



CW BALE WRAPPING SOLUTIONS

CROSSWRAPPING - THE INDUSTRY STANDARD
CW2200 | CW2500 | CW DIRECT

CROSS  WRAP®



THE ORIGINAL CROSSWRAPPING

In the course of decades, Cross Wrap's patented wrapping method has become the industry standard. Our wrappers are specialized to wrap RDF, SRF and MSW materials, but they can also be used for biomaterials, textiles, and different types of reject. Cross Wrap bale wrappers are fully automatic and compatible with the most common industry-used bale sizes and production capacities. They offer an industry-leading 80-tonne-per-hour capacity.



SAFETY – Wrapped bale is airtight, preventing odors and other environmental pollutants, preserving the value of the material. Plastic wrapping keeps away moisture and prevents combustion during transportation and storage. Safe to stack in record high piles.



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.



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



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



RELIABILITY – Our reliability is based on high quality components, our long experience, and continuous R&D. When technical support is needed, our local service providers and Cross Wrap Life Cycle Service are there to help – face to face or online.



FLEXIBLE – The compact design of the CW wrapper can be individualized according to the customer's capacity, bale size and layout needs. Our modular solutions make sure that the equipment fits in different spaces. Take a look at our additions for bale wrappers too.

SAFE TRANSPORT AND STORAGE

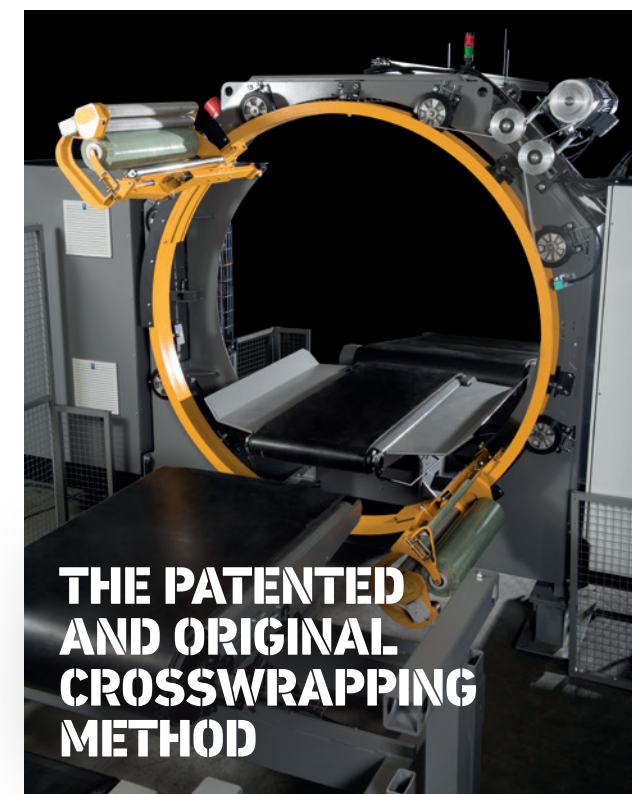
Crosswrapped square bales are dense and make sure your transportations is cost-effective, clean, and safe. Safety increases both in transportation and storage, because wrapped bales prevent fire hazards compared to loose material. The wrapping film is airtight, which makes outside storage possible. The CW wrapping method can help you reduce your carbon footprint in transportation and – if you choose our fully electric machine and use green electricity – in your wrapping line.

OUR MACHINES

We have three wrapper models available: the CW2200, CW2500 and CW Direct. The first two are available fully electric (eCW2200 and eCW2500). Electric models provide the same benefits as hydraulic ones, operating completely on electricity. The CW2200 and CW2500 are suitable for materials in a square bale shape aand compatible with any channel and twin-ram balers. The two differ only in size: the CW2500 is suitable for larger bales. The CW Direct is able to wrap bales straight out of the chamber of a twin-ram baler without the need for bale ties.

FLEXIBLE CUSTOMER SERVICE

CW Bale Wrappers provide long-lasting reliability. The machines are easy to maintain and come equipped with a Tosibox online modem that allows remote troubleshooting and software upgrades. This ensures that your machine always performs at its best. Our Life Cycle Service is available to assist you with spare parts, maintenance, and troubleshooting, both remotely and on site.



