

**CREMER**

Counting and packaging systems

# CFS-622 Counting & filling system

The next generation bottle filling systems for solids

Cremer's ambition to remain your leading partner in offering both standardised as well as fully customised counting and packaging solutions has led to a range of the fastest and most efficient bottle filling systems for solid dose products.

The CFS is the answer to the ever demanding need of the pharmaceutical industry for increased productivity, efficiency and smaller floor space. Filling up to 200 bottles per minute, the CFS-622 easily increases the output of any conventional bottle filling line.

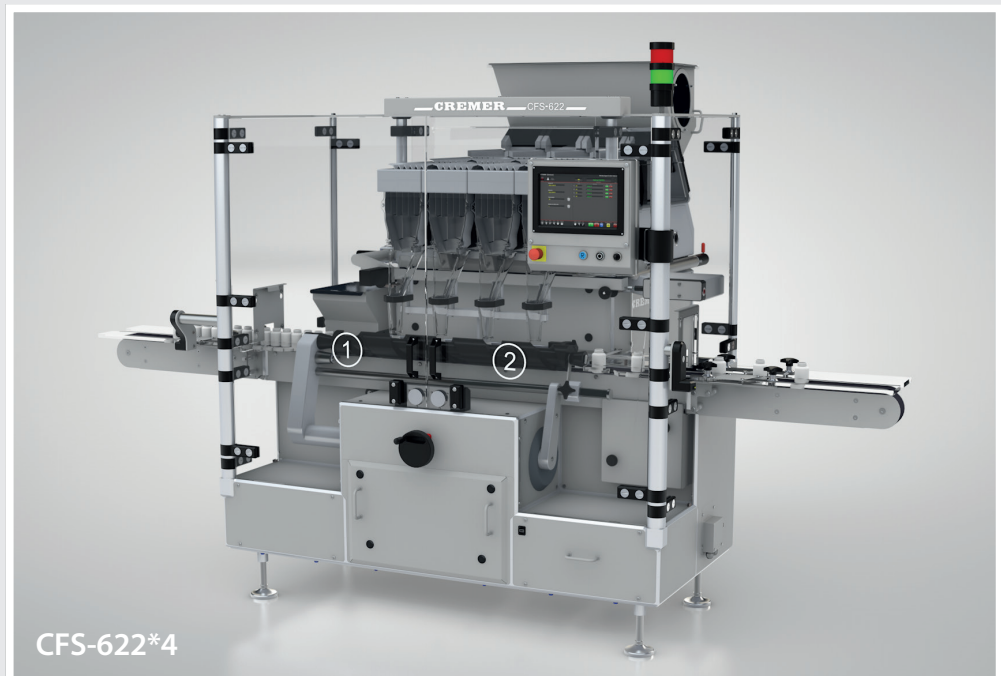
## Flexibility

The CFS-622 can accommodate up to four counting modules, depending on the required output.

Because of its small footprint it can be seamlessly integrated into any new or existing bottle packaging line.

With only a few change parts the CFS is able to count almost any kind of tablet or capsule and fill almost any kind of plastic or glass bottle; round, oval and rectangular.

Its GMP-compliant design allows good accessibility and guarantees complete operating safety.



## Speed and accuracy



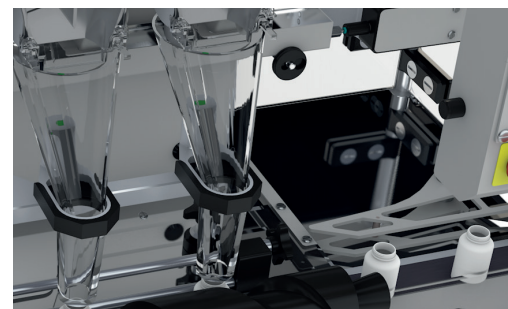
The servo driven feed screw and 'dipping' filling nozzles provide fast and accurate transportation and filling of almost any kind of bottle.

## High flexibility



Easy to install counting modules for high flexibility. Configure the counting and filling system to your specific needs.

## Reliability



The reliable bottle reject mechanism guarantees that only correctly filled bottles are passed onto the outfeed conveyor.



## Standard features

- *Central product hopper*
- *Servo driven feed screw and 'dipping' filling nozzles*
- *Bottle reject mechanism*
- *Touch sensitive HMI control panel*
- *Fully transparent enclosure*
- *Bottle transport verification sensors*

## Additional benefits

- *Multiple counting modules according to output needs*
- *Filling up to 200 bottles per minute*
- *100% counting accuracy*
- *GMP compliant modular design*
- *Small footprint*
- *Easy to clean, low maintenance*
- *Fast and tool-free changeover*
- *Very easy to operate*
- *21CFR part 11 compliant*
- *Easy integration into existing packaging lines*

## Optional features

- *Central dust extraction*
- *Air blow ioniser for static electricity elimination*
- *Product eject system*
- *Bottle 'upside down' verification*
- *Vision system or camera connection*



### Dust extraction



One central dust extraction point for easy and efficient dust extraction.

