



BALE OPENER

THE WORLD'S SMARTEST BALE OPENING



BALE OPENING MADE AUTOMATIC

The Bale Opener handles bales containing waste-to-energy materials such as RDF and SRF. The machine cuts the bales open from three sides and removes the film and any ties holding the bale together, allowing only the baled material to pass through to the next stage of your process.

The fully automatic Bale Opener provides fast and reliable bale opening, ensuring a continuous material flow to production. Bale loading is made easy with optional conveyors. The machine can open bales of various sizes, both rectangular and round.



AUTOMATED – Achieve smooth, continuous material flow with a fully automated solution. In addition, you'll save on labor costs and floor space while keeping your facility clean and organized.



FILM, NET & TIES SEPARATION – Increase production efficiency and reduce costs by keeping ties, net, and film out of your process. Coiled ties, net, and film also save valuable space in storage and transportation compared to loose materials.



EFFICIENT – A maximum capacity of 60 bales per hour, combined with low energy consumption and minimal maintenance needs, boosts overall efficiency and productivity.



DURABLE – Built for high volumes, the machine's robust structure ensures long-term reliability. Wear parts are easily replaceable, and spare parts are readily available, providing extended product life and consistent performance.



ADAPTABLE – Compatible with both rectangular and round bales, as well as varying bale sizes. Optional customizations allow the machine to be tailored to specific production volumes and customer requirements.

SAVE TIME AND SPACE

With automated bale opening, you gain full control over material flow throughout your process. Messy and inefficient methods – such as opening bales with an excavator or feeding them directly into a shredder – become unnecessary. The bale opening line is compact and can be easily customized with conveyors to fit your facility layout and process needs.

BUILT TO LAST

Bale Openers are designed for long-lasting reliability. The machines are easy to maintain and equipped with an internet modem for remote troubleshooting and software updates, ensuring your machine always performs at its best. Our Life Cycle Service team provides support both remotely and on site, and spare parts are readily available when needed.

OUR MACHINES

The Bale Opener is built on the same proven design as Dewiring Machines, with additional cutting blades to open the plastic bale cover efficiently. To complete your operation line, optional conveyors and a bale slice breaker are available, ensuring smooth and continuous material flow.

**BALE OPENER FOR DIFFERENT
MATERIALS / DIFFERENT
FUNCTIONALITIES / APPLICATIONS ETC.**



RDF, SRF, MSW



**CONTINUOUS
MATERIAL FLOW
WITH AUTOMATION**

BALE OPENER

SEPARATES TIES, NET AND FILM WRAP FROM BALED MATERIAL

1 FEEDING CONVEYOR (OPTIONAL)
The feeding conveyor can be supplied as an optional addition, or the customer's existing conveyor can be integrated into the line. The electrically operated, heavy-duty belt conveyor moves bales smoothly and safely into the process with minimal maintenance requirements. Conveyor dimensions and quantity can be tailored according to bale size and production capacity.

2 BOTTOM, TOP AND FRONT CUTTERS
Hydraulically operated cutting blades automatically and reliably cut the film and netting. A pressure-controlled swing movement allows the cutter to follow the bale's shape, ensuring consistent cutting of ties, net, and film. The Bale Opener's automatic film cutting system is both safe and easy to clean and maintain. The wear-resistant steel bottom cutter offers long service intervals and reliable performance.

3 OPENING CONVEYOR
The hydraulically operated, heavy-duty belt conveyor transports material smoothly into the process. Side covers prevent material from spreading, while a belt scraper keeps the conveyor clean. The Smooth Start & Stop feature reduces wear and lowers maintenance costs.