THE PATENTED AND ORIGINAL CROSSWRAPPING METHOD

OUR WRAPPERS IN PRACTICAL USE



Effective storing of crosswrapped bales.



Airtight bales don't attract pests in landfilling.



Our durable bales can be stacked in record high piles.



Clean operation line without litter.

Square-shaped bales are dense and fill the space effectively in storing and transportation, resulting in cost-effectiveness and reduced emissions from transportation.

CW2200 BALE WRAPPER

THE CW2500 BALE WRAPPER CORRESPONDS THE CW2200 IN GENERAL DESIGN

- 1 FRONT CONVEYOR**
The belt conveyor moves the unwrapped bale smoothly and carefully. The amount of conveyors and dimensions can vary according to bale size and production.
- 2 WRAPPING UNIT**
Wrapping unit has all the functions needed for an automatic, efficient and clean crosswrapping process. The bale stays unbroken. Three wrapping programs (+ bypass) optimize the film consumption according to different materials and other wrapping needs. CW Wrapper is also capable to wrap heavy and long bales and difficult materials.
- 3 ELECTRIC CABINET + CONTROL PANEL**
You can choose from three different wrapping programs (bypass program available as well). An online modem allows troubleshooting and program updates to all programmable components, as well as remote controlling. Web camera is available as an option.
- 4 WRAPPING CONVEYOR**
Smooth start & stop feature ensures that the bale stays undamaged during the vertical wrapping. Customizable for different bale sizes.
- 5 ROLL HOLDERS**
The two roll holders and three stretching options offer fast and economical wrapping. The amount of roll holders depends on production volume. Film roll change from floor level improves working safety.
- 6 SAFETY FENCE**
CW safety fences fulfill the safety regulations and are included in the deliveries according to customer needs.
- 7 ROTATING TABLE**
Horizontal wrapping closes the bale, strengthens the bale sides and optimizes the film consumption to the right places. The bale is durable with lower film consumption.
- 8 STORAGE CONVEYOR**
Conveyor keeps the wrapped bale untouched. Dimensions can vary according to the bale size and production volume. Optional longer storage conveyor provides flexibility for production. Turning table option is available for varying layouts.



CW DIRECT BALE WRAPPER

- 1

WRAPPING CHAMBER
Allows wrapping the bale without straps or wires when mounted to a twin-ram baler. Direct wrapping fastens the process, because there is no need for wires or ties. It also minimizes the need for cleaning.
- 2

WRAPPING UNIT
Wrapping unit has all the functions needed for automatic, efficient and clean crosswrapping process: The wrapping program optimizes the film consumption according to different materials and other wrapping needs.
- 3

FILM ROLL HOLDERS
Fast and economical wrapping with three film stretching options. The amount of roll holders depends on production volume. Third wrapping arm available as an option.
- 4

NET ROLL HOLDER (OPTIONAL)
Decrease the use of wrapping film with optional netting and create more durable bales. Using net in wrapping strengthens the bale and helps to keep them in better shape.
- 5

