

## CHANNEL BALING PRESS APK E 55-1400

### OUR BALING PRESS AT THE CENTRAL WAREHOUSE OF REWE INTERNATIONAL AG

#### Optimal waste logistics in combination with cost-efficiency and sustainability

Austropressen and REWE International AG as part of the German corporate giant REWE Group share a long history of cooperation. In several central warehouses in Austria channel baling presses of the series APK have been used successfully for a number of years.

At the beginning of 2013 we were commissioned by REWE to plan and deliver a tailor-made solution for the waste management logistics of the new central warehouse in Ohlsdorf / Upper Austria. All surrounding markets of the group, including branches of Billa, Merkur, ADEG and BIPA are being supplied by this warehouse and the empty transport packaging is being returned to the site.

To cope with the high amount of returning packaging materials, REWE relies on the quality and reliability of our channel baling press APK-E55. Two pieces of these powerful machines ensure a failure-free and continuous processing of cardboard and plastic film. The materials are tilted onto the conveyor belt and then pressed fully automatically into compact bales.



The improved and even more efficient binding system Drillfix 2.0 works extremely wire-saving despite the fourfold vertical strapping. A perfectly dimensioned hydraulic system with automatic pump shutdown mode ensures high energy efficiency. Optimal waste logistics management is therefore perfectly combined with cost-efficiency and sustainability

The two channel baling presses at the site in Ohlsdorf were successfully put into operation in Oktober 2013.

## TECHNICAL DATA

Pressure: 550kN  
 Power: 45kW  
 Spec. pressure: 69,5N/cm<sup>2</sup>  
 Bale size: 750 x 1100 x400-1500 mm  
 Loading aperture: 1060 x 1400mm  
 Channel length: 2000mm

Loading volume: 1,40m<sup>3</sup>  
 Capacity: 320m<sup>3</sup>/hour  
 Hydraulic equipment: Rexroth  
 Display: Siemens OP-77B  
 Dimensions: ca. 8700 x 2100 x 3350mm  
 Weight: ca. 14.000kg

## Components



**Ideal designed knives with optimal cutting angles** and the **free press device** guarantee a failure-free and continuous operation.



**Energy efficiency** due to optimal designed hydraulic parts and automatic control with pump stop.



**Maximum safety** for the operating staff due to key transfer system for door supervision and personnel safety unit on the conveyor belt.



**Efficient binding system saves up to one meter of wire** for each binding.

## ON SITE



The packaging materials of all surrounding markets are returned to the warehouse.

The materials are separated by **paper and film**, put onto the conveyor belts and are processed in the channel baling presses.



With external consoles for **wire coils of 600kg** and a **fourfold vertical binding** the materials are automatically compacted into exactly stackable bales.



After the binding, the bales are pushed automatically through a gate to the outside of the plant, where they can be further transported by a forklift. All requirements are fulfilled and therefore an **optimal internal waste logistic management** is provided.

## BALE WEIGHTS

### Cardboard

Quality: packaging material B19



Bale size: ca. 1,1 x 0,75 x 1,2m

Bale weights: up to 550kg

With the channel baling press APK-E55 up to 8to/h of cardboard can be processed.  
(packaging material with a density of approx. 35kg/m<sup>3</sup>)

### Film

Packaging films are sorted by clean and mixed film



Bale size: ca. 1,1 x 0,75 x 1,2m

Bale weights: up to 400kg