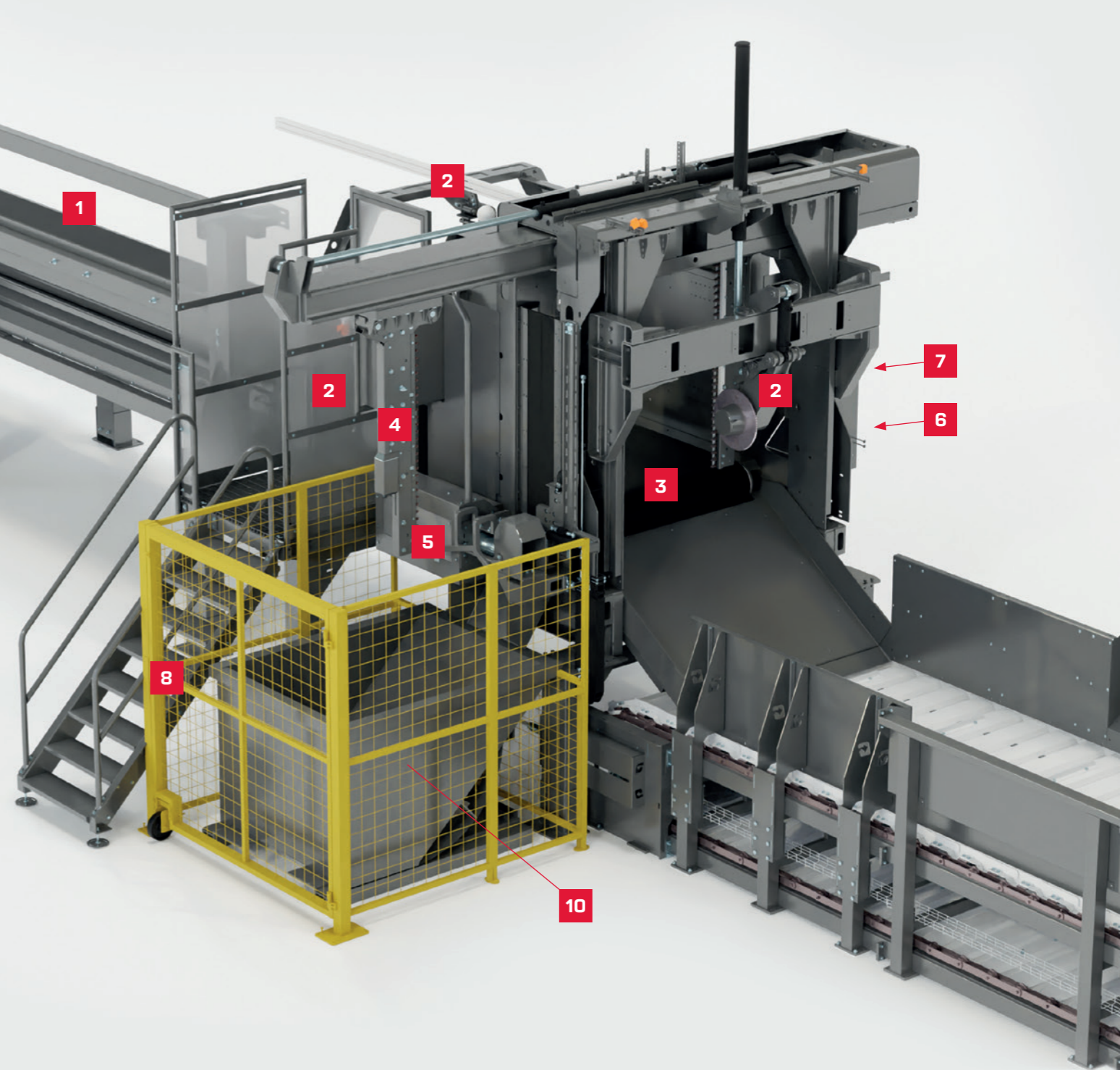
4 GRIPPERS
Hydraulically operated grippers grab and hold the ties, net, and film from both sides of the bale. After cutting, the grippers move sideways while holding the material, effectively removing it with the unique Cross Wrap gripping system. The wear-resistant steel grippers have long service intervals and automatically adjust to different bale sizes and shapes.

5 FILM & WIRE COILING UNIT
This hydraulically and electrically operated unit coils ties, net, and film for easy collection and handling. Automatic coiling reduces labor, storage, and transport costs, while its simple design ensures easy maintenance and reliable performance.

6 HYDRAULIC UNIT
All hydraulically operated functions are reliable, efficient, and easy to maintain. The hydraulic unit provides noise reduction, features easy access for service, and its design ensures effective cooling for optimal operation.

