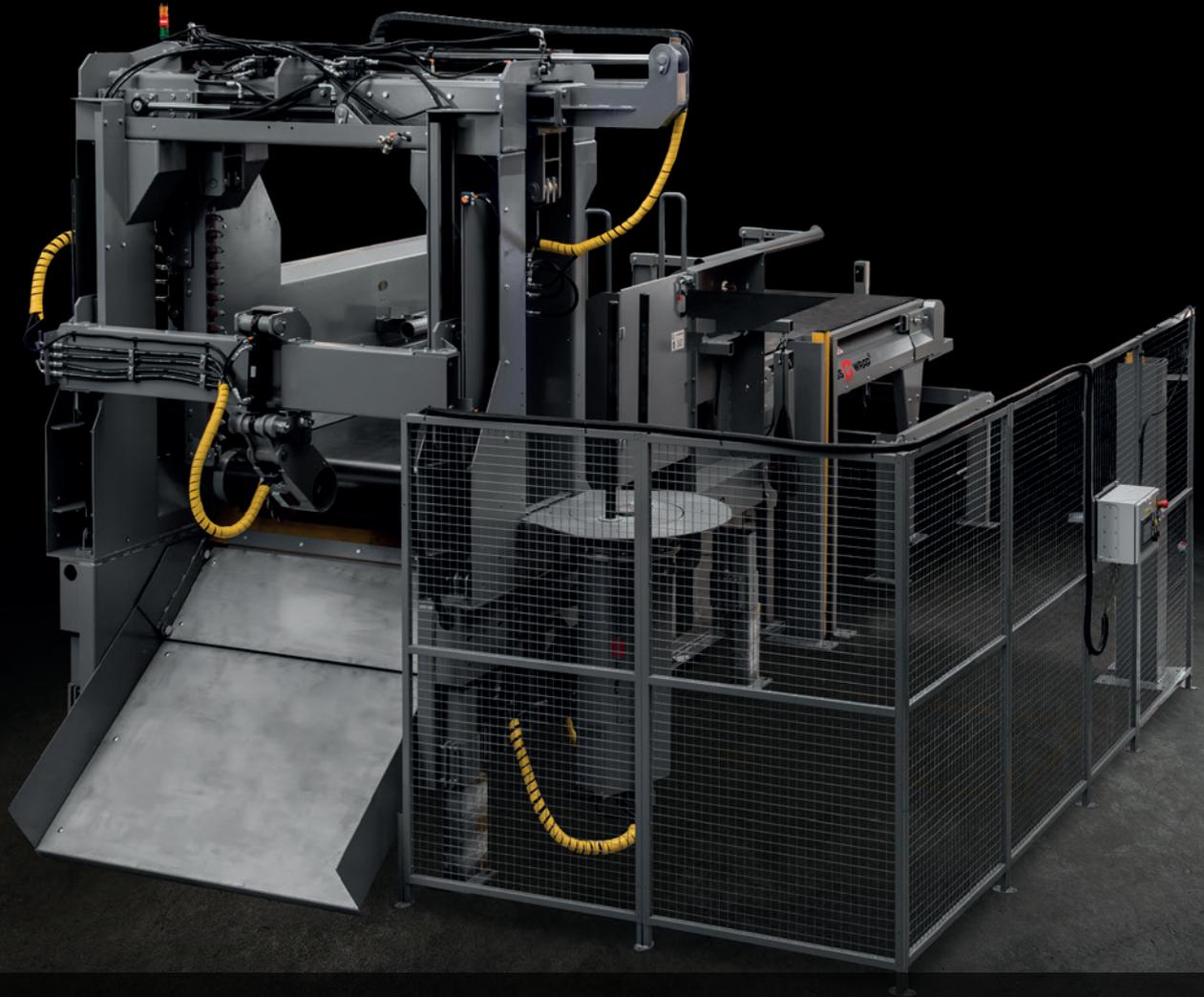


CW 3600 BALE OPENER

BEST BALE OPENER FOR YOUR BUSINESS



CROSS  **WRAP**[®]
WRAPPING THE WORLD

CW 3600 BALE OPENER

CW Bale Opener cuts and separates the film and ties from the material and moves the material for further processing.

