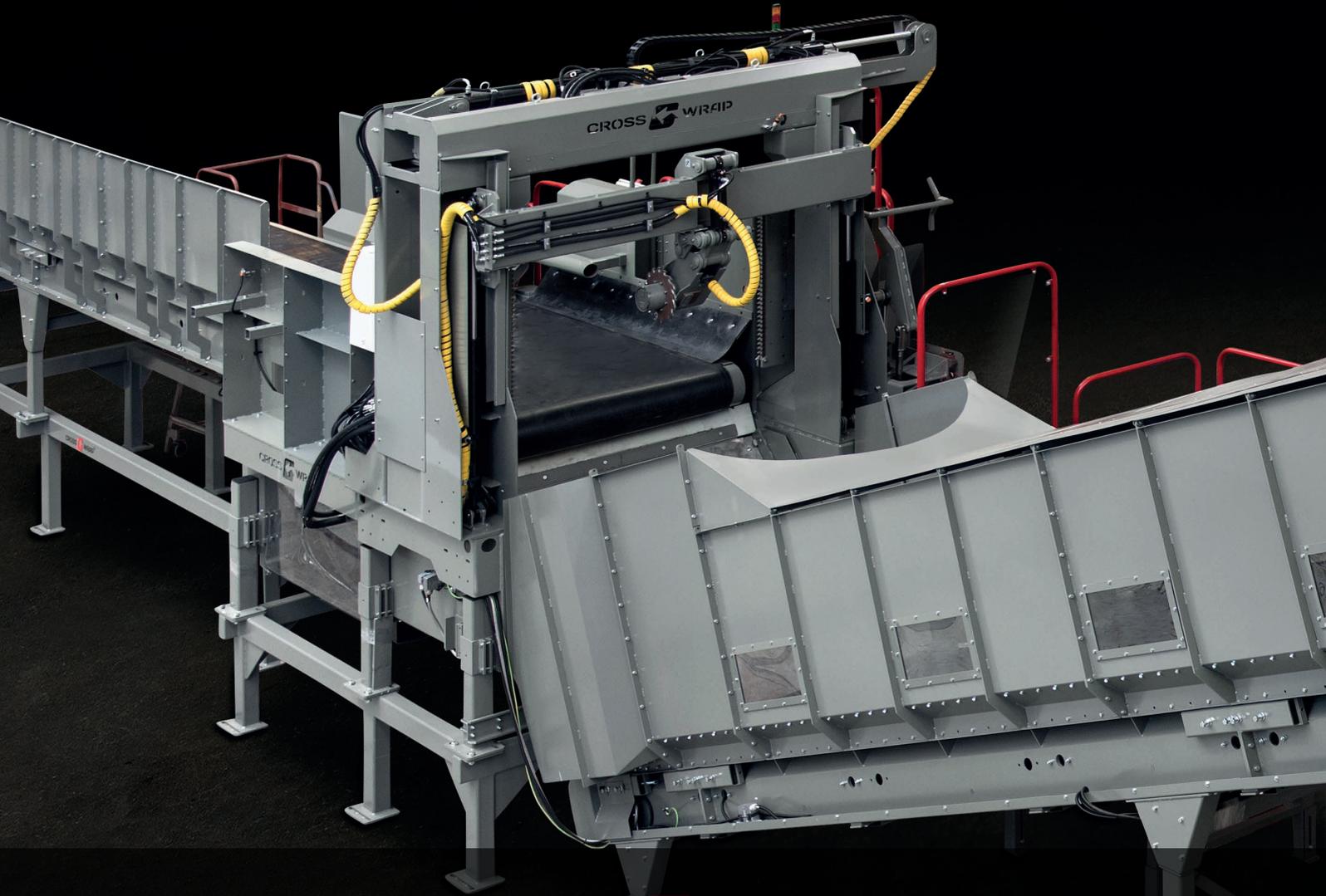


# CW DEWIRING

## RUN SAFETY



**CROSS**  **WRAP**®  
WRAPPING THE WORLD

# CW DEWIRING

CW Dewiring improves working safety and lowers the labor cost.

The machine cuts the bale wires, separates them from the material and coils the wires for further processing. The process is automatic and no manual actions are needed.

CW Dewiring can be customized according to the customer's needs. The machine is suitable for different size bales. Additional conveyors and other options are available to help material handling and improve production efficiency.



