

## *Blister Express Center 500*

### The innovative combination of maximum flexibility and high performance in one line.

#### ***The new all-rounder for the tasks of today and tomorrow***

The Blister Express Center 500, referred to as BEC 500, is the answer to the question how solids in batches of between 30,000 and 150,000 blisters can be packaged efficiently. Attaining an output of 500 packages/minute, the BEC 500 is the world's fastest single-lane blister line with consistently integrated processes and a continuous mode of operation. The effective combination of maximum flexibility and high performance in one line makes it unique among pharmaceutical packaging machinery.

The line comprises the Blister machine B 1550 and the high-speed Cartoner C 2504 or C 2305. GMP-compliant machine design, innovative design features, intelligent components and sophisticated, reliable process steps make the BEC 500 a packaging line that sets standards in pharmaceutical packaging.

#### ***The innovations and special features for the highest standard of flexibility and performance:***

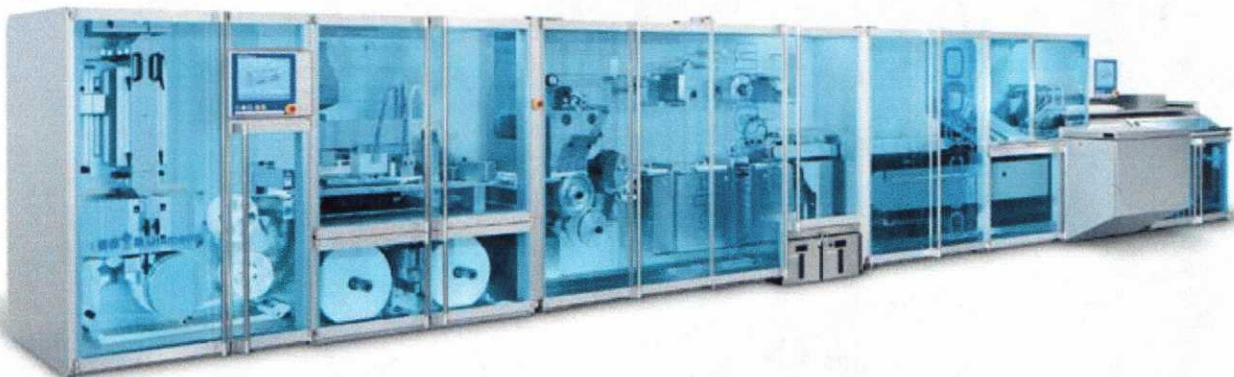
The **pivoted sealing roller** allows sealing in two positions and thus guarantees the ideal processing of rigid blisters and large-sized aluminum pockets.

Thanks to the **integrated splicer**, a new reel of forming material can be fitted during machine operation.

Only good blisters are forwarded to the cartoner module. Faulty blisters are punched with a special contour that rules out further processing. In addition, only 100% correctly filled cartons are released by the cartoner. This is the **"good product" philosophy** of the BEC 500.

The blister machine, feeding systems and cartoner as well as all the inspection and coding systems are integrated in the **overall concept**. The format-free transfer of the blisters to the cartoner is direct. All peripheral systems can be integrated in the Touch-Control operating system of the BEC 500.

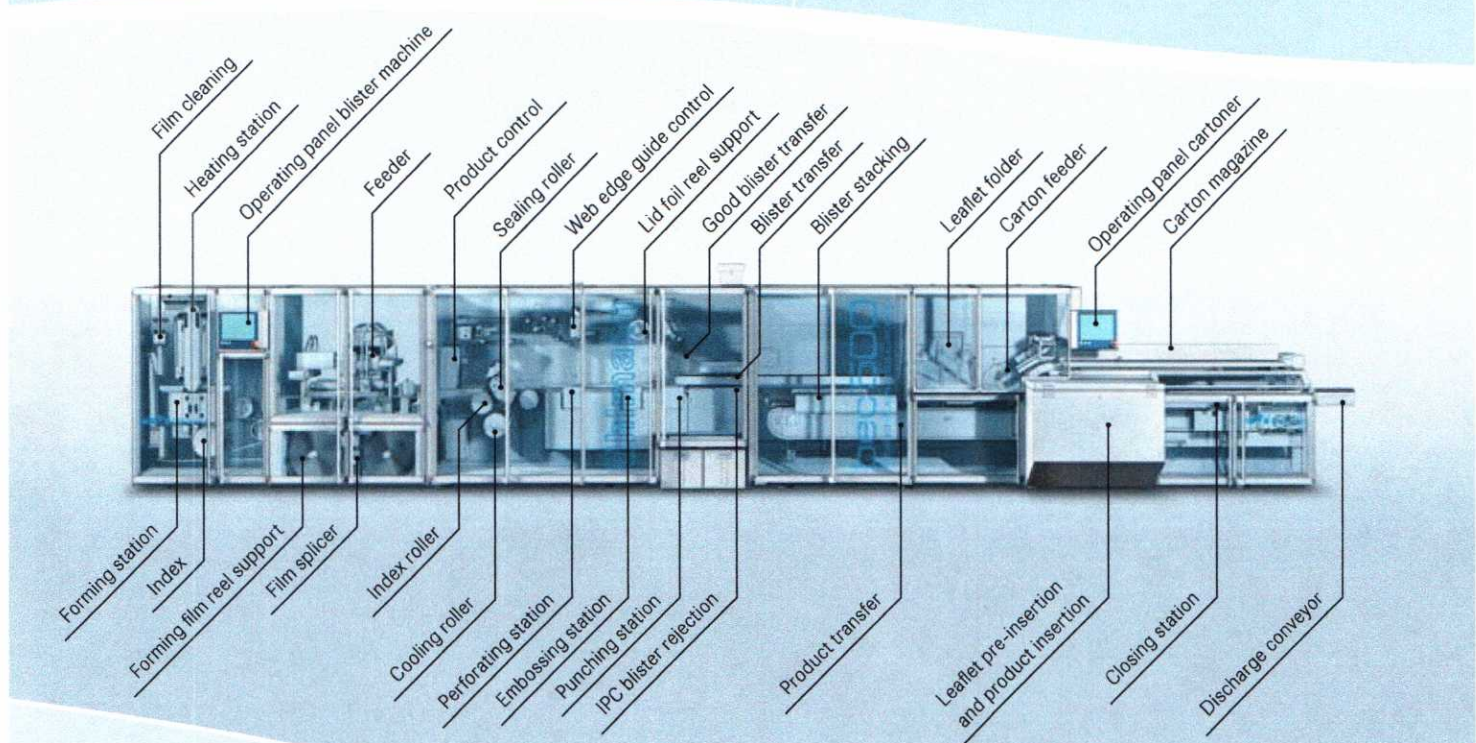
The **single-lane operating mode** reduces the format parts to a minimum. Adjustments to the BEC 500 are carried out automatically at the touch of a button. This saves changeover time, minimizes sources of error and guarantees maximum process reliability.



