



# WIRE CUTTERS

COMPACT SOLUTION FOR SAFE AND EFFICIENT WIRE CUTTING  
ROTARY CUTTER | LINEAR CUTTER | CROSS CUTTER





# SAFE AND AFFORDABLE WIRE CUTTING WITH AUTOMATION

Our Wire Cutters are compact, reliable machines designed to cut wires in bales tied without plastic wrapping. Automating the cutting process ensures a steady material flow and, most importantly, improves workplace safety.

Easy to install and integrate into existing lines, the Wire Cutters provide a cost-efficient way to enhance productivity. Proven in both the paper industry and waste management, they help increase performance.



**AUTOMATED** – Achieve smooth, continuous material flow with a fully automated solution. In the paper industry – where ragger ropes are in the pulper – the Wire Cutter automates the entire bale cutting process.



**SAFE** – Enhance workplace safety by eliminating the most hazardous step of bale opening – manually cutting high-tension wires.



**EASY TO INSTALL** – The Wire Cutter is easy to integrate or retrofit into existing production lines.



**AFFORDABLE** – A simple, cost-efficient machine that delivers automation without a high initial investment.

## EASY TO RETROFIT

Wire Cutters are easy to retrofit into existing production lines with minimal modifications to your current machinery. Increasing automation doesn't have to mean large investments or long downtime – installation is quick and straightforward, allowing you to improve efficiency without disrupting production.

## BUILT TO LAST

Wire Cutters are built for long-lasting reliability. The machines are easy to maintain and equipped with an online modem for remote troubleshooting and software updates, ensuring optimal performance at all times. Our Life Cycle Service team provides expert support both remotely and on site, with spare parts readily available when needed.

## OUR MACHINES

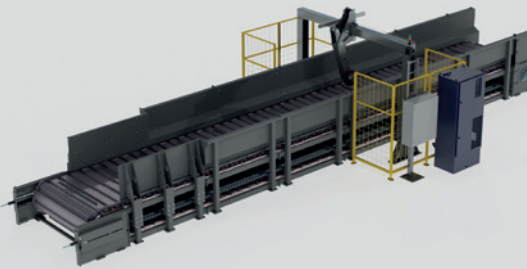
Wire Cutters function as lightweight versions of our Dewiring Machines, performing precise wire cutting without coiling the wires after they've been cut. We offer three versions to match different bale configurations:

- Rotary Cutter [RC]: For cutting horizontal wires
- Linear Cutter [LC]: For cutting wires parallel to the line
- Cross Cutter [XC]: For cutting cross-wired bales

By selecting the right model for your bale orientation, you ensure seamless operation and reliable automation for your process.



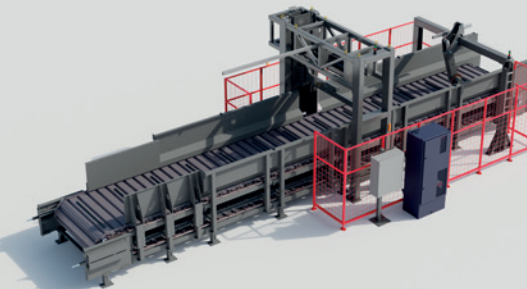
### DIFFERENT TYPES OF WIRE CUTTERS



ROTARY CUTTER [RC]



LINEAR CUTTER [LC]



CROSS CUTTER [XC]



# ROTARY CUTTER

- 1

**CUTTER FRAME**  
The machine's durable steel frame ensures long-term reliability. Both the width and height of the frame can be customized to fit the conveyor and layout of the production line.
- 2

**CUTTER BOOM**  
The cutter boom is suspended from the frame and automatically adjusts to accommodate bales of different heights. A hydraulic cylinder presses the cutter firmly against the top of the bale during operation. For maintenance, the boom can be lifted to the upper position and locked safely in place.
- 3

**CUTTER BLADE**  
The rotating cutter blade cuts wires positioned perpendicular to the line direction. Powered by a hydraulic motor with high torque, the robust blade is fast and easy to replace. It can also be sharpened and reused before being replaced with a new one, ensuring cost efficiency and durability.
- 4

**SENSORS**  
Sensors mounted on the sensor bar monitor bale position and movement. When no material is detected on the line, the blade automatically stops rotating to save energy.