**SAFETY FIRST** – Automatic dewiring prevents human injuries and makes the working environment secure.



**EFFICIENT** – Profitability increases through process automation, saving labor cost.



**SECURED MATERIAL FLOW** – Sophisticated program guarantees steady material flow for the production.

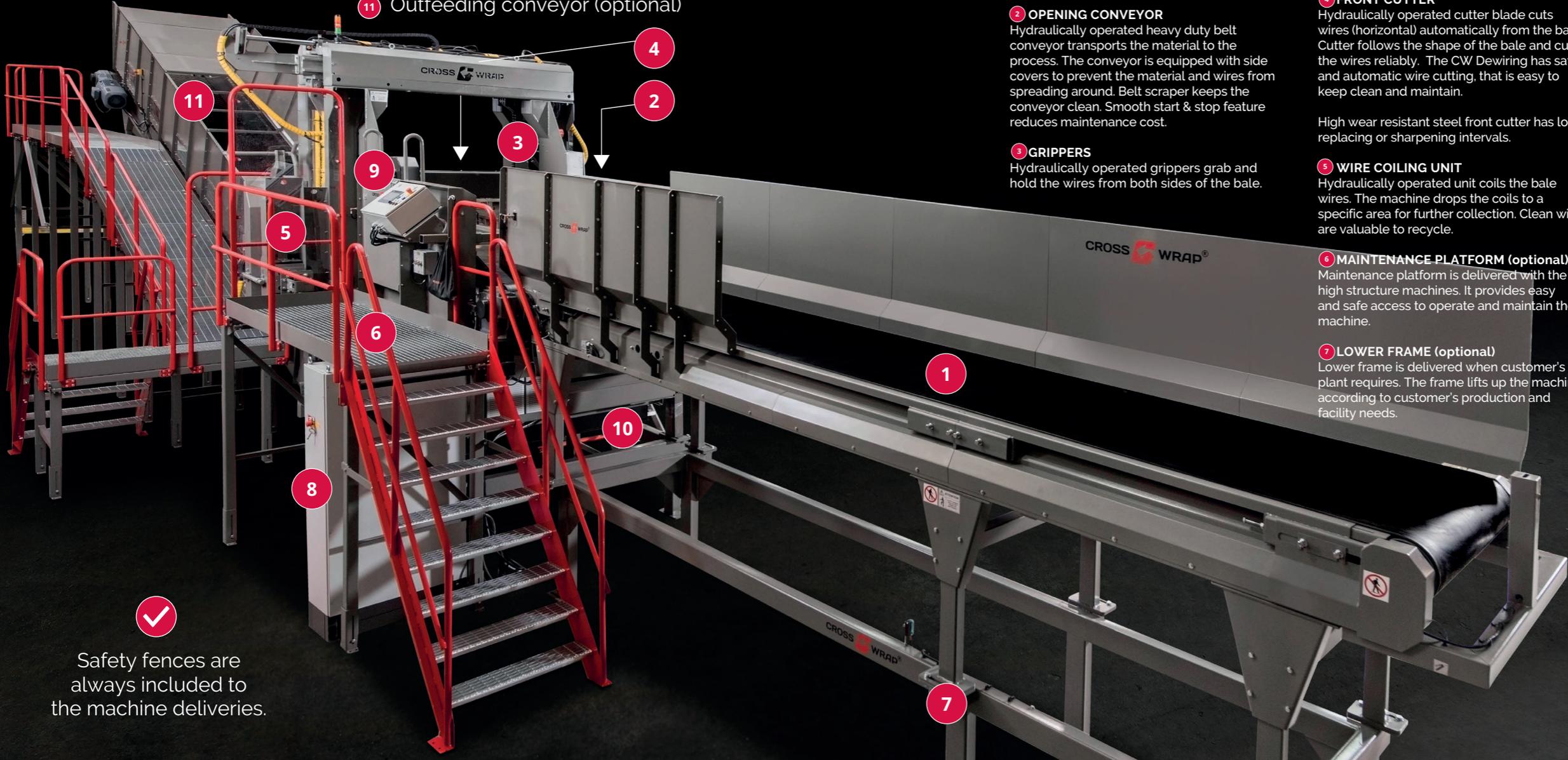


**ADAPTABLE** – CW Dewiring can be adapted to various production volumes and environment.



**FLEXIBLE** – One line can dewire various bale sizes, materials and ties.

- 1 Feeding conveyor (optional)
- 2 Opening conveyor
- 3 Grippers
- 4 Front cutter
- 5 Wire coiling unit
- 6 Maintenance platform (optional)
- 7 Lower frame (optional)
- 8 Electric cabinet
- 9 Control panel
- 10 Hydraulic unit
- 11 Outfeeding conveyor (optional)



Safety fences are always included to the machine deliveries.

