

# LANICO

## Can Former CF-Series



## General Line Can Making Equipment



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The perfect synthesis  
of reliability,  
innovative technology  
and sophisticated design



The LANICO CF series was specially developed for the production of three piece welded general line cans, combining several production steps. Depending on the number of spindles the CF will perfectly match all requirements of medium and

high speed general line can production. Equipped with 3 or 4 carousels the LANICO CF machines offer utmost flexibility and reliability for various applications.

## Possible operations:

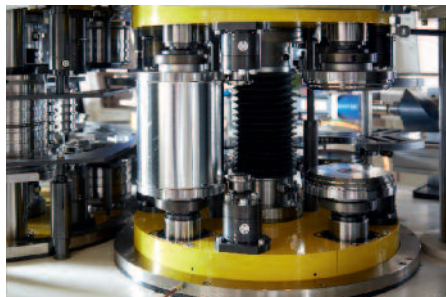
- necking
- flanging
- beading
- guard beeding
- curling
- seaming







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The latest development is the new series of CF 4xx, Perfectly designed to combine a wide working range of up to 200 mm diameter, quick change-overs of height and diameter and a remarkable production speed of up to 300 cpm.

## Typical applications

- large milk powder cans
- large paint cans
- beer kegs
- all kinds of general line cans

One of the main advantages of the LANICO CF machines is the use of modular change parts thus allowing diameter changes to be undertaken within a short time (typically 60-90 minutes, depending on the machine type).

The pre-set change parts are mounted onto Hirth toothed levers with 0,005 mm accuracy, thus allowing to minimize further adjustments.



## ISSA

### (individual spindle speed adjustment)

The CF machines are not limited to a fixed relation of spindle rotation speed to carousel rotation due to the fact that the spindle speed can be individually set for each carousel. Just by entering the required spindle speed data into the RMS (receipt management system) or by individual input at the touch panel the rotation speed can be set exactly as per the requirements of the tinplate material and the decoration. This system allows individual settings for seaming and for the combined necking and flanging operations, in particular when handling laminated or lacquered hard material.

## RMS 149

The recipe management system can be programmed to store the relevant data of up to 149 can types, such as height, output and spindle speed. When changing to another can type in the receipt memory, the system will automatically set the machine to the new parameter. The typical time for the complete parameter change is about 25 seconds.

## Touch Panel

On request the 4c panel can be programmed to display Chinese and Japanese characters in addition to the English text.

## Main characteristics:

(depending on the machine type)

- PLCControl
- BUS System for I/O's, safety and drives
- Recipe Management System
- Logical monitoring of all process cycles by sensors
- Frequency controlled spindle drive
- Individual spindle speed adjustment for each carousel
- Automatic integrated line speed adaptation
- Servomotors for main drive, destacking units and infeed spirals
- Touchpanel control
- Automatic star wheel adjustment during motorised height change
- Closed cam systems running in oil bath
- Pressure lubrication system
- Highly efficient noise protection housing (below 80 dbA) including ASI safety integration for the largely dimensioned sliding doors, windows from penetration resistant laminated glass, cooling fans to discharge the process heat, illumination




Change parts with Hirth-toothings allowing extremely short change-over

A detailed close-up photograph of industrial machinery, likely a part of a manufacturing or testing process. The image features several polished, cylindrical metal components, including what appears to be a large piston or plunger on the left and a smaller, more complex assembly in the center. A coiled metal spring is visible, connecting different parts of the mechanism. The background is blurred, showing more of the machine's structure. In the top right corner, there is a magenta rectangular box containing the word "LANICO" in white, bold, sans-serif capital letters.

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	unit	CF 380	CF 381	CF 384	CF
	cpm	160 <sup>a)</sup> - 240	160 <sup>a)</sup> - 240	200 <sup>a)</sup> - 320	200 <sup>a)</sup> -
	mm	45 - 116	45 - 116	45 - 73	45 -
	mm	(45) 70 - 320	(45) 70 - 320	(45) 70 - 320	(45) 70
function carousels		3	4	3	
working spindles per carousel		3	3	4	
flanging (roller)		○	○	○	
flanging (spin)		○	○	○	
flanging (die)		○	○	○	
flanging + necking		○	○	○	
beading		○	○	○	
curling		○	○	○	
seaming bottom/top		○	○	○	
express change parts/diameter		○	○	○	
motorized height change		●	●	●	
ISSA individual spindle speed adjustment		●	●	●	
RMS recipe management system		●	●	●	
extended end-feeder		○	○	○	
noise + safety protection housing		●	●	●	
circulating oil lubrication system		●	●	●	
Siemens/Vipa PLC		●	●	●	
B & R Panel-PLC		○	○	○	
touch panel 9"		●	●	●	
touch panel 10.4"		○	○	○	
servo drive technology		○	○	○	
remote maintenance via Ethernet		○	○	○	

## Legend

● standard supply

○ available

○ optional

○ not available

385	CF 388	CF 389	CF 393	CF 394	CF 411	CF 412
320	240 <sup>a)</sup> - 500	240 <sup>a)</sup> - 500	80 <sup>a)</sup> - 120	80 <sup>a)</sup> - 120	150 <sup>a)</sup> - 300	150 <sup>a)</sup> - 300
73	45 - 108	45 - 108	90 - 170	90 - 170	73 - 200	73 - 200
- 320	(45) 70 - 320	(45) 70 - 320	(45) 70 - 320	(45) 70 - 320	70 - 320	70 - 320
4	3	4	2	3	3	4
4	6	6	2	2	4	4
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
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●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
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●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	○	○	●	●	○	○
○	●	●	○	○	●	●
●	○	○	●	●	○	○
○	●	●	○	○	●	●
○	●	●	○	○	●	●
○	○	○	○	○	○	○
○	○	○	○	○	○	○

#### Remark

a) lower speed range on request

# LANICO



Since our foundation in the year 1919 LANICO continues to produce machines for the can making and canning industry and has become one of the leaders in the field of general line, aerosol and rectangular can making equipment. Today LANICO holds a major market share for combined necking -, flanging

and seaming machines especially for the production of 3-piece aerosol cans. To achieve the future technological and quality requirements of our customers, LANICO has successfully installed a quality management system according to DIN EN 9001:2008 by Lloyd`s Register.

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