

Blister Express Center 500

**Integrated, flexible, efficient and straightforward:
the double-lane Blister Express Center 500.**

**The standard for pharmaceutically compliant blister quality,
outstanding process reliability, and highest productivity.**



Maximum flexibility and maximum efficiency in familiar Uhlmann quality: these are the obvious benefits of the new, double-lane, end-to-end system combining a blister and a cartoner module integrated to form a line less than 10 meters in length. The Blister Express Center 500 is exceptionally easy to operate, allows fast format changeovers, and processes up to 500 blisters and up to 500 cartons per minute. The initial outlay and running costs are low for maximum process reliability. In short, it is the ideal line for the economically efficient packaging of medium-sized batches of standard solid dose products using conventional forming materials.

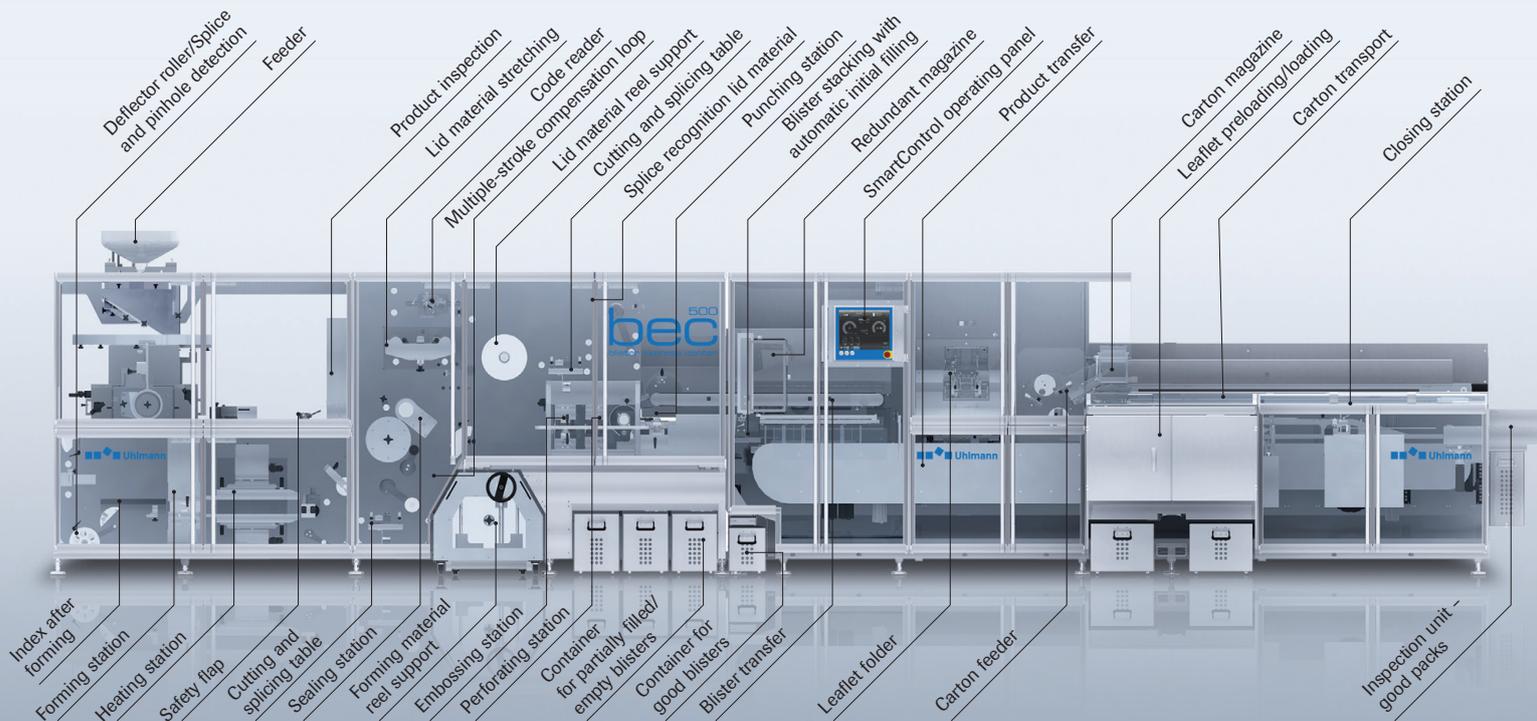
**Intuitively correct operation and
efficient production – with the
SmartControl operating system**



Blister Express Center 500

The Blister Express Center 500 at a glance

<i>The blister module</i>		<i>The cartoner module</i>	
Output [1/min]	max. 500 blisters	Output [1/min]	max. 250 or 500 cartons
Sealing principle	platen or rotary sealing	Scope of application	blisters
Mode of operation	double-lane	Carton size (A x B x H)	max. 105 x 105 x 155 or 80 x 90 x 155 mm
Scope of application	solid dose products	Pitch	5" or 4"
Format area		Number of blisters	max. 14
Index x width	max. 200 x 284 mm	Blister stack height	100 or 85 mm
Forming depth	max. 12 PVC, 11 mm Al	Types of closure	tuck-in or hot-melt
Forming material width	max. 300 mm		
Forming material reel diameter			
Forming material	600 mm		
Lid material	300 mm		
Processable forming materials	laminated Al foils, PVC, PVC/PVDC, PVC/Aclar, PP		
Processable lid materials	hard Al, soft Al, paper/Al, Al with defined hardness, others on request		



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Components and features of the blister module

- Forming material reels up to 600 mm in diameter; up to 800 mm with double support
- Optional trolley for cGMP-compliant forming material reel transportation and fast reel changeovers
- Format-free heating station with three heating zones for gentle heating of the forming material in stages
- Innovative, separately servo-regulated forming station – for consistently high, uniform blister quality irrespective of the number of cycles
- SimTap feeder for a broad range of product shapes from simple to complex
- Easy integration of other feeding systems for solid dose products
- Color camera system for product monitoring in the blister to check presence, shape, color and breakages
- Lid material reel support for reels up to 300 mm in diameter, lid material unwind function with defined pull
- Servo-regulated embossing, perforating and punching station with integrated waste shredder
- Continuous motion rotary sealing for all types of forming materials or intermittent motion platen sealing for special lid materials as well as for peel or peel-push blisters

Components and features of the cartoner module

- Blister transfer with very few format parts for direct, gentle handling; automatic adjustment to new blister and carton formats
- Low-noise leaflet folder for leaflets up to 60 mm wide; accessible for ergonomic filling from the operating side when pulled forward
- Maintenance-free carton magazine, adjustable in height, with patented carton erection system and straightforward, semi-automatic initial filling
- Tried and tested product loading function with automatic adjustment to different stack heights
- Processing of all standard forms of closure – tuck-in, hot-melt or with a fourth flap
- Good product philosophy – only 100 percent correctly filled cartons are passed on for downstream processing
- Seamless integration of laser or inkjet printers as well as inspection systems for the marking and verification of codes in accordance with applicable tracking and tracing legislation

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