### Static elimination



The air-blow ioniser eliminates static electricity to prevent dust and product adhesion to the detection and discharge channels.

### Easy to operate



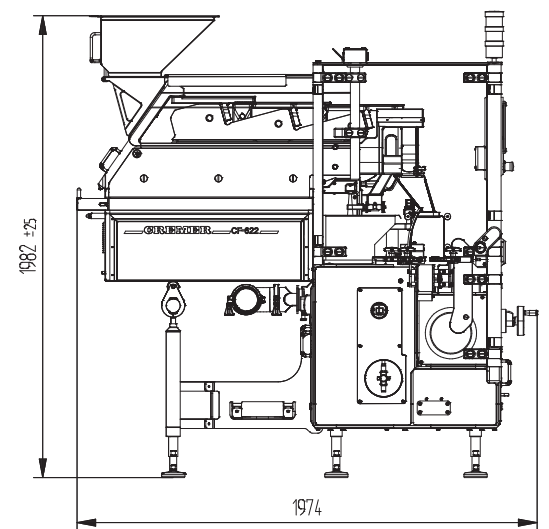
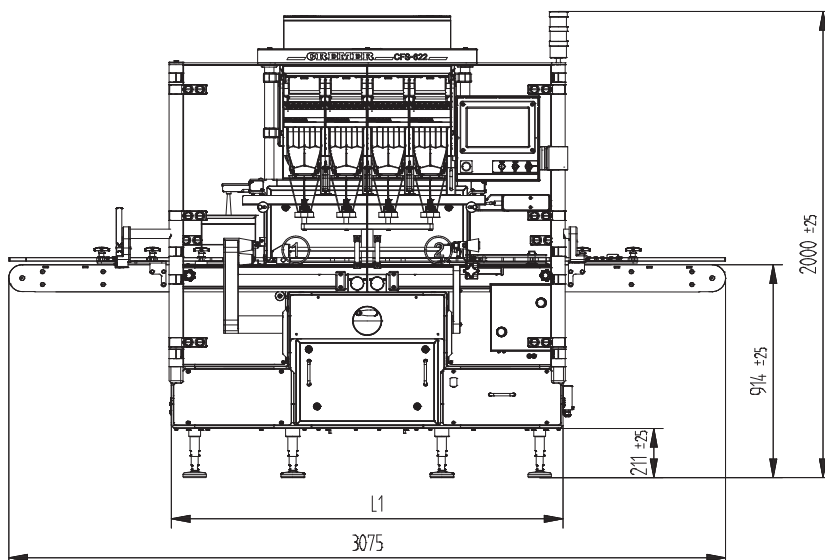
Touch sensitive HMI with intuitive user interface for easy control of the entire machine.



## Technical data

### CFS-622\*4

<b>Configuration</b>	Counting modules	4
<b>Output</b>	Bottles / min (on average 100 count)	150
	Bottles / min (on average <60 count)	200
<b>Bottles</b>	Shape	Round, oval, square, rectangular
	Material	Glass, Plastic (HDPE, PETE)
	Height	35 - 200 mm (1.37 - 7.9")
	Diameter / width	20 - 125 mm (0.8 - 4.9")
<b>Solids</b>	Type	Tablets (coated and uncoated) , capsules, gelcaps
	Length	3 - 30 mm (0.12 - 1.18")
	Diameter / width	3 - 20 mm (0.12 - 0.79")
<b>Electrical supply</b>	Input voltage	400 / 480 / 600 Vac
	Electrical connection	3 Phase + PE
	Max. power consumption	6000 VA
<b>Air supply</b>	Compressed air supply	6 - 8 Bar (87 - 116 psi)
	Max. air consumption	10 NI/min.
<b>Machine dimensions</b>	L1	1680 mm (5.51)
	Weight (approx.)	1560 kg (3440 lb)



# CF-622 Counting module

The new standard in counting tablets and capsules

The innovative and patented CF-622 counting module is the result of extensive engineering and development. Its slim and modular design allows for a variable number of counting modules to be placed into the CFS-622 counting and filling system to meet the precise performance requirements and output.

Servo driven product dosing and vibratory plates provide fast and consistent product flow with very few settings. Six product separator flaps and two additional discharge flaps, all servo controlled, give the 6-channel counting module its unprecedented speed of up to 45 discharges per minute on a count of 100 products.

