove gassing turret

8. Remove the centre turret (9).



9 Centre turret

Fig. 3-8: Remove centre turret



NOTE

Do not remove the flange hub (10)!



10 Flange hub

Fig. 3-9: Flange hub

12. Remove the height gauge.

13. Clean and store removed change parts.



14 Height gauge

Fig. 3-13: Remove height gauges



The tool kit has been removed.

4 INSTALLING AND SETTING THE TOOL KIT

4.1 Overview

This chapter contains all necessary information for installing the tool kit of the can seamer.

4.2 Safety regulations

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DANGER!

Rotating can seamer parts.



If the safety devices and equipment are bypassed, the rotating can seamer parts will cause severe physical injury or death.

- It is strictly prohibited to bypass safety devices.
- Stop the can seamer for maintenance and adjustments and secure it against being switched back on.
- When the can seamer is running, stay away from the in-feed chain at the infeed table and from the can discharge.
- Do not reach into the inside of the can seamer when the machine is running or when it has not been stopped and secured.
- Check the function of the safety devices regularly.

4.4 Installing and setting the tool kit



INFORMATION

Proceed in reverse sequence to fit the new set of change parts.



SET TRANSPORT ELEMENTS!

Before starting the next production, the transport elements are to be adjusted to each other.

You can find information on this in the  *Original Operating Instructions F706/F708, in chapter 9 "Settings"*.

Furthermore, before starting with the next production, perform a seam monitoring and check the seam settings.

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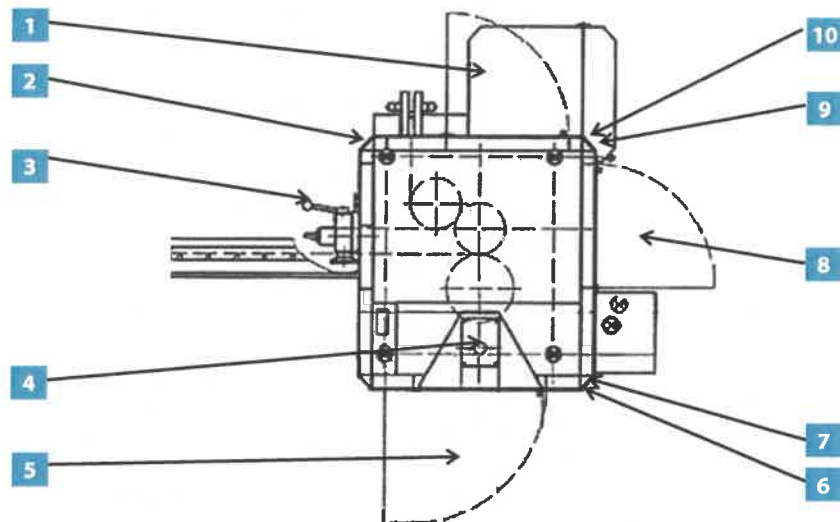


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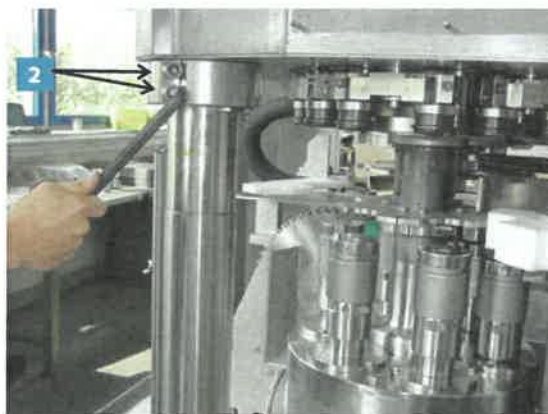
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