7 ELECTRIC CABINET & CONTROL PANEL
Daily operation and setting adjustments are straightforward and user-friendly. The machine is equipped with Siemens safety logic, minimizing the need for extra safety relays and reducing maintenance costs. Optional Coupler enables communication and signal exchange over Profinet or Profibus protocol. Standard feature LAN/WLAN modem enables remote troubleshooting, software updates, and monitoring via a secure VPN connection, minimizing production downtime and allowing full remote control and diagnostics.

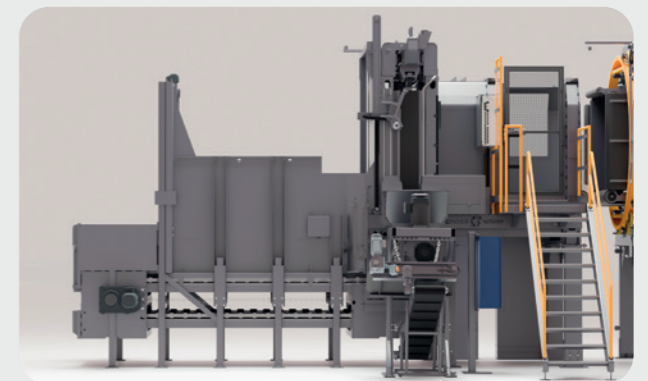
8 SAFETY FENCES
Safety fences with access doors are included in every delivery. The fencing is designed and manufactured to fully comply with safety regulations, ensuring operator protection and compliance with industrial standards.



9 BALE LOADING SUPPORT (OPTIONAL)
The bale loading support makes positioning bales onto the feeding conveyor easier, faster, and safer. It assists with accurate alignment and stable loading, reducing manual effort and improving workflow efficiency.

10 COIL SHREDDER (OPTIONAL)
The Coil Shredder crushes removed ties, net, and film, significantly improving storage efficiency and capacity. By compacting coiled material, it extends the emptying interval of the coil container and reduces operator intervention.

11 BALE SLICE BREAKER (OPTIONAL)
The Bale Slice Breaker ensures loose, steady material flow after bale opening. Positioned after the main unit, it breaks compressed bale slices into smaller pieces, enabling smoother feeding to the next processing stage and optimizing overall system performance.



TECHNICAL SPECIFICATIONS

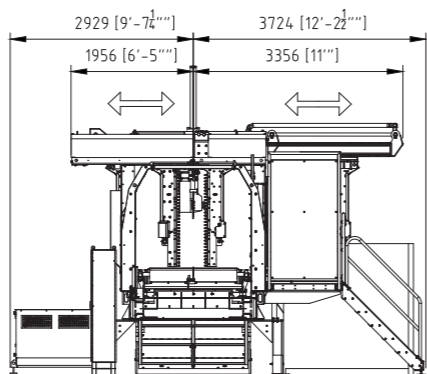
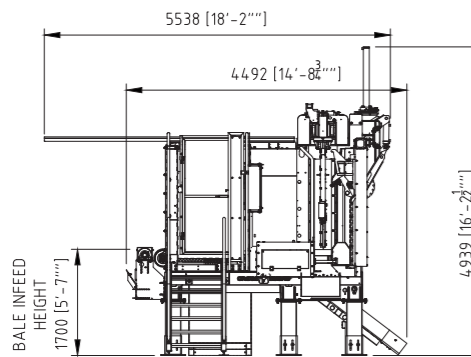
BALE OPENER

Capacity.....Up to 60 bales / hour
Bale size.....Square bale: W 700-1400 mm / 2.29-4.59 ft, H 800-1200 mm / 2.62-3.94 ft, L 1150-2200 mm / 3.77-7.22 ft
Round bale: H 800-1200 mm / 2.62-3.94 ft, Ø 1150-1400 mm / 3.77-4.59 ft
Bale weight.....250-2500 kg / 550-4400 lbs
Hydraulic unit.....37 kW / 50 hp
Max pressure.....190 bar / 2755 psi
Oil capacity.....350 l / 92 gal

LAYOUT FOR STANDARD MACHINE

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

BALE OPENER



Shift to Proven Solutions



EST. 1994

At Cross Wrap, we are more than a machine supplier – we are your long-term partner. With upgrades, spare parts, and Life Cycle Services, we keep your machines reliable and productive for decades. We listen to your needs and deliver tailored solutions that ensure your operations run smoothly, safely, and efficiently.



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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.