

## CW 2200 BALE WRAPPER MEETS THE VERSATILE NEEDS OF WASTE INDUSTRY



Crosswrapped bales in storage and transportation.



Crosswrapped bales as a buffer and storage at Waste-to-Energy plant.



Crosswrapped bales at dry landfill minimize the odor, litter and pests.

## OPTIONS



### OPENING SAFETY FENCE

Easier maintenance and cleaning when fencing can be moved aside. Equipped with interlocked system and transparent impact glass.



### WEIGHING

Data can be monitored from a control panel and transferred to factory's control systems.



### LABELING

Labeling enables bale identification for storage and transport needs. Labeling may include wrapping date, material, bale weight, logo and QR-/barcode information.



### CLEANING CONVEYORS

Cleaning conveyors collect the dropping litter minimizing cleaning cost. High quality belt conveyors ensure easy maintenance.



### REMOTE CONTROL

Customizable remote control allows the operator to start and stop the machine and run the conveyors. This reduces workload, improves working safety and enables immediate actions, e.g. to stop the machine.



### FILM WATCH

Alerts the operator if the film breaks or runs out. Film watch makes the operation smooth and continuous.



## 500 MACHINES | 55 COUNTRIES

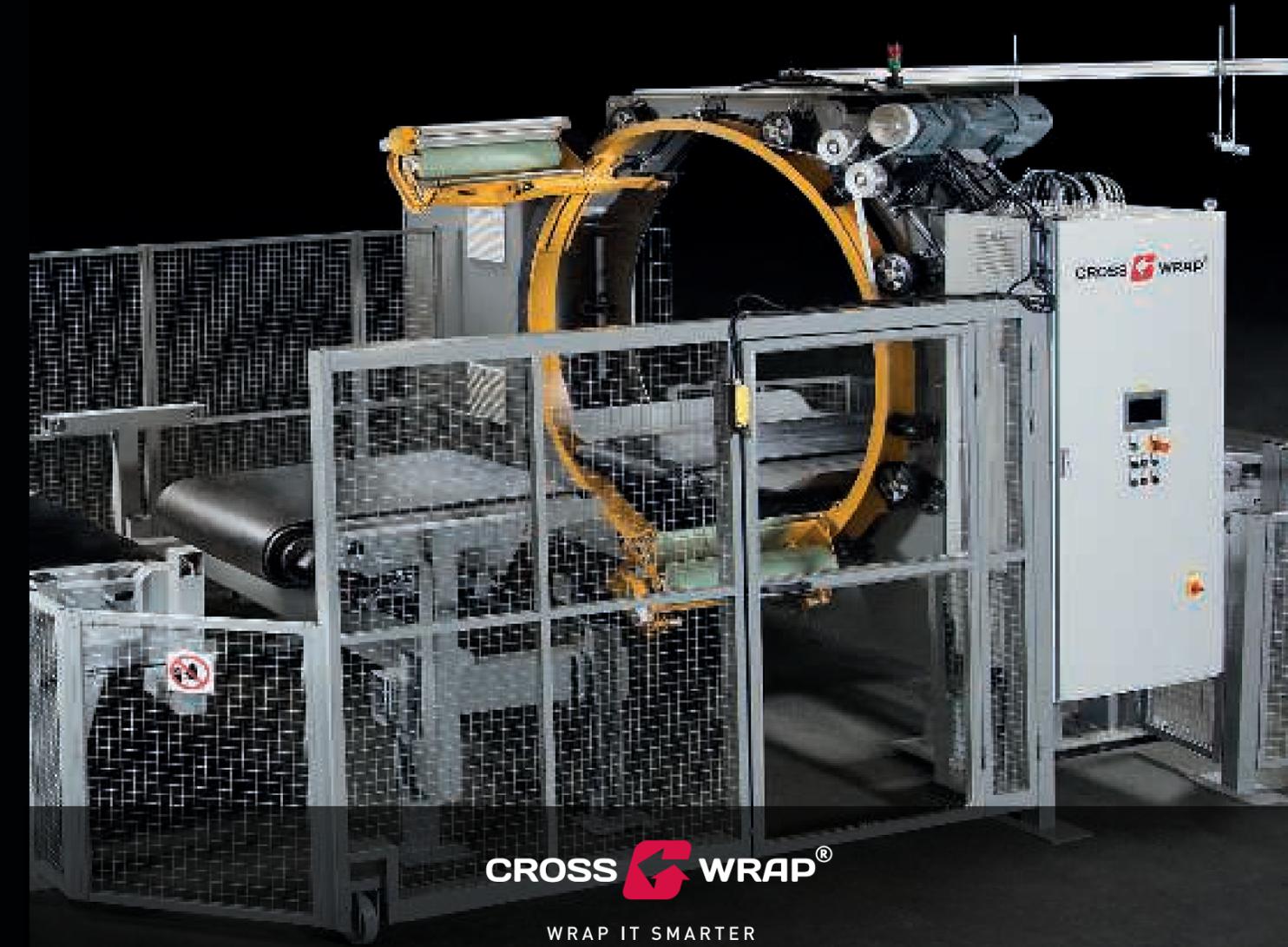
The Cross Wrap's product range meets safety requirements of the industry and the manufacturing process is supervised under the certified quality system ISO9001.

