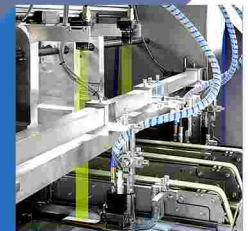


# BJD 1450-2800 IN POLE POSITION

 **TURBOX**  
SPECIALTY FOLDER GLUERS



# BJD 1450-2800 IN POLE POSITION



A portable remote control offers easy set-up assistance for the TURBOX operator.



BOXFLOW® CONTROL – intuitive touch screen monitors for machine operation.

BJD 1700: The TURBOX Specialty Folder Gluer, a machine of the next generation, will expand according to your needs.

## Any New Box ...

- **Shortest set-up time**
- **Maximum running speed**
- **Highest process reliability**
- **Innovative quality control**
- **Expandable modular layout**

### Modular Innovation

Separate servo drives enable modular design of the TURBOX folder gluer. With this the machine configuration is not fixed, but instead is ready to adapt to changing requirements. TURBOX can be retrofitted or rebuilt with additional modules at any time. We provide you, our customer, with the opportunity to configure TURBOX according to your demands.

Flexibility and quick set-up make TURBOX the logical choice if your business needs to constantly adapt to ever changing market conditions. Along with its reliability TURBOX is a safe investment for any of your future specialty box requirements.

The Bahmüller Boxflow®Packer is the perfect addition for the TURBOX. This enhances the enormous potential of the TURBOX and should not be omitted when batch building is required. Boxflow®Packer further enhances the value of your TURBOX.

### Set-up Advantage

The design concept of TURBOX is state-of-the-art. Thus it realizes a level of automation never achieved before. From the ACE-Feeder to the compression-conveyor all positioning motors are integrated in Boxflow®Control, reducing set-up times significantly.

Further features signaling the high level of automation on the TURBOX are the touch screen displays with graphic user interface, the modem connection and the integrated glue control system. Third party systems can be integrated at any time.

TURBOX features an open and accessible design concept with extremely low machine frames giving easy access to all individual modules. Set-up can be executed effortlessly and without obstacles. Replacing folding and transport belts is made possible without removal of the drive shafts. This ergonomic design highlights the high safety standards of TURBOX.

### Box Styles

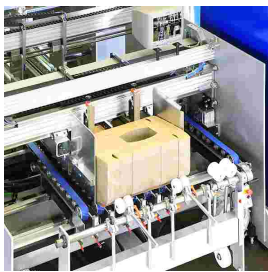
- Straight-line boxes
- Crash-lock boxes
- Crash-lock bottom with partition
- Partition boxes
- 4-corner boxes
- 4-corner boxes with lid
- 6-corner boxes outfold
- 6-corner boxes infold (Option)

#### Material

- Solid fibre board 250-1500 g/sqm
- A, B, C, E, F, G, EE, EB, BC Flute

The Boxflow®Packer provides for highest productivity: From fully automatic batch building and strapping of boxes to maximum production speeds of the TURBOX.

The result: Effective increase in performance due to high production speeds while minimizing direct labor requirements.



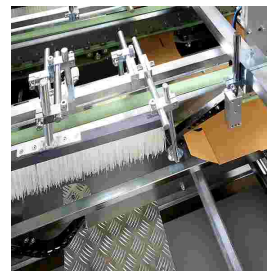
TURBOX ACE Feeder: Shown with split screen monitor for viewing of several machine modules.



Precise transfer of blanks from the servo-driven ACE-Feeder to the next unit.



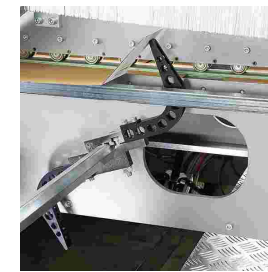
ACC-Unit supplemental cam alignment.



The servo-driven DYNAMIC-FOLD highlights TURBOX's abilities.



Folding specialties are what the TURBOX accelerates at.



Compact back-folding hooks enable minimizing the distance between blanks and maximizing output at relative low belt speed.



Video control of all machine segments provides safety and increased availability of the TURBOX.