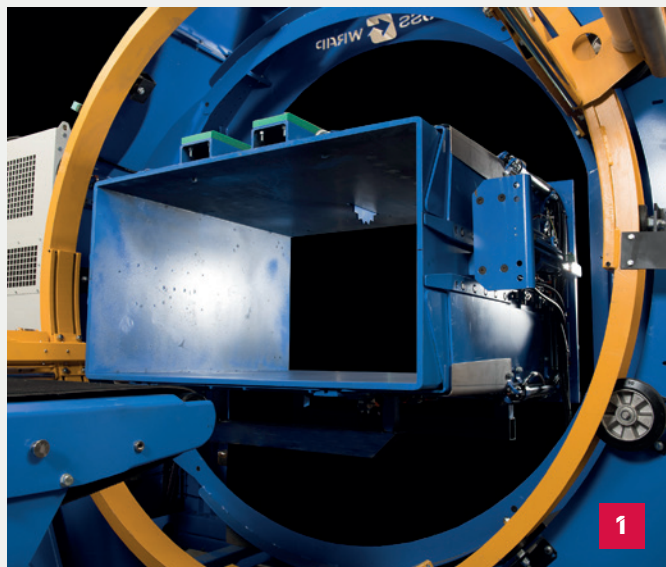
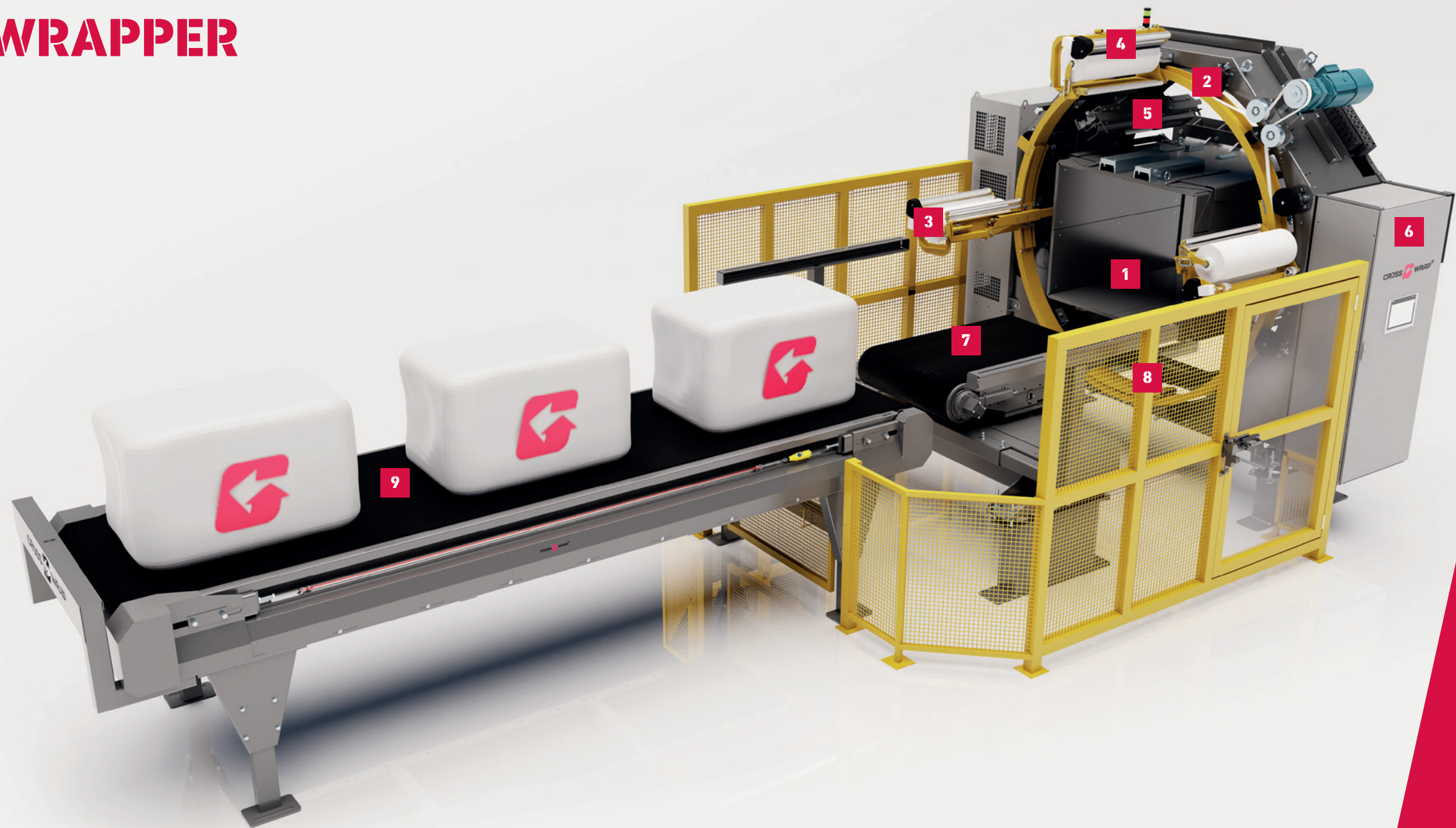
NET CUTTER (OPTIONAL)
Cuts bale netting after the wrapping cycle, keeps the net in place, and ensures it is attached to the next bale.
- 6

ELECTRIC CABINET + CONTROL PANEL
An online modem allows troubleshooting and program updates to all programmable components, as well as remote controlling. Web camera is available as an option.
- 7

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

SAFETY FENCE
In CW Direct, an opening safety fence is a standard. The CW safety fences fulfill the safety regulations and are included in the deliveries.
- 9

STORAGE CONVEYOR
Conveyor keeps the wrapped bale untouched. Dimension can vary according to bale size and production volume. Optional longer storage conveyor provides flexibility for production. Turning table option is available for varying layouts.