Fully automatic CW Bale Opener is safe and cost effective solution to open bales. CW Bale Opener offers savings in labor and maintenance cost.

Fast and reliable bale opening ensures continuous material flow to production. The bale loading is made easy and the machine opens variable size bales, both rectangular and round bales. The steady material flow is secured with sophisticated machine programming.



FILM & TIES SEPARATION – More production with less cost as film and ties do not end up to the process.



LOW OPERATING COST – Low maintenance cost and electric consumption.



EFFICIENT – Big capacity and low electric consumption increase productivity.



DURABLE – The robust machine structure is designed for big volumes and variations in bale size and quality.



VERSATILE – Works with both rectangular and round bales.



ADAPTABLE – Optional machine customizations ensure the machine meets the customer and production volume needs.



1 Feeding conveyor (optional)

2 Bottom cutter

3 Opening conveyor

4 Top cutter

5 Grippers

6 Front cutter

7 Film & wire coiling unit

8 Slide plate

9 Hydraulic unit

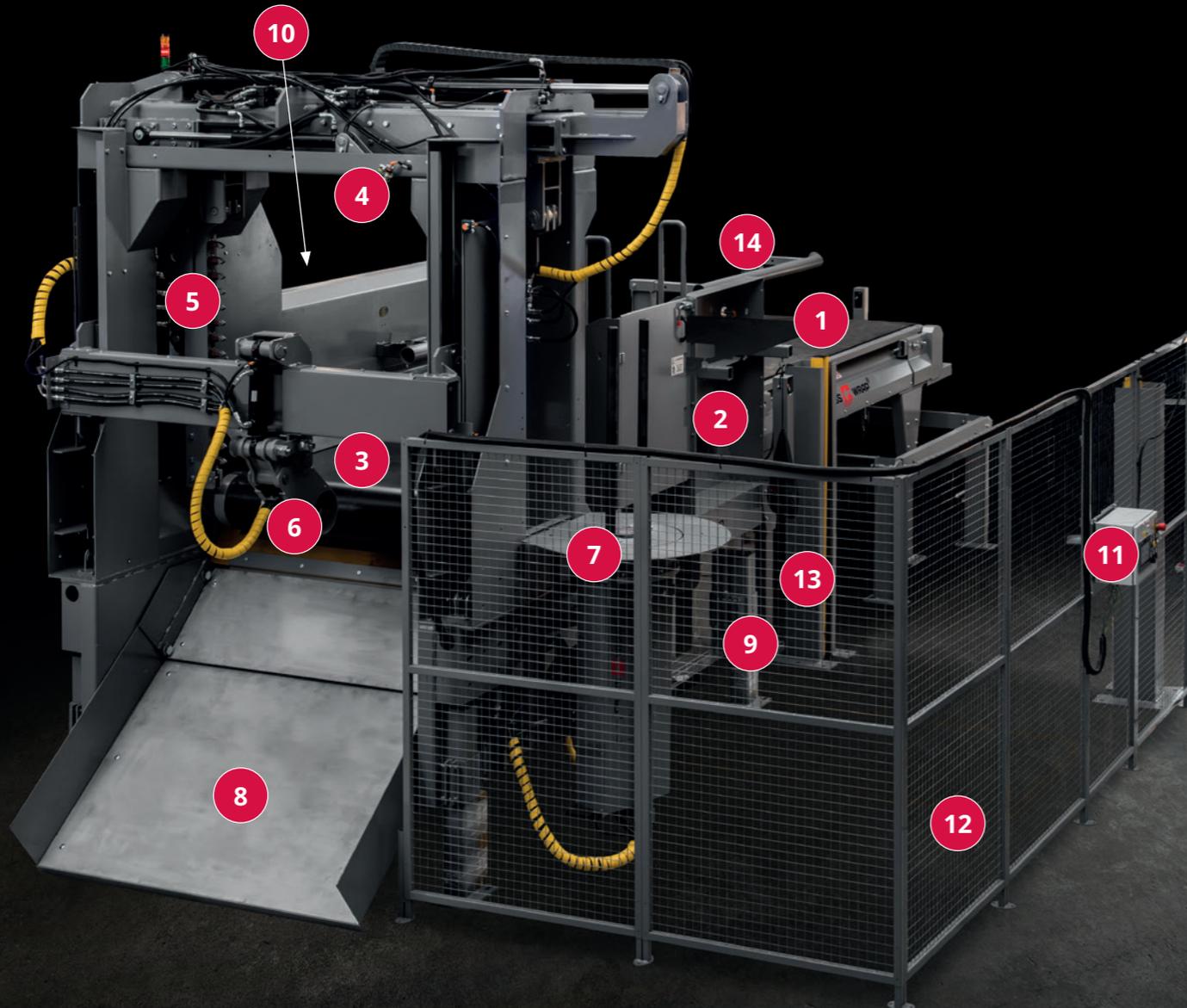
10 Electric cabinet

11 Control panel

12 Safety fences

13 Light curtain

14 Bale loading adjuster (optional)



1 FEEDING CONVEYOR (optional)

The delivery includes the feeding conveyor, or the customer's existing conveyor can be utilized.

Hydraulically operated heavy duty belt conveyor moves bales carefully to the process. Conveyors have low maintenance cost. The conveyor amount and dimensions can vary according to bale size and production.

2 BOTTOM CUTTER

Hydraulically operated cutter blade cuts the film automatically from the bottom of the bale reliably.

The CW Bale Opener has safe and automatic film cutting that is easy to keep clean and maintain. High wear resistant steel bottom cutter has long replacing intervals.

3 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 from spreading around. Belt scraper keeps the conveyor clean. Smooth start & stop feature reduces maintenance cost.

4 TOP CUTTER

Hydraulically operated cutter blade cuts the film automatically from the top of the bale. Cutter follows the shape of the bale and cuts the film reliably.

The CW Bale Opener has safe and automatic film cutting that is easy to keep clean and maintain. High wear resistant steel top cutter has long replacing intervals.

5 GRIPPERS