## Boxflow®Control

Boxflow®Control acts as an interface between man and machine.

Data can be entered simply and easily on the touch screen display allowing all basic machine functions to be set.

A cordless radio controlled operating unit is available to control the main machine functions from any position. This facilitates operator adjustment considerably, further reducing set-up times.

An integral part of the control concepts is a diagnostic system. It records and processes information necessary for maintenance and servicing. Fault read-out and fault diagnostics are stored automatically in the main computer.

Of course, TURBOX is equipped with a modem for remote diagnostic. This provides a direct link to our service team.

As a result service visits are precisely targeted making them more efficient and cost effective. Optionally, all production and machine data can be easily transferred into most any business and manufacturing systems (ERP/MRP).

## TURBOX Quick Set System

With Boxflow®Control logic, machine positioning is calculated automatically after entering a few blank data. This means adjustments are made automatically and can be exactly reproduced. This ensures high product quality and efficient use of available machine time.

Optimized adjustments from any customer order are stored and can be precisely reproduced.

From a management point of view this reduces the operator's work load, leaving him free to concentrate fully on machine optimization and product quality.

With TURBOX optimized production speeds are reached faster with less waste resulting in considerable reductions of your manufacturing costs.

## Touch Screen Interface

A touch screen display with a graphic user interface offers fast and trouble-free operation of the TURBOX.

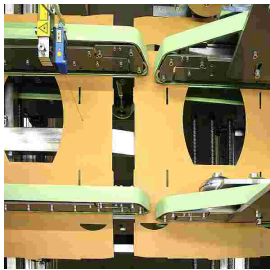
With Boxflow®Control key blank dimensions for variable designs as well as for specialty boxes can be entered and stored directly on the display. Exact machine settings are automatically calculated. This applies even to complex box layouts, such as 4- or 6-corner boxes including automatic positioning of the servo-driven back folding hooks.

The integrated glue control unit calculates all glue positions automatically, thus eliminating double data entry to further reduce of set-up times.

All optimized data is stored in the main computer upon completion of the job.

## Total Quality

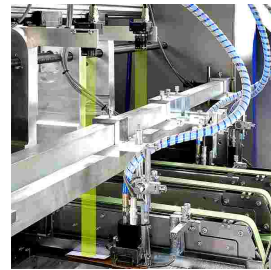
Different control systems can be integrated in various modules of TURBOX machine control, i.e. glue application control and code reading systems.



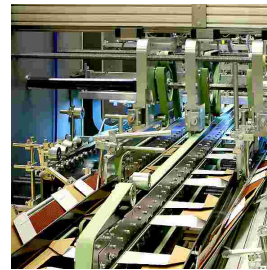
Laser-guided jam detection optimizing machine functionality as well as providing precise blank count and processing of production related data.



Fully integrated adhesive system complete with glue-line inspection system.



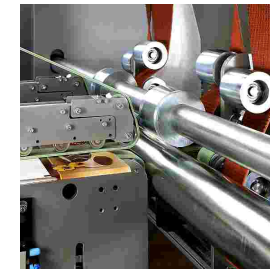
BOXFLOW® VISION is the new computerized quality control system of TURBOX.



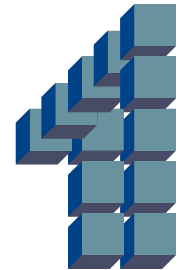
The extra-long FINALBOX FOLD featuring Supergrip-Folding Belts ensure precision folding.



Movable top folding belts for specialty folding boxes.



Servo drive controlled vertical adjustment of pressing rollers.



TURBOX – convincing Start-Finish Victory from the pole position.