OPTIONS



CW2200 | CW2500

OPENING SAFETY FENCE

The maintenance and cleaning of the machine and its surroundings is easier, when fencing can be moved aside. Equipped with an interlocked system and transparent impact glass. In CW Direct, opening safety fence is a standard feature.



ALL WRAPPERS

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.



ALL WRAPPERS

CLEANING CONVEYOR

Minimize the need for manual cleaning with an automatic cleaning conveyor system that can send material back to the baler, separate bin, or bunker. Perfect solution to keep working area clean and profitable working time to the max.



ALL WRAPPERS

WEIGHING CONVEYOR

Integrated into the wrapping line and works as an automatic scale. Get data on individual bales, shift performance and overall capacity. Weighing data can be monitored from a control panel and transferred to factory's control systems.



ALL WRAPPERS

LABELING

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



ALL WRAPPERS

FILM WATCH

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



ALL WRAPPERS

ELECTRIC CABIN COOLER OR HEATER

Keep the machine running in optimal temperatures regardless of the conditions of your facility.



DIRECT BALE WRAPPERS

NET WRAPPING

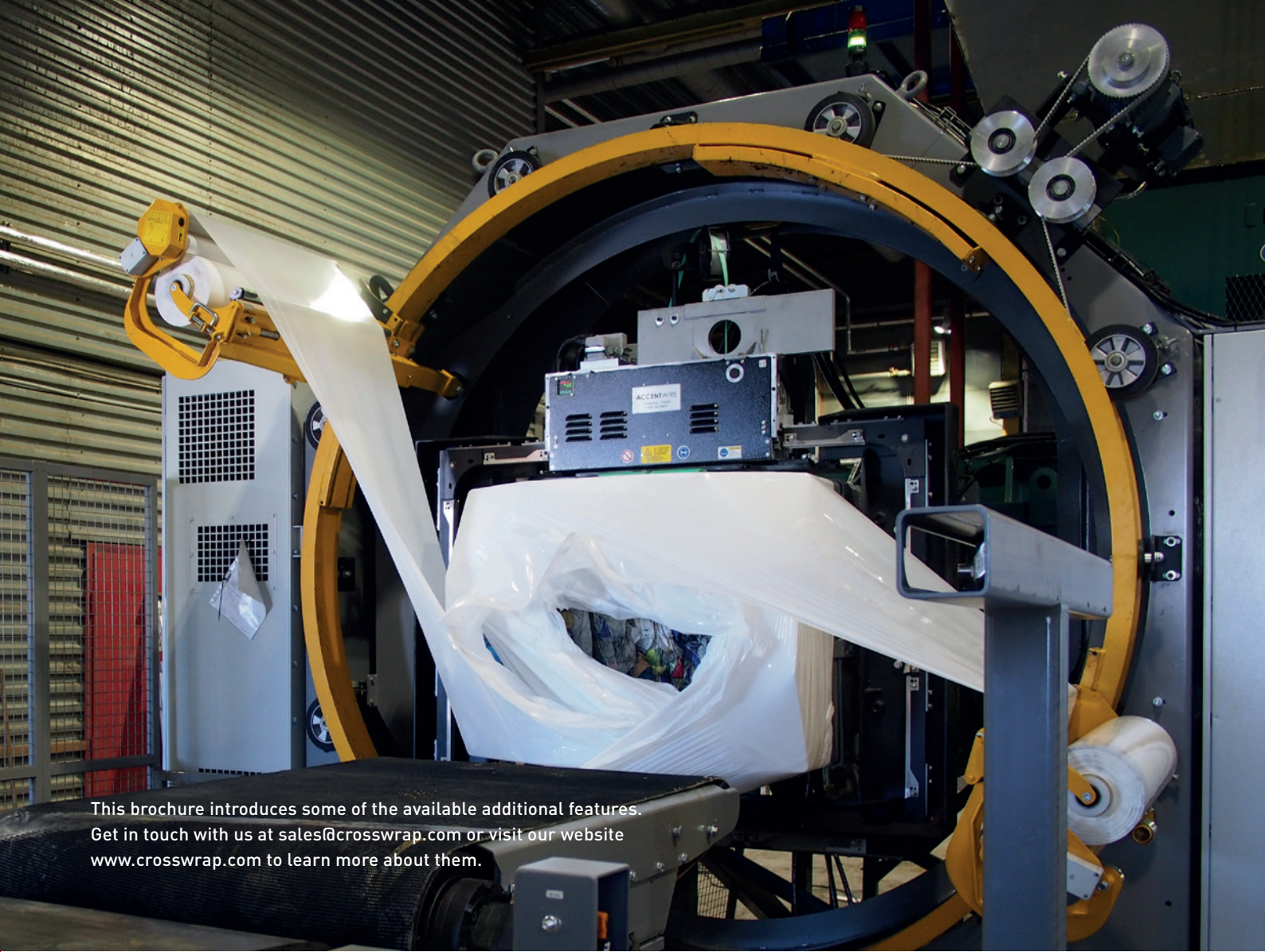
Net wrapping helps to create even stronger bales while lowering wrapping film consumption. Suitable for demanding materials, such as MSW.



