BEC 700
HIGH OUTPUT AND FLEXIBILITY PERFECTLY COMBINED.
Anyone wishing to achieve top performance must focus passionately on a goal. True to this maxim, Uhlmann has concentrated for over 65 years on highly efficient packaging systems for the pharmaceutical industry – and that alone. Not only does an Uhlmann embody outstanding technology, but also amalgamated knowledge of the needs and market requirements of the pharmaceutical sector. Outcome is the assurance of having a partner at your side who fully understands all aspects of your business. And who masters the pharmaceutical processes along the entire value-added chain like no other. Our leading position worldwide is largely due to one factor: the trust customers place in the excellence of our personnel. They have a special way of thinking and acting holistically in pharmaceutical dimensions. Strong, open-minded, reliable.

This difference is unmistakable. In more than 80 countries. On every day, on which machines and services made by Uhlmann help you to secure the crucial competitive edge in your markets.

AN UHLMANN IS UNMISTAKABLE.

SPECIALIZED IN PHARMACEUTICAL PACKAGING, IT ALSO PROVIDES DISTINCTIVE ADDED VALUE DAY IN, DAY OUT.
CAN A BLISTER LINE OUTPERFORM MARKET NEEDS?

Why should it? Quite simply. Because high uptime, fast format changeovers, and straightforward operation are not always enough. Because the time interval between order placement and supply is steadily being reduced, yet the quality must be one hundred percent. And because higher output in the same time means lower costs – and opens up additional scope.

Therefore, we have enhanced our proven BEC line concept. And added another dimension to the positive features: three-lane operation. For up to 700 blisters and 500 cartons per minute. The new BEC 700.
BEC 700.
THE TOP PERFORMER WITH ADDED OUTPUT.

Packaging formats and batch sizes specific to regions and target groups are preparing increasingly shorter, highly efficient production cycles. No wonder. The compact BEC 700 is the answer to both. The top performer, incorporating a blister and a cartoner module, is the successor to the proven BIC blister line concept. And, with its three-lane operator, packages up to 300 blisters per minute.

The easy-to-operate.
- Intuitive operation and straightforward, guided format changeovers with the SmartControl operating system
- Fast and easy line clearance
- Tool-free format changeover in 30 minutes on account of few format parts
- Automated format adjustment on the cartoner module; leaflet folder easily pulled forward for good accessibility

The uncompromising.
- Full output capacity with all types of forming materials, solid dose products, cartons, and pack inserts
- Process reliability as direct blister transfer to the cartoner module
- Top forming and sealing quality as consistent processing times irrespective of the number of cycles

The forward-looking.
- Tailor-made configuration incorporating blister and cartoner module at your choice
- Modular design enables e.g., end-of-line packaging machines or printing and inspection systems, possible at any time
- Integration of Track & Trace by Uhlmann for comprehensive pharmaceutical reliability

The most productive.
- Packages different batch sizes efficiently and reliably
- Integrated line with compact footprint approximately 10 meters in length
- Maximum output 700 blisters and 300/500 cartons per minute

The top performer.
- Fast module change with all types of forming materials, solid dose products, cartons, and pack inserts
- Tool-free format changeover in 30 minutes on account of few format parts
- Automated format adjustment on the cartoner module; leaflet folder easily pulled forward for good accessibility
TOUCH & TEACH.
LINE COMMAND WITH SMARTCONTROL.

Uhlmann radically simplified the operation of packaging lines with the introduction of SmartControl. The convenient and functional SmartControl user interface leads the operator through processes using production assistants. The assistants guarantee step-by-step execution of standardized procedures: for example, fast and optimum implementation of a product changeover. Two SmartControl panels as well as an optional mobile tablet on the BEC 700 allow the operation of all stations from different positions. This reduces walking distances and lends the entire process greater transparency.

3D Visualization
SmartControl visualizes the stations in a spatial dimension. Operating elements are directly assigned to their function. Consequently, variously qualified personnel only require a short familiarization period to acquaint themselves with the line.

Everything at a Glance
The intuitive operation of the BEC 700 via two SmartControl panels simplifies monitoring and operation of the whole line. Each mounted on an adjustable support arm, the panels can be positioned for every section of the line.
READY TO MEET EVERY DEMAND.

CONFIGURABLE AS REQUIRED – AND ALWAYS IDEALLY SYNCHRONIZED.

Blister machine, product feeder, and cartoner – these three modules are linked to form a perfect unit in every BEC 700. To ensure that this unit suits your products, blister and carton formats, as well as forming and lid materials just as perfectly, you have the choice: three feeders for reliable filling efficiency, two sealing principles, and two output categories for the cartoner module. No matter which configuration you favor: the three merge into one – a productive packaging process.

The Right Feeder

Perfectly aligned to the product from the very first process step: in addition to the SimTap feeder (photo left), two optional feeding systems – depending on the sealing principle – are available for seamless integration into the BEC 700: the vibratory feeder and the brush box feeder.

Vibratory feeder

This feeder comprises just a few format parts and is particularly suited to the fast and cost-effective feeding of tablets and capsules of simple geometry. It is easy to clean and requires no tools for a format changeover. The vibratory feeder can be used with rotary sealing as well as with PVC and aluminum forming materials.

Brush box feeder

This feeder dispenses with the need for format parts specific to the product form, which makes it extremely versatile: for numerous product shapes and all thermo-forming materials. It also scores with low product-related follow-up costs. All parts that come into contact with the product can be quickly replaced and cleaned.

