Cremer’s ambition to remain your leading partner in offering both standard as well as fully customised high-end counting and packaging solutions, has led to a new range of the fastest and most efficient bottle filling systems for tablets and capsules.

The CFS-622 is the long anticipated answer to the ever demanding need of the pharmaceutical industry for increased productivity, efficiency and smaller floor space. Filling up to 150 bottles per minute, the CFS-622 easily increases the output of any conventional bottle filling line by 150%.

The CFS-622 can accommodate one, two or three 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 or rectangular. Its GMP-compliant design allows quick and easy cleaning while the fully transparent enclosure allows good accessibility and guarantees complete operating safety.

The servo driven feed screw and ‘dipping’ filling nozzles provides fast and accurate transportation and filling of almost any kind of bottle.

### Counting & filling system

<table>
<thead>
<tr>
<th>Technical data</th>
<th>CFS-622*1</th>
<th>CFS-622*2</th>
<th>CFS-622*3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>Counting modules</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Output</td>
<td>Bottles/min (on 100 count)</td>
<td>60</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>Bottles/min (&lt; 60 count)</td>
<td>90</td>
<td>108</td>
</tr>
<tr>
<td>Bottles</td>
<td>Shape</td>
<td>Round, oval, rectangular</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Material</td>
<td>Glass, Plastic (HDPE, PETE)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Length</td>
<td>40 - 250 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Diameter / width</td>
<td>20 - 125 mm (round)</td>
<td></td>
</tr>
<tr>
<td>Solids</td>
<td>Type</td>
<td>Tablets (coated and uncoated), capsules, gelcaps</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Length</td>
<td>3 - 28 mm (rectangular)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Diameter / width</td>
<td>3 - 20 mm (oval)</td>
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</tr>
<tr>
<td>Electrical supply</td>
<td>Voltage</td>
<td>400 / 480 / 600 V/Hz</td>
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</tr>
<tr>
<td></td>
<td>Connection</td>
<td>3 Phase + PE</td>
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</tr>
<tr>
<td></td>
<td>Max. power consumption</td>
<td>1500 VA, 2500 VA, 3500 VA</td>
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</tr>
<tr>
<td>Air supply</td>
<td>Compressed air supply</td>
<td>5 - 8 Bar (min - max)</td>
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<tr>
<td></td>
<td>Max. air consumption</td>
<td>2400 Nl/min</td>
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</tr>
<tr>
<td>Machine dimension</td>
<td>L</td>
<td>3076 mm (max)</td>
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</tr>
<tr>
<td></td>
<td>W</td>
<td>1896 mm (max)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H1</td>
<td>900 ±70 mm (max)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H2</td>
<td>1972 ±70 mm (max)</td>
<td></td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>900 kg (max)</td>
<td>1,060 kg (max)</td>
<td>1,220 kg (max)</td>
</tr>
</tbody>
</table>

### Optional features

- Bottle transport verification sensors
- Central dust extraction
- Ioniser to eliminate static electricity
- Product eject system

### Standard features

- Central product hopper
- Servo driven feed screw and ‘dipping’ filling nozzles
- Bottle reject mechanism
- TouchScreen control panel
- Fully transparent enclosure

### Additional benefits

- Flexibility up to three counting modules
- Filling up to 150 bottles per minute
- 100% counting accuracy
- GMP-compliant modular design
- Small footprint
- Easy to clean
- Fast change-over with just a few change parts
- Very easy to operate
- 21CFR part 11 compliant

The air-blow ioniser eliminates static electricity to prevent dust and product adhesion to the detection and discharge channels. All functions of the CFS-622 are controlled and monitored by the user friendly TouchScreen panel with intuitive user interface.

### Dust extraction

- One central dust extraction point for optimal dust extraction

### Static elimination

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

### 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.

### Easy to operate

- All functions of the CFS-622 are controlled and monitored by the user friendly TouchScreen panel with intuitive user interface.

### Additional benefits

- Flexibility up to three counting modules
- Filling up to 150 bottles per minute
- 100% counting accuracy
- GMP-compliant modular design
- Small footprint
- Easy to clean
- Fast change-over with just a few change parts
- Very easy to operate
- 21CFR part 11 compliant
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 meet the precise performance requirements of your counting and filling system.

Servo driven product dosing and vibratory plates provide fast and consistent product flow with only few settings. Six product separator flaps and two additional discharge flaps, all servo controlled, give the CF-622 its unprecedented speed of up to 45 discharges per minute on an average 100-count.

The CF-622 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 tool free contact parts for cleaning requires no specific skills and should take no longer than 1 or 2 minutes to perform. The product contact parts are all made out of food grade materials and are suitable for autoclave cleaning. Optional cleaning trolleys can be used for convenient contact part cleaning and storage.

**Standard features**

- Servo controlled product dosing slider
- Maintenance free vibratory plate drive
- 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

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