

## **Specialist for the corrugated cardboard industry: Mosca presents Universal Corrugated Bundler**

- **Cross-strapping now available for corrugated cardboard products**
- **Flexible strapping for complex products**
- **Automatic speed control for less wear**

**Waldbrunn, 15 August 2017 – Flexible, gentle strapping of complex products: The Universal Corrugated Bundler (UCB) is Mosca's first cross-strapping machine designed for the corrugated cardboard industry. The manually operated CE-compliant machine straps complex four- or six-point folding cartons. This is made possible by a product alignment on up to six sides. Comprehensive network communication as well as formula storage via touch panel round out the possibilities of the high-quality machine. Mosca introduced the UCB at this year's CCE and officially launched it on August 15.**

The Mosca UCB simplifies strapping of non-symmetric cartons and other complex products. Mosca developed the UCB specifically for complex four- or six-point folding cartons. The CE-compliant machine can be put into operation immediately without additional safety measures. The UCB straps folding carton stacks with polypropylene straps in widths ranging from 5 to 12 millimeters. The operator simply removes the folding cartons from the folding and gluing machine, places them crosswise, and feeds them into the UCB. The machine's conveyor system guides the stack inside and aligns it on five sides. The symmetrically movable alignment units position the product optimally to the central SoniXs ultrasonic sealing unit. An optional back pusher is available for even more precise six-sided alignment. After the product is fully aligned on the strapping level, the UCB automatically straps it and moves it forward out of the machine. Up to 32 single strapping or 20 double strapping cycles per minute are possible.

### **High availability, low maintenance**

Integrated into a corrugated cardboard production line, strapping machines like the UCB must operate with 100% reliability. "The UCB is often used directly behind a folding and gluing machine," explains Mosca Product Manager Andreas Ding. "The shingled stream runs continuously and a strapping machine failure inevitably leads to a production stop." The UCB

features include the patented SoniXs ultrasonic sealing unit to ensure maximum availability. In addition, the UCB uses electromechanical components with brushless DC drives to reduce wear. For maintenance work, the strapping unit can be easily removed using an electromechanical lifting station.

The automatic cycle rate adjustment (CRA) developed by Mosca also reduces wear on the machine. "CRA enables the UCB to match the strapping rate to the operator's and upstream system's pace. The customer can switch the feature on or off. When it is activated, a tool continuously calculates the throughput and regulates the UCB motors accordingly," Ding explains. If fewer folding cartons are produced, CRA switches the UCB into energy-saving mode. The machine can also be integrated into a fully automated line.

### **Easy operation and comprehensive networking**

The operator controls the UCB intuitively via touch panel. Package dimensions can be entered along with the strapping positions. The UCB adjusts smoothly to packages with a width of 120 to 1200 mm. Automatic strapping and machine configuration ensure maximum flexibility. Operators can also store preset formulas for frequently used products via touch panel or control desk and quickly retrieve them. The Remote Monitoring Interface (RMI) enables employees to retrieve and monitor the UCB and its current strapping program from practically any device, including smartphones.

As part of the machine's network capability, Mosca specialists remotely launch routine maintenance on the UCB and assess potential problems. This makes the UCB perfectly suited for Industry 4.0 operation.

### **Caption 1**

Mosca developed the UCB cross-strapping machine specifically for use in the corrugated cardboard industry.

### **Caption 2**

The UCB's conveyor system guides complex products such as four- and six-point folding cartons inside. Here, they are aligned for strapping on up to six sides.

### **About Mosca GmbH**

Mosca GmbH is a system supplier, developer and producer of high-quality strapping machines, strapping materials and safety systems for transporting goods for professional and industrial use. The machine portfolio ranges from universal devices with a wide range of applications, to fully automated high-performance machines that can be integrated into any higher-level automation line. Mosca produces strapping material out of PP, PET and PLA in one of the most modern sites

in Europe. Mosca's international distribution, service and consulting network enables global service for customers. The family company was founded in 1966 and is based in Waldbrunn between Heidelberg and Heilbronn, Germany. In 14 offices worldwide, Mosca employs around 900 employees. With continuous new developments, the strapping experts have maintained quality and technology leadership in the strapping sector for more than 50 years. Further information can be found at [www.mosca.com](http://www.mosca.com)

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