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### The Blister Express Center at a glance. Technical specifications:

Output [1/min]	500 packages		
<b>Blister machine:</b>		<b>Cartoner:</b>	
Blister format [L x W in mm]	max. 100 x 150	Format area C 2504 [A x B x H in mm]	max. 80 x 90 x 155 at a speed of 500 cartons/min.
Forming depth	max. 12 mm (PVC), 10 mm (Al)	Format area C 2305 [A x B x H in mm]	max. 105 x 105 x 155 at a speed of 300 cartons/min.
Forming material width	76-164 mm		
Forming material reel diameter	500 - max. 1,000 mm	Available closing systems	tuck-in and hot-melt closure
Lid foil reel diameter	max. 400 mm		
Processable forming materials	laminated Al foils, PVC, PVC/PVDC, PVC/Aclar, PP, PS, PET	Available marking systems	laser printer, ink-jet, embossing
Processable lid foils	hard Al, soft Al, paper/Al, PP, Al with defined hardness, others on request		



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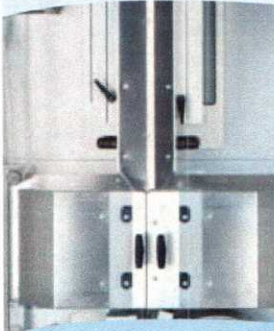
### Components and features of the Blister machine B 1550

- Two alternative forming material reel supports – also including an integrated forming material splicer
- Integrated heat exchanger that helps reduce air conditioning costs
- Film cleaning prior to the forming station using ionized air
- Waste air extraction ensures clean-room atmosphere
- Exact, progressive heating of the forming material over at least three forming cycles
- Integration of different feeding systems – for all common types of solid products
- Continuous, rotary sealing with a pivoted sealing roller for uniform sealing quality
- Floating embossing and perforating station – guarantee the continuous mode of operation
- Floating punching station – special punch contour for faulty blisters

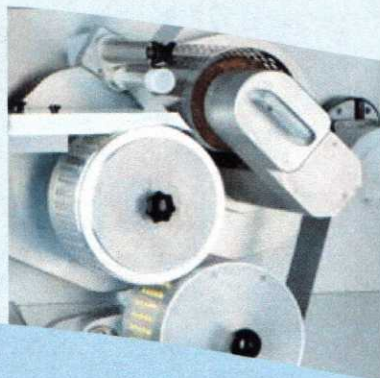
### Components and features of the Cartoner C 2504

- Separate vacuum systems for blister machine and cartoner ensure clean-room atmosphere
- Direct, continuous and gentle blister transfer without the need for format parts
- Automatic adjustment of all stations to new carton sizes
- Integration of all common leaflet folders
- Maintenance-free carton feeder – processes all carton qualities
- Tried and tested product loading system
- Integration of all common closing and coding systems

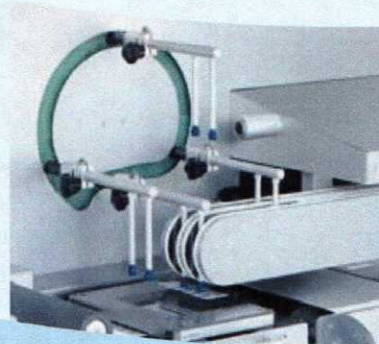
Heating and forming station



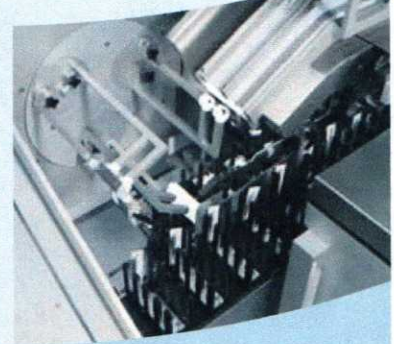
Sealing station



Punching station and blister transfer



Carton feeder



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Details are subject to change due to product development.

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