

IBC 150: THE LINE FOR FREQUENT AND FAST CHANGEOVERS

Bottle infeed

Guided, intermittent-motion transport using a rake system, no micro-stops or ramp-up phases

Cremer tablet counting and feeding system

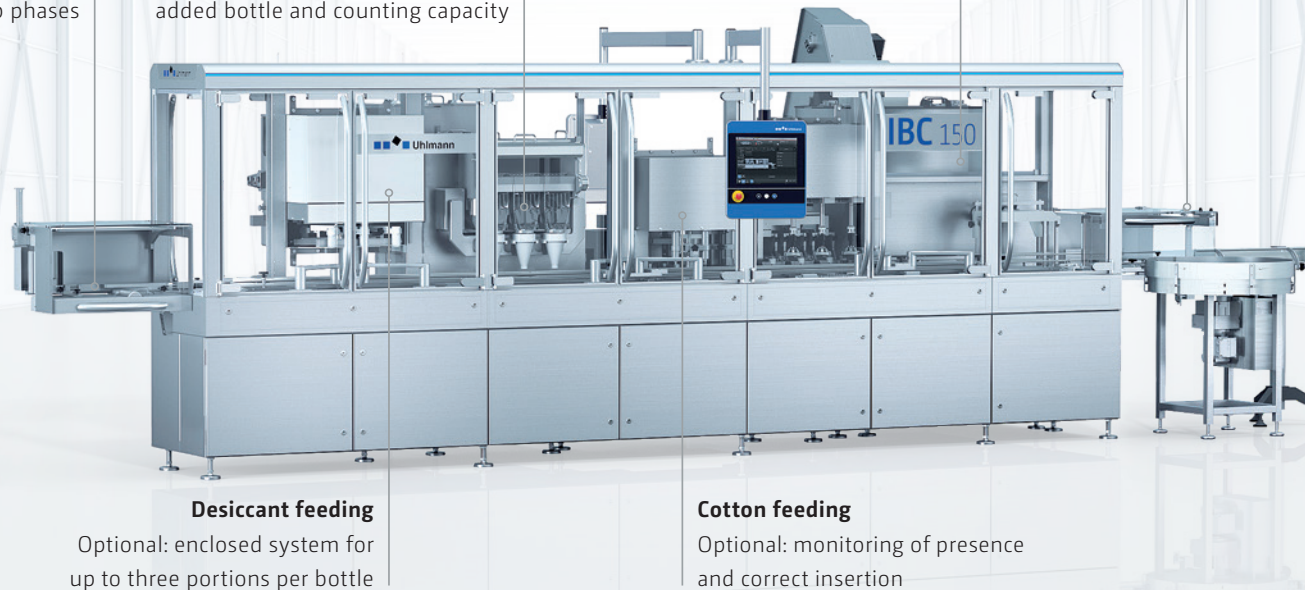
Up to four counting modules for added bottle and counting capacity

Capping system

Scalable performance with up to three capping heads

Bottle discharge

Controlled transfer of marketable bottles only



Desiccant feeding

Optional: enclosed system for up to three portions per bottle

Cotton feeding

Optional: monitoring of presence and correct insertion

PROFITABLE PACKAGING OF VARYING SOLID DOSE BATCHES IN BOTTLES

The Uhlmann IBC 150 offers flexible efficiency for the packaging of small to medium-sized batches of solid dose products in bottles. Extensively automated, integrated, and centrally controlled via a touchscreen using the SmartControl operating system, the monobloc line is on average 20 percent more productive than solutions comprising separate components. Measuring around five metres, it is also half the length.

- Changeover to a different bottle diameter in just six minutes
- Handling of round, rectangular and oval bottles
- Servo-regulated capping system with torque monitoring for all standard types of caps
- Few format parts and fast format changeovers
- Optional modular extensions: e.g. desiccant canister or sachet feeder, checkweigher, tablet inspection system and cotton feeder
- Integrated Cremer high-speed counting modules

Output data of the IBC 150 at a glance:

Max. output	150 bottles/min
Max. counting speed	24,000 products/min
Bottle volume	30–1,500 ml
Bottle height	45–200 mm
Bottle diameter	25–125 mm

SOLUTIONS BEYOND PACKAGING. ADDED VALUE FOR YOUR PROCESSES. WITH MACHINES, SERVICES AND DIGITAL SOLUTIONS.



**MAXIMUM EFFECT:
ACCURATE SINGLE TABLET
REJECT FUNCTION**

**CLEVER TRAINING,
CLEVER EMPLOYEES:
TRAINING PLUS**

Specific elimination of damaged tablets at the beginning of the process instead of removing full bottles at the end? And at high production speed? The optional single tablet reject function (patent pending) for the Bottle line IBC 150 reduces waste to a minimum. The tablets undergo inspection while on the vibratory plate of the counting system. Identified damaged products are carefully and systematically ejected.

The objective of TrainingPlus is to upskill your personnel so they can competently handle your Uhlmann machines and lines. We use hands-on training to progressively train your employees over a longer period. Individual instruction schedules and freely combinable modules – operation, maintenance, format changeovers, electrics/electronics and administration – form the basis. Training takes place at our Cremer head office in Lisse, so your production remains uninterrupted. A certificate documents successful completion.



**ADDED PROCESS
TRANSPARENCY: LINE
AND SITE MANAGEMENT**

**SOLIDS IN BOTTLES: A
PRODUCTIVE AND RELIABLE
END-TO-END PROCESS**

The relevance of consistently collected, displayed, and analysed key performance indicators is increasing in the context of Industry 4.0 automation. Our line and site management systems ensure transparency throughout the entire packaging process and identify potential for added productivity. You obtain figures (KPI, OEE) at the touch of a button: for consistent analysis in compliance with CFR 21 Part 11 and for optimised processes, e.g. using an Uhlmann single PDA system or SCADA.

Integrated, pharmaceutically compliant primary and secondary packaging from the bottle to the pallet – we configure the ideal packaging line according to your specifications. Downstream of the Bottle line IBC 150 follows the GMP-compliant Labeler L 180. Next in line are optimally coordinated cartoners and end-of-line packaging machines. Furthermore, we also integrate Track & Trace solutions – either inline, incorporating customised printing and inspection systems, or using the Uhlmann Serialisation Platform USP.