

KRONES Checkmat 707 F-X

Checkmat 707 F-X is a modular system for fill level inspection of bottles, jars and cans. The use of optimally-dosed x-rays enables a high level of accuracy for fill level inspection, regardless of the product. The Checkmat 707 F-X was designed as a full protection device according to DIN 54113. The x-ray source is harmless when used in accordance with the radiation protection regulations,

and it is automatically shut off upon a machine stop. The measuring bridge can be installed after the capper or in front of the labeller.



Measuring bridge for fill level inspection with the x-ray system, and closure inspection



*Checkmat 707 F-X:
Operating panel with LC terminal*

System Advantages:

- No maintenance
- Easy integration into existing lines
- Modular design allows for extensions at any time
- Inspection system and bottling line from one supplier
- Connection to production data acquisition system (BDE) or line documentation system (LDS) possible

Model	F-X	FE-X
Inspection for fill level/underfill	●	●
Label inspection	–	●
LC display	●	●
Cap inspection	▲	▲
Overfill inspection	▲	▲
Motorised height adjustment unit	▲	▲
● Standard	▲ Option	– Not possible

Standard Equipment:

- Display of all counter readings
- Plain text display in German, English, French, Spanish, Italian and Portuguese, other languages available as an option
- Type selector switch (32 types)
- System self-diagnostics
- Machine stop upon recurrent and consecutive faults; type/number can be set
- Statistics with plain text display
- Discharge system controller
- Automatic emitter shut-off
- Max. machine output: 72,000 cph

Optional Equipment:

- Filling head monitoring for underfill and overfill, capping head monitoring, broken bottle detection, air content rejection, service rejection (maximum of 5 inspection inputs, 16 types, up to 30,000 cph)
- Inspection for present label via sensor
- Malfunction indication with an acoustic or optical signal
- Printer with printer software (production data acquisition or printer)
- Container rejection at the labeler via retaining or clamping starwheel, and at the discharge conveyor via Flexipush, Directpush, Smartpush, Segmentpush, or linear rejection unit
- Back-up switches on the rejection conveyor automatically initiate a machine stop upon back-up
- Collecting container
- Automatic height adjustment for easy type change-over

Our Checkmat 731 (DART technology) provides a higher machine speed and versatile system expansion. You can find more detailed information on this topic in our brochure “KRONES Checkmat Fill Level and Cap Inspection – Filling System Management”.



The machine guard of the Checkmat 707 F-X with x-ray measuring technology complies with the DIN EN 294.