## 100% accuracy

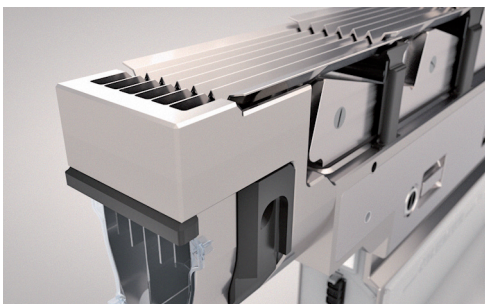
The CF-622 counting module is easy to clean and generally does not require any change parts for different tablet or capsule sizes. Because of its GMP-compliant and modular design, removal of the product contact parts requires no tools, no specific skills and should take no longer than 1 or 2 minutes to perform.

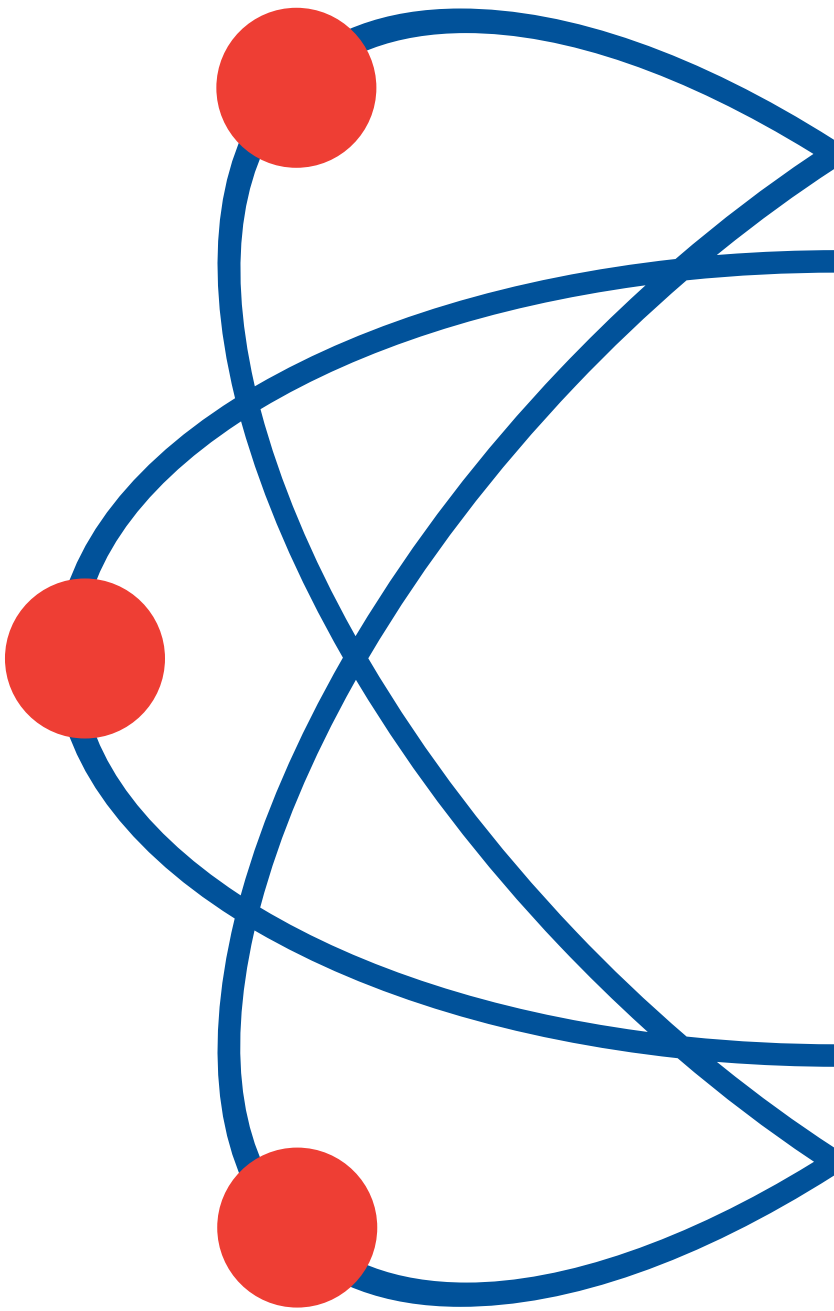
All product contact parts are made from food and pharma grade materials and are suitable for autoclave cleaning. Optional cleaning trolleys can be used for convenient cleaning and storage of the product contact parts.



## Standard features

- *Servo controlled product dosing slider*
- *Maintenance free vibratory plate servo drives*
- *Infra-red product detection*
- *Servo controlled separator and discharge flaps*
- *GMP compliant design*
- *Up to 45 discharges per minute on a 100 count*
- *Easy to clean*
- *Low noise emission*





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