**1 FEEDING CONVEYOR (optional)**  
The delivery can include the feeding conveyor, or the customer's existing conveyor can be utilized.

Hydraulically operated heavy duty belt conveyor minimizes material loss and reduces maintenance cost. The CW Dewiring belt conveyors move wired bales carefully. The conveyor amount and dimensions can vary according to bale size and production.

**2 OPENING CONVEYOR**  
Hydraulically operated heavy duty belt conveyor transports the material to the process. The conveyor is equipped with side covers to prevent the material and wires from spreading around. Belt scraper keeps the conveyor clean. Smooth start & stop feature reduces maintenance cost.

**3 GRIPPERS**  
Hydraulically operated grippers grab and hold the wires from both sides of the bale.

After the front cutter has cut the wires the grippers move sideways holding them. The wires are separated with the unique gripping system.

High wear resistant steel grippers have long replacing intervals.

The gripping system can be easily adjusted for different bales by using the touch screen.

**4 FRONT CUTTER**  
Hydraulically operated cutter blade cuts wires (horizontal) automatically from the bale. Cutter follows the shape of the bale and cuts the wires reliably. The CW Dewiring has safe and automatic wire cutting, that is easy to keep clean and maintain.

High wear resistant steel front cutter has long replacing or sharpening intervals.

**5 WIRE COILING UNIT**  
Hydraulically operated unit coils the bale wires. The machine drops the coils to a specific area for further collection. Clean wires are valuable to recycle.

**6 MAINTENANCE PLATFORM (optional)**  
Maintenance platform is delivered with the high structure machines. It provides easy and safe access to operate and maintain the machine.

**7 LOWER FRAME (optional)**  
Lower frame is delivered when customer's plant requires. The frame lifts up the machine according to customer's production and facility needs.

**8 ELECTRIC CABINET**  
Electric cabinet is equipped with high-quality components and high-resolution touch screen.

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 downtimes. Web camera is available as an option.

**9 CONTROL PANEL**  
High-resolution touch screen can be situated separately from the electric cabinet to provide easy access - Daily operating and settings changing are user friendly.

**10 HYDRAULIC UNIT**  
Hydraulically operated functions are reliable, efficient and easy to maintain. Hydraulic unit has easy access, and it provides noise reduction. Hydraulic unit structure and placing allow efficient cooling.

**11 OUTFEEDING CONVEYOR (optional)**  
The delivery can include the outfeeding conveyor, or the customer's existing conveyor can be utilized.

Hydraulically operated heavy duty belt conveyor ensures low maintenance cost. The chevron belt is an optional choice used to avoid slipping material. The conveyor amount and dimensions can vary according to bale sizes and production. The conveyor can be covered from the top for the material and weather protection.

# CW DEWIRING IN ACTION



Plastic bales



Recycled cardboard bales



Pulp bales

CW Dewiring is suitable for many other materials such as straw, bagasse, cotton, pet bottles, fibers, woodchip, etc.

## OPTIONS



### FEEDING CONVEYOR

Hydraulically operated heavy duty belt conveyor minimizes material loss and reduces maintenance cost. The CW Dewiring belt conveyors move wired bales carefully. The conveyor amount and dimensions can vary according to bale sizes and production.



### OUTFEEDING CONVEYOR

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### LIGHT CURTAINS

Light curtains save working time and speed up the production compared to the basic safety fences.



### OPENING SAFETY FENCE

Opening safety fence makes the maintenance and cleaning easier, when fencing can be moved aside. The fence is equipped with interlocked system and transparent impact glass. Safety devices are included according to customer needs.



### 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.



## 450 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 builds and installs stretch film bale wrappers to pack various waste materials and recyclables for transport and storage. Cross Wrap product range also includes bale openers and dewiring machines that open up the bales when materials need to be utilized. In addition to waste and recyclables Cross Wrap also operates in packaging wood based boards.