SimTap feeder

SimTap stands for “simultaneous tablet placement”. For the direct and simultaneous placement of solid dose products in the blister pockets, whether simple or complex tablet geometry, or whether single or multiphase preparations. The SimTap feeder is suitable for PVC as well as aluminium forming materials and for both sealing principles.

Blister module

A Key element of the BEC 700 is the compact blister module with three-lane operation for the high-speed packaging of batches for various target groups. With rotary sealing for all types of forming material, or platen sealing for special forming materials as well as peel or peel-push blisters.

Cartoner module

The continuous motion cartoner module is designed for a maximum of 300 or 500 cartons per minute. The maximum carton size is 105 x 105 x 155 mm or 80 x 90 x 155 mm. Adjustment at the touch of a button to new blister and carton formats is straightforward and reliable.
THREE LANES OFFER MORE.

LONG-TERM PROFITABLE PACKAGING – WITH PROCESS RELIABILITY AND HIGH SPEED.

Maximum output per square meter of production area: the Blister line BEC 700 sets a new standard in the favorably priced, flexible packaging of different solid dose products. However, 40 percent higher output compared to the BEC 500 is not without good reason. The gain of three-lane operation reaches its full potential because we have ideally coordinated all components of the blister module and focused on top performance. From the forming material reel support for up to 110,000 blisters, to the heating and forming station with a maximum speed of 80 cycles, to the embossing, perforating, and punching station with lightweight, easy-to-replace tools.
PERFECT BLISTERS, WHICHEVER WAY.

TWO OPTIONS: CONTINUOUS MOTION ROTARY SEALING OR INTERMITTENT MOTION PLATEN SEALING.

The BEC 700 is ideally equipped for different jobs with two alternative sealing principles. Rotary sealing processes all types of forming materials. The large-diameter roller is particularly suitable for aluminum pockets up to 29 mm in length and for standard blisters with round tablets or capsules. The horizontal web transport with intermittent motion platen sealing is the right choice for large aluminum pockets and calendar packs. For outstanding blister quality, whichever way.

Rotary sealing
The servo-regulated rotary sealing with line knurling has a cooled index roller. This minimizes web shrinkage and ensures optimum, gentle sealing. A quick-release lock allows easy replacement of the index roller. A compensating pendulum checks the web length and monitors its position during threading. The roller can be swung open for easy access and is automatically lifted when the machine stops. Optional lid material preheating allows the processing of peel-push materials.

Platen sealing
The principle of platen sealing with pyramid-shaped knurling is ideal for the processing of special lid materials as well as peel or peel-push blisters. To ensure top reproducible quality, the sealing time is constant irrespective of the number of cycles. The servo-regulated station is easily accessible so replacement of the lightweight format parts is completed quickly. Laser monitoring of the blister pockets ensures accurate positioning in the sealing tool. A compensating pendulum checks the web length and guarantees accurate threading of the web.
DETAILS THAT GIVE YOU A LEADING EDGE.

THERE IS MORE TO THE LINE THAN MEETS THE EYE.

Fast processing of all materials.
The BEC 700 attains consistent forming and sealing quality when processing either thermoforming or aluminum materials of differing rigidity at uniform speed. All the feeding systems – SimTap, vibratory, or brush box – allow optimum capacity utilization with maximum filling efficiency.

Top performance in 24/7 production.
All the modules and components are geared to mechanically demanding, continuous output. The BEC 700 is suitable for a wide spectrum of blister dimensions and the stated maximum output qualifies it for 24/7 production.

Accelerated and 100 percent reliable format changeover.
Tool-free format changeovers involving few, lightweight, and low-ground format parts are easily completed by the operator in 30 minutes. Adjustment at the touch of a button to new blister and carton formats ensures 100 percent reliability. One-off input of product-related format data with the integrated batch-management function. Data is then directly available at all control panels of the line.

Everything revolves around quality.
Uniform forming time for reproducible forming processes. Top forming and sealing quality as consistent processing times irrespective of the number of cycles.

Maximum process reliability.
Direct, integrated blister transfer to the cartoner module. Guided removal and separation of partially filled blisters and waste. Permanent monitoring of all parameters relevant to the process. Retrieval of performance indicators and analyses, such as OEE, at the touch of a button.

Fast, reliable, and straightforward line clearance.
Smooth surfaces for optimum cleaning. The cantilever design offers good visibility and easy accessibility from the operating side for reliable line clearance.
Best-in-class partner for pharmaceutical packaging. Uhlmann addresses this challenge day in, day out, all over the world. In every area, and from every viewpoint. After all, as far as maximum productivity is concerned, you cannot be too discerning. As a market leader in pharmaceutical packaging, Uhlmann does its utmost to meet the market demands of maximum efficiency in the packaging process – along the entire value-added chain and over the full life cycle. That is why Uhlmann offers machines and lines that have set standards in the sector for generations.

However, our pledge, 360° PHARMA PACKAGING, does not stop there. It includes an extensive range of competent services that secure maximum uptime and efficient production in the long term. Based on the foresight of a reliable partner, initiator, and adviser.

BE DISCERNING – 360° PHARMA PACKAGING.

EVERY MACHINE THAT LEAVES OUR PRODUCTION HALLS EMBODIES AN UNRIVALED PLEDGE.
WE SHOW UP WHEN NEEDED.

AROUND THE CLOCK, AROUND THE WORLD: DISCOVER UHLMANN CUSTOMER SERVICES.
CLEAR FACTS. OBVIOUS BENEFITS.

THE TECHNICAL DATA OF THE BEC 700.