Hydraulically operated grippers grab and hold the film and ties from both sides of the bale. After the cutters have cut the film and ties the grippers move sideways holding them. The film and ties of the bale are removed 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.

6 FRONT CUTTER

Hydraulically operated cutter blade cuts the film and the ties automatically from the front of the bale. Pressure controlled swing movement ensures the cutter follows the shape of the bale and cuts the film and ties reliably.

The CW Bale Opener has safe and automatic film and ties cutting, that is easy to keep clean and maintain. High wear resistant steel front cutter has long replacing or sharpening intervals.

7 FILM & WIRE COILING UNIT

Hydraulically operated unit coils the film and ties for further collection. Automatic coiling reduces labor cost and it is easy to maintain.

8 SLIDE PLATE

Slide plate offers controlled flow of materials to the further process. During maintenance break slide plate can be lifted up giving better access to maintain the front cutter.

9 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.

10 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 down times.

Web camera is available as an option.

11 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.

12 SAFETY FENCES

Safety fences are always included to the deliveries. The fencing fulfill the safety regulations.

13 LIGHT CURTAIN

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

14 BALE LOADING ADJUSTER (optional)

With the help of adjuster bale loading and positioning to the feeding conveyor is easier.

CW BALE OPENER IN ACTION



Bale opening starts by cutting the film from the bottom of the bale.



Cutting film and ties from the front of the bale.



Film and ties separation.

OPTIONS



FEEDING CONVEYOR

Hydraulically operated heavy duty belt conveyor moves bales carefully to the process. Conveyors have low maintenance cost. The conveyor amount and dimensions can vary according to bale size and production.



OUTFEEDING CONVEYOR

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.



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 immediate actions are possible, e.g. to stop the machine.



LIGHT CURTAIN

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



MAINTENANCE PLATFORM

Maintenance platform provides safe and easy access to operate and maintain 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. 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. 450 machines delivered to 55 countries – with more than 45.000.000 bales Cross Wrapped to date.