Cross Wrap Ltd. is the world leader in manufacturing automatic wrapping machines and bale openers for the waste industry, including RDF, SRF, MSW and recyclables. We also operate internationally in the wood products and other industries. 500 machines delivered to 55 countries – with more than 95.000.000 bales Cross Wrapped to date.

**CROSS WRAP**

WRAP IT SMARTER

## CW 2200 BALE WRAPPER BALE WRAPPED RIGHT



**CROSS WRAP**

WRAP IT SMARTER

# CW 2200 BALE WRAPPER

Cross Wrap's flagship product represents the long experience the company has from the waste industry.

The CW Bale Wrapper is reliable and adjustable with many options that offer the highest production rate and the lowest operational cost in the business.

This fully automatic machine is compatible with any baler and it suits all bale sizes and waste materials, such as RDF, SRF, MSW and recyclables.



**RELIABILITY** – CW reliability is based on high quality components, long experience and continuous R&D. This leads to smooth production and low maintenance cost.



**LOW OPERATING COST** – Thanks to the machine's customizable wrapping programs the film consumption can be optimized according to the wrapped material and the bale handling needs.



**SMOOTH BALE HANDLING** – Heavy duty belt conveyors with highly sophisticated wrapping program move the bales carefully. The bales stay unbroken minimizing the material loss and cleaning.



**FAST WRAPPING** – The CW Bale Wrapper wraps up to 80 tons per hour. Our economical wrappers are also available for smaller production volumes.



**FLEXIBILITY** – The design of the CW Bale Wrapper can be individualized according to the customer's capacity and bale size needs.

- 1 Front conveyor
- 2 Wrapping unit
- 3 Electric cabinet & Control panel
- 4 Hydraulic unit
- 5 Wrapping conveyor
- 6 Roll holders
- 7 Safety fence
- 8 Rotating table
- 9 Storage conveyor



**1 FRONT CONVEYOR**  
Hydraulically operated heavy duty belt conveyor minimizes material loss and reduces maintenance cost. It moves unwrapped bale smoothly and carefully. The amount and dimensions can vary according to bale size and production.

**2 WRAPPING UNIT**  
Wrapping unit has all the functions needed for automatic, efficient and clean crosswrapping process. The bale stays unbroken. Three wrapping programs optimize the film consumption according to different materials and other wrapping needs. CW Wrapper is capable to wrap also heavy and long bales and difficult materials.

**3 ELECTRIC CABINET + CONTROL PANEL**  
Space saving integrated electric cabinet is equipped with high-quality components and high-resolution touch screen – Daily operating and settings changing are user friendly.

Minimum protection class is IP 54, which may vary according to customer needs.

Machine is equipped with Siemens safety logic: reducing extra safety relays and maintenance cost.

Standard communication protocol is Profinet and customizations are made e.g. with Profibus. Flexible integration to factory systems is available as an option.

3G, LAN, WLAN modem allows troubleshooting and program updates to all programmable

components via internet. This includes remote controlling, modifying and monitoring. The modem connection minimizes production down times.

Web camera is available as an option.

Three different wrapping programs and pass by are available. Customer can adjust the amount of film layers according to the handling and transportation needs.

**4 HYDRAULIC UNIT**  
Hydraulically operated wrapping functions are reliable, efficient and easy to maintain. Well sealed cabinet has easy access, and it provides dust protection and noise reduction. Cabinet structure and component placing allow efficient cooling.

**5 WRAPPING CONVEYOR**  
Smooth start & stop feature ensures that the bale stays undamaged during the vertical wrapping. Customizable for different bale sizes.

**6 ROLL HOLDERS**  
The amount of roll holders 1-3 and three stretching options offer fast and economical wrapping. The amount of roll holders depend on production volume. Film roll change from floor level improves working safety.

**7 SAFETY FENCE**  
Safety fencing is equipped with interlocked system and transparent impact glass. CW safety fences fulfil the safety regulations and are included to the deliveries according to customer needs.

**8 ROTATING TABLE**  
Horizontal wrapping closes the bale, strengthens the bale sides and optimizes the film consumption to the right places. This ensures the bale is durable with lower film consumption.

**9 STORAGE CONVEYOR**  
Heavy duty belt conveyor keeps the wrapped bale untouched. Dimensions can vary according to the bale size and production volume.

Optional longer storage conveyor gives flexibility for production and turning table option is available for bigger volumes.

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