## Technical Data

### TURBOX Model

**BJD 1450**  
**BJD 1700**  
**BJD 2100**  
**BJD 2300**  
**BJD 2800**

**Blank Sizes  
 [mm / inch]  
 max.**

**min.**

**Power  
 Supply  
 kW**

**Machine  
 Speed  
 [m/ft/min]**

**Weight  
 [kg/lb]**

**Footprint  
 L x W  
 [m/ft]**

## Products / Boxes

1450 x 1300 57 x 51.1	320 x 100 12.6 x 4	50	250 820 ft/min	13 100 28 900	13.2 x 2.8 43.3 x 9.2 ft
1700 x 1300 66.9 x 51.1	380 x 160 15 x 6.3	50	250 820	13 500 29 800	13.2 x 3.1 43.3 x 10.2
2100 x 1300 74.8 x 51.1	380 x 160 15 x 6.3	50	250 820	16 350 36 000	14.2 x 3.4 46.6 x 11.2
2300 x 1300 82.6 x 51.1	380 x 160 15 x 6.3	50	250 820	16 700 36 800	14.2 x 3.7 46.6 x 12.1
2800 x 1300 110 x 51.1	510 x 160 20.1 x 6.3	50	200 (250) 650 (820)	17 650 38 910	14.8 x 4.2 48.6 x 13.2

- Straight-line boxes
- Crash-lock boxes
- Crash-lock bottom with partition
- Partition boxes
- 4-corner boxes
- 4-corner boxes with lid
- 6-corner boxes outfold
- 6-corner boxes infold (Option)

## Compression Conveyor Model

**TCC 1000**  
**TCC 1200**  
**TCC 1500**  
**TCC 1750**

**Press Section  
 [W x L, mm/in]**

**Footprint  
 [L x W, m/ft]**

**Weight  
 [kg/lb]**

1000 x 5400 39.3 x 212.6	7.9 x 2.0 25.9 x 6.6	3750 8300 lb
1200 x 6000 47.2 x 236	8.6 x 2.2 28.2 x 7.2	5200 12 000
1500 x 6000 59 x 236	8.6 x 2.5 28.2 x 8.2	6000 13 500
1750 x 6000 68.9 x 236	8.6 x 2.7 28.2 x 8.8	7000 15 500

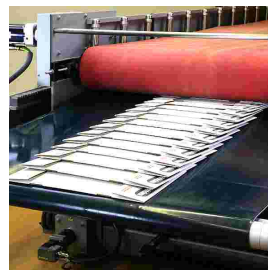
- Solid fibre board 250-1500 g/sqm
- A, B, C, E, F, G, EE, EB, BC Flute



Light gate technology is an integral part of our safety concept and complies with high-level safety standards of various safety organizations, such as Germany's GS certification.



Boxes are precisely aligned prior to entering the servo-controlled compression conveyor.



An even and precisely overlapping box stream is fed into the BOXFLOW® PACKER.

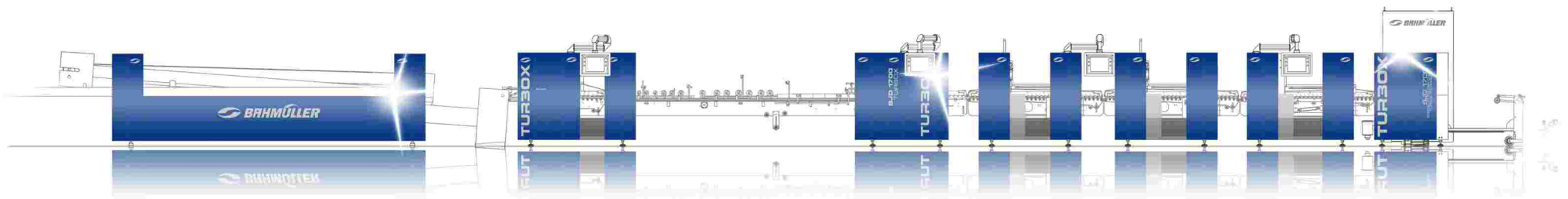


The Hallmark of the TURBOX TCC is an extra long compression section and the precisely formed overlapping box stream.

We are offering an individual solution tailored to your requirements, including special considerations and tailor-made equipment to perfectly match your box manufacturing needs.

All BAHMÜLLER systems for board converting meet or exceed the safety rules of the machinery directive of the European Community and carry the CE-emblem.

BAHMÜLLER operates a policy of continuous product improvement and reserves the right to change design and specification at any time.



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