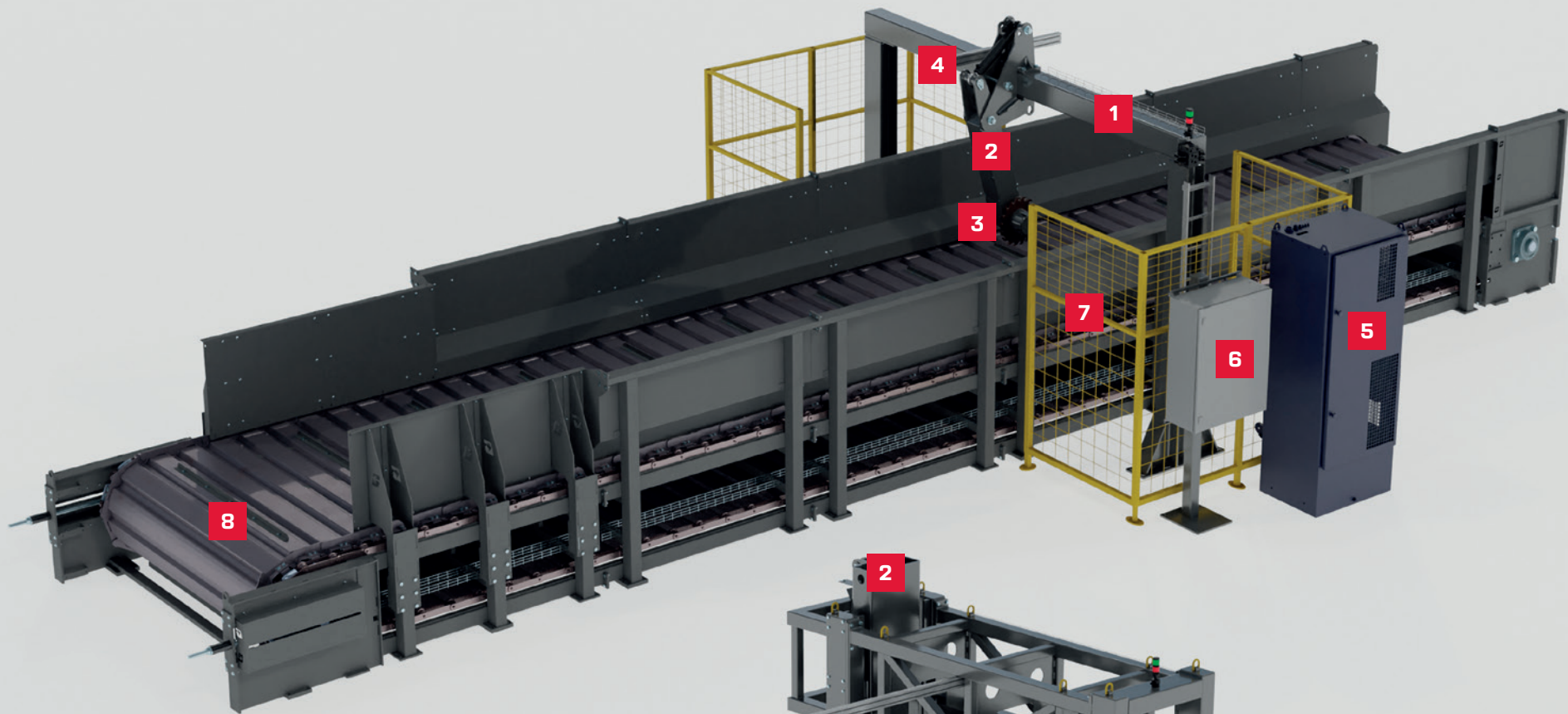
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**HYDRAULIC UNIT**  
All hydraulically operated functions are reliable, efficient, and easy to maintain. The hydraulic unit provides noise reduction, features easy access for service, and is designed for effective cooling. Its placement within the facility is flexible, allowing for optimized layout planning.
- 6