CW2200 | CW2500

BALE TRACK

Ensures that the bales are fully out of the baler before they can move to the bale wrapper's front conveyor and begin the wrapping process.



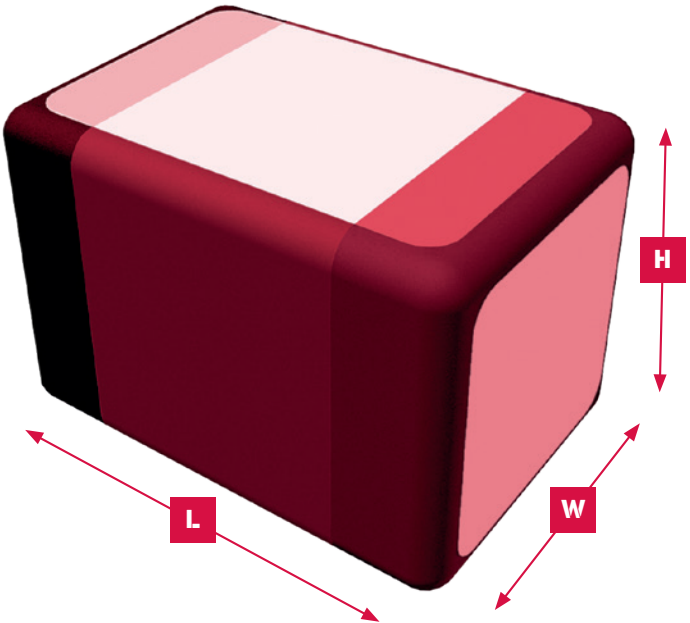
This brochure introduces some of the available additional features. Get in touch with us at sales@crosswrap.com or visit our website www.crosswrap.com to learn more about them.

FILM CONSUMPTION

Wrapping film consumption can be customized according to your operational needs. The CW2200 and CW2500 Bale Wrappers have three different wrapping programs to choose from. Wrapping film usage in different parts of the bale can also be adjusted. Add or remove layers according to depending on the material, as well as transportation, storage and handling conditions. In the figure below, lighter colors indicate less wrapping film on the bale, while darker colors indicate more wrapping film.

FILM LAYERS ON BALE

- Middle top and bottom
- Rear top and bottom
- Front and rear ends
- Front top and bottom
- Middle sides
- Front sides and edges
- Rear sides and edges



TECHNICAL SPECIFICATIONS

CW2200 BALE WRAPPER

CapacityUp to 60 bales/h
Bale sizeW 800-1100mm / 31.5-43.5 in, H 600-1200mm / 23.5-47 in, L 1100-1900mm / 43.5-75 in
Bale weight.....400-2000 kg / 880-4400 lbs
Hydraulic unit.....15 or 22 kW / 20 or 30 hp

- Max pressure.....190 bar / 2755 psi
- Oil capacity200 l / 53 gal

Designed to work together with channel balers and twin-ram balers.

