

# ELIMINATING BOTTLENECKS



BANDED 4  
CORNER BOX STACK

THE BAHMÜLLER  
POWERPACKER COMBINES  
COUNTING, SEPARATING,  
STACKING AND STRAPPING  
IN ONE PROCESS  
FOLLOWING THE SPECIALTY  
FOLDER-GLUER.

Ten years ago corrugated box plants worldwide were faced with ever-increasing demands for high efficiency and output performance. Bahmüller, based in the 'packaging valley' near Stuttgart, Germany, launched the fully servo-driven specialty folder-gluer Turbox to meet this challenge. In only one decade more than 70 machines were sold all over the world.

This success was repeated by the Bahmüller Powerpacker. This development was inspired by customers recognizing that manual take-off and successive strapping procedures created a bottleneck in the process chain, never mind limiting the output potential

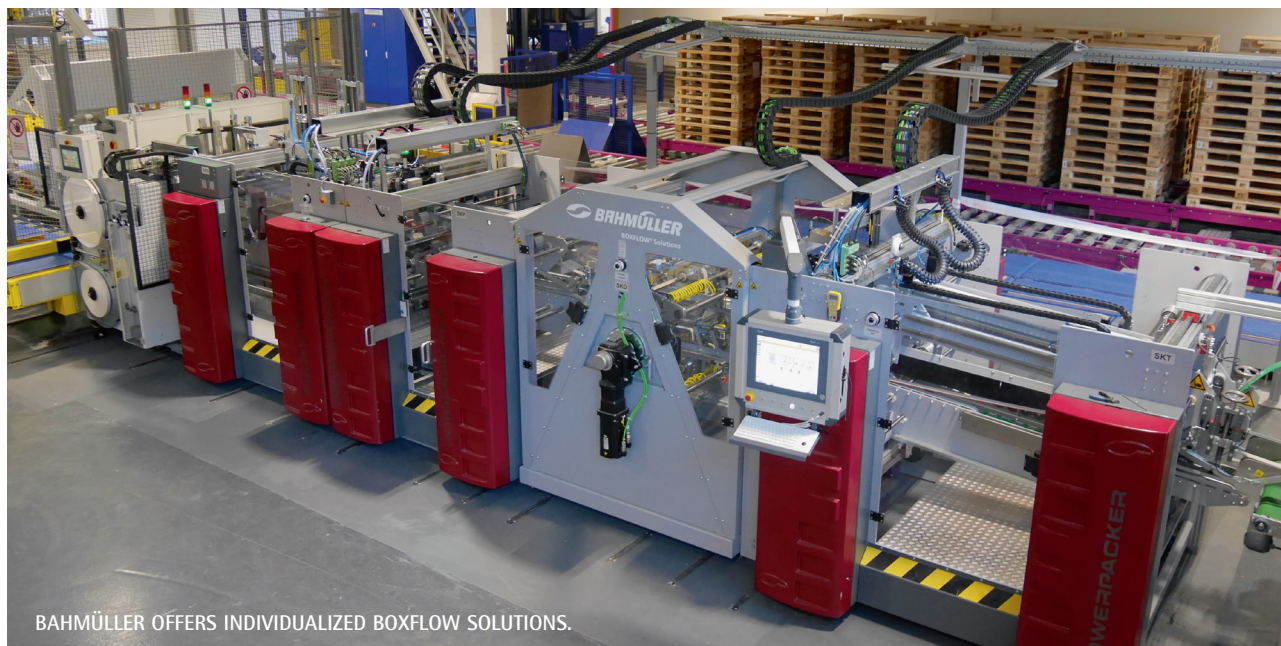
of the Turbox. After several customer workshops and an intensive market study, the development of an automated counting, stacking and strapping system started in 2010 and the first Bahmüller Powerpacker II was delivered and installed in 2012 in Germany.

The Powerpacker is a packing solution that combines counting, separating, stacking and strapping in one process following the specialty folder-gluer. It can handle different box types like straight line, 4 corner, 6 corner or special shelf ready packaging boxes and displays. Furthermore, the integrated inverting device guarantees even and equal stacking of crash-lock box bundles.



THE TURBOX SERVO DRIVEN  
SPECIALTY FOLDER-GLUER

BAHMÜLLER  
PLÜDERHAUSEN, GERMANY  
[WWW.BAHMUELLER.DE](http://WWW.BAHMUELLER.DE)



BAHMÜLLER OFFERS INDIVIDUALIZED BOXFLOW SOLUTIONS.

This solution eliminates the bottleneck at the back end of each high efficient specialty folder-gluer, like the Bahmüller Turbox, making it possible to tap into the full output performance of these gluers. Additionally, the accurately stacked and strapped bundles can be directly transferred to an automated robotic palletizing system. In this combination the entire production line can be run by two operators.

Like the Turbox, the mechanical design of the Powerpacker is based to handle light and heavy weight single and doublewall board qualities.

### Automated and Zero Defect

Following 14 delivered and successfully installed Powerpackers in 2014 Bahmüller addressed additional customer requests. Especially for high graphic printed and litho laminated boxes, standard strapping proved to be less than acceptable. The narrow straps damaged the surface of the upper and lower boxes in the bundle. The solution was the Swiss made ATS Tanner banding machine, which was proven in the

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market already. It was the logical step to start the cooperation between the two companies.

In 2015 the first Powerpacker with a fully integrated ATS banding solution was delivered and installed. Many others have followed. This solution provides an opportunity for box plants to guarantee zero defect delivered boxes at high output rates. Accurate box count deliveries, elimination of waste, and significantly higher output performance place the typical ROI inside a 24-month period. These attributes, which created value within the supply chain, compelled members of the AICC, The Independent Packaging Association, to recognize the Powerpacker with the

integrated ATS banding system in AICC's Innovator of the Year Awards during SuperCorrExpo 2016.

### Retrofitable at Any Time

The Powerpacker by itself can be combined with existing specialty folder-gluers. For such an investment a detailed review of the existing product portfolio is highly recommended. The company's experienced application engineers are available to conduct such an analysis to successfully transform the project.

This close cooperation between the Bahmüller team on the one side and the customer's team on the other side created the success story of the Boxflow Solutions with currently more than 25 Powerpackers successfully operating in box plants throughout the world.

In summary, the Bahmüller Powerpacker with the integrated ATS bander assures the highest efficiency and output performance of a specialty folder-gluer line in addition to benefitting from lower labor costs and zero defect deliveries. ■