**ELECTRIC CABINET + CONTROL PANEL**  
An integrated online modem enables remote troubleshooting, software updates, and monitoring of all programmable components. A high-resolution touchscreen can be positioned separately from the electric cabinet for convenient access. Daily operation, monitoring, and settings adjustments are simple and user-friendly.
- 7

**SAFETY FENCES**  
Safety fences are included in the deliveries. The fencing fulfills the safety regulations. Opening safety fences are optional.
- 8

**CONVEYORS**  
Wire Cutters can be easily retrofitted into existing production lines. If needed, a variety of conveyor options are available to ensure seamless material flow and optimal line integration.



# LINEAR CUTTER

- 1

**CUTTER FRAME**  
The machine's robust steel frame ensures long-term durability and stability. The width and height of the frame can be modified to fit the conveyor of the operation line. Additionally, the frame can be installed on rails to move forward with the bale being cut. This allows the conveyor to run continuously, increasing overall capacity and process efficiency.
- 2

**VERTICAL BOOM**  
The boom moves vertically, adjusting the cutter's position to match bales of varying heights. A hydraulic cylinder enables manual control for raising or lowering the boom when needed.
- 3

**CUTTER**  
The cutter is based on the proven design used in Cross Wrap's Dewiring Machines and is engineered to cut wires positioned parallel to the line direction. Individual cutting spikes cut all wires simultaneously and can be easily replaced when worn. The cutter is fully hydraulically operated for consistent and reliable performance.
- 4

**SENSORS**  
Sensors mounted on a sensor bar measure the position and height of incoming bales. They ensure the cutter is always at the correct height and position when the bale arrives, guaranteeing precision and efficiency.