CW2500 BALE WRAPPER

CapacityUp to 60 bales/h
Bale sizeW 800-1600mm / 31.5-63 in, H 600-1400mm / 23.5-55 in, L 1100-1900mm / 43.5-75 in
Bale weight.....400-2000 kg / 880-4400 lbs
Hydraulic unit.....15 or 22 kW / 20 or 30 hp

- Max pressure.....190 bar / 2755 psi
- Oil capacity200 l / 53 gal

Designed to work together with channel balers and twin-ram balers.

CW DIRECT BALE WRAPPER

CapacityUp to 45 bales/h
Bale sizeW 800-1600mm / 31.5-63 in, H 600-1400mm / 23.5-55 in, L 1100-1900mm / 43.5-75 in
Bale weight.....400-2000 kg / 880-4400 lbs
Hydraulic unit.....15 or 22 kW / 20 or 30 hp

- Max pressure.....190 bar / 2755 psi
- Oil capacity200 l / 53 gal

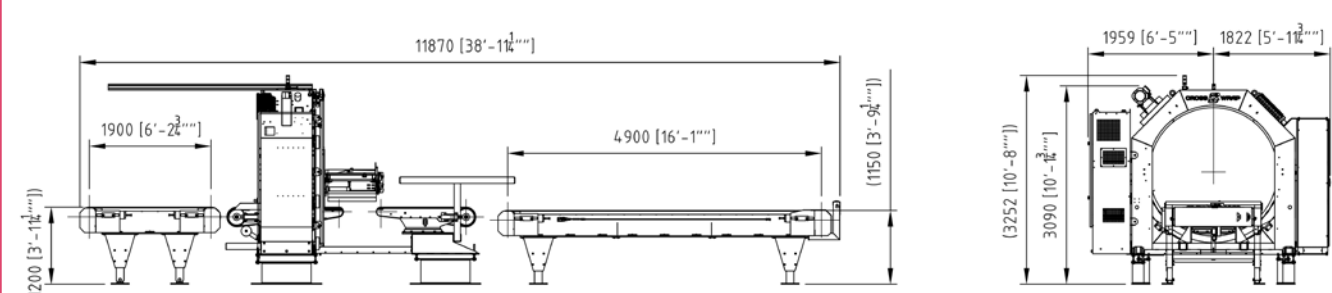
Designed to work together with twin-ram balers.



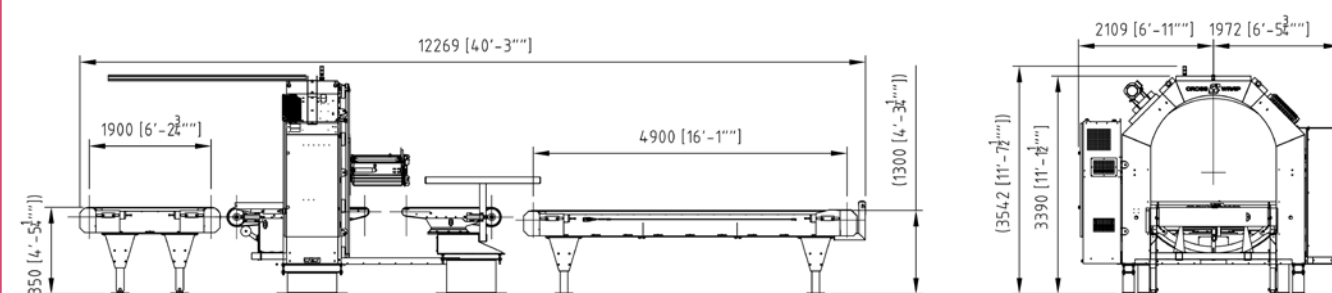
LAYOUT FOR STANDARD MACHINE

The sample layouts shown in the brochure are examples, with actual layouts customized to meet customer facility requirements.