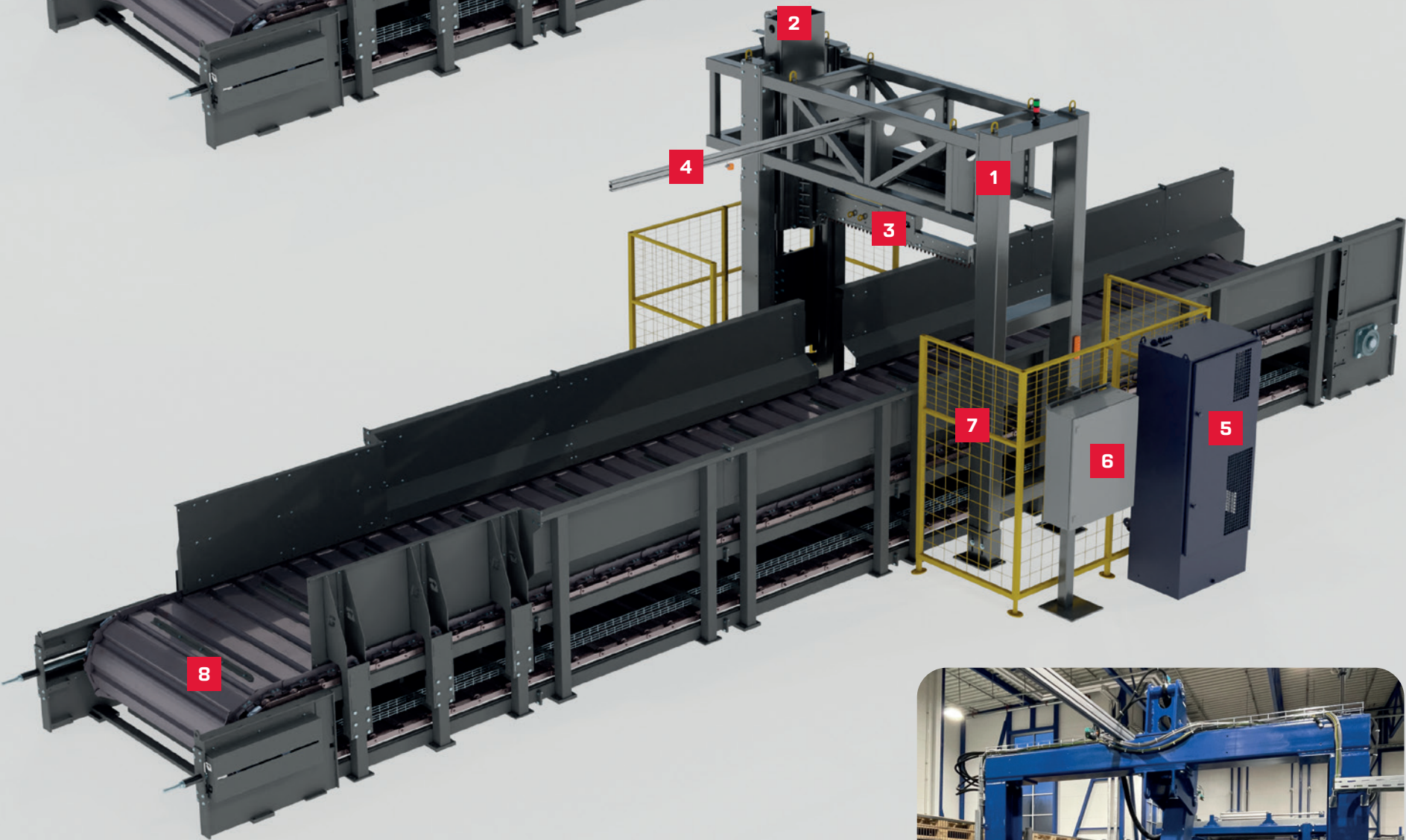
- 5

**HYDRAULIC UNIT**  
All hydraulically operated functions are reliable, efficient, and easy to maintain. The hydraulic unit features easy access for service, built-in noise reduction, and efficient cooling. Its flexible placement options allow for optimal layout within the facility.
- 6

**ELECTRIC CABINET + CONTROL PANEL**  
An integrated online modem enables remote troubleshooting, software updates, and control of all programmable components. A high-resolution touchscreen can be positioned separately from the electric cabinet for easy access. Daily operation, monitoring, and adjustments are intuitive and user-friendly.
- 7

**SAFETY FENCES**  
Safety fences are included in every delivery and meet all required safety regulations. Optional opening fences are available to enhance accessibility and maintenance convenience.
- 8

**CONVEYORS**  
Wire Cutters can be easily retrofitted into existing lines. If needed, Cross Wrap offers a range of conveyor options to ensure seamless material flow and smooth integration with your process.





# TECHNICAL SPECIFICATIONS

## ROTARY CUTTER [RC]

Capacity.....Up to 60 bales / hour  
Bale size.....W 900-2500 mm / 2.95-8.20 ft, H 600-1400 mm / 1.97-4.59 ft, L 500-1400 mm / 1.94-4.59 ft  
Bale weight.....200-2000 kg / 440-4400 lbs  
Hydraulic unit.....15 kW / 20 hp  
Max pressure.....190 bar / 2755 psi  
Oil capacity.....200 l / 53 gal

Cuts wires perpendicular to the line.

## LINEAR CUTTER [LC]

Capacity.....Up to 40 bales / hour  
Bale size.....W 600-1400 mm / 1.97-4.59 ft, H 600-1400 mm / 1.97-4.59 ft, L 500-2500 mm / 1.94-8.20 ft  
Bale weight.....200-2000 kg / 440-4400 lbs  
Hydraulic unit.....15 kW / 20 hp  
Max pressure.....190 bar / 2755 psi  
Oil capacity.....200 l / 53 gal

Cuts wires parallel to the line.

## CROSS CUTTER [XC]