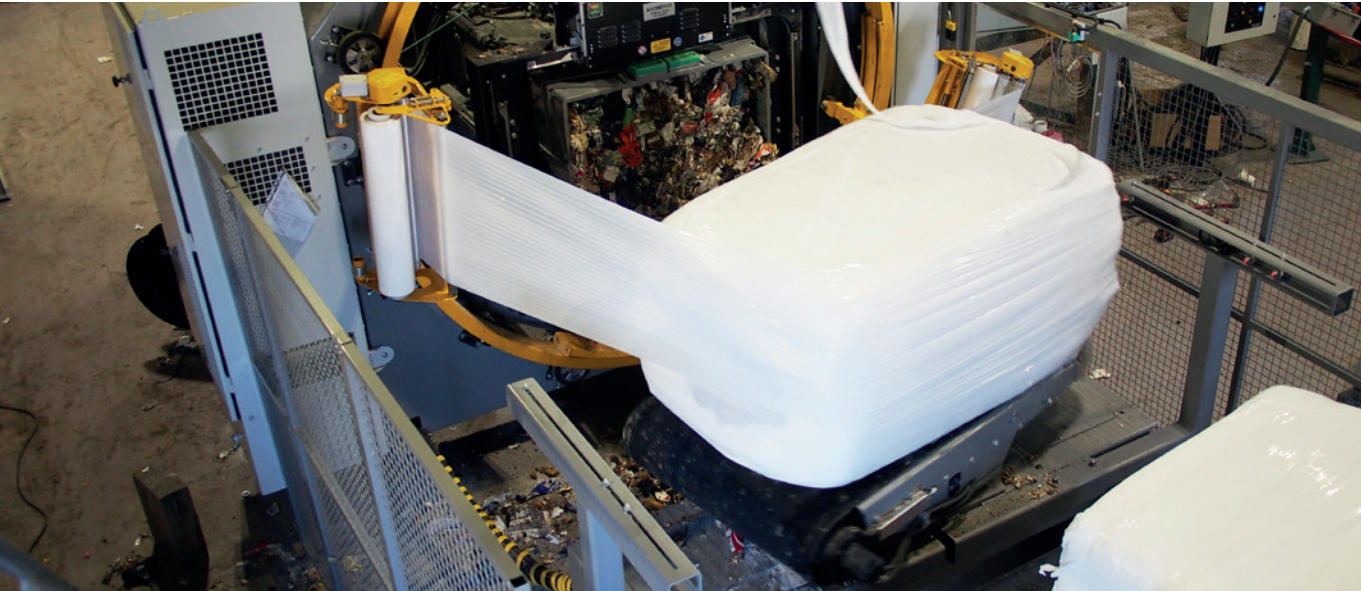
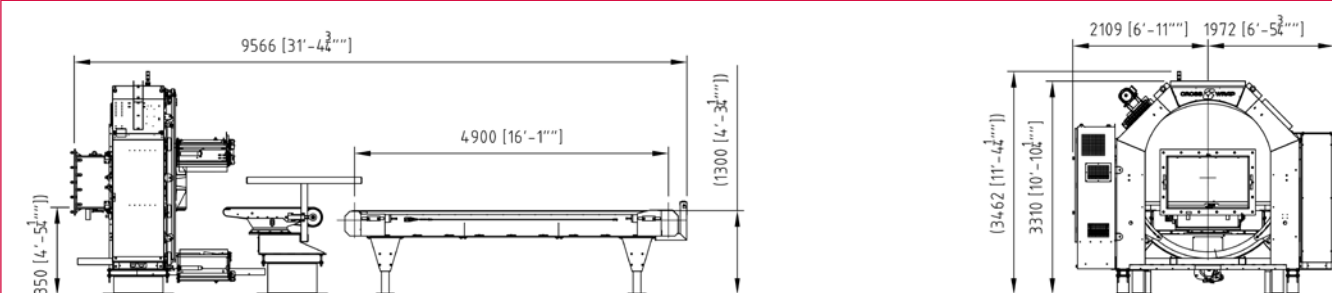
CW2200 BALE WRAPPER



CW2500 BALE WRAPPER



CW DIRECT BALE WRAPPER





EST. 1994

Cross Wrap is a global leader in manufacturing smart material wrapping and bale dewiring solutions for various industries.

Our customers are operators in the waste treatment and energy industries, professionals in plastic recycling, market leaders in paper recycling and processing, and top companies in the wood industry.

Ask about our smart solutions for your baled material!



WRAP IT SMARTER

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Cross Wrap's product range meets safety requirements of the industry, and the manufacturing process is supervised under the certified quality system ISO9001.
The products in the pictures are suggestive and may not look exactly the same as a bought product. Every machine ensemble is customized for the client.
Weights and measurements are given within normal tolerances. Manufacturer reserves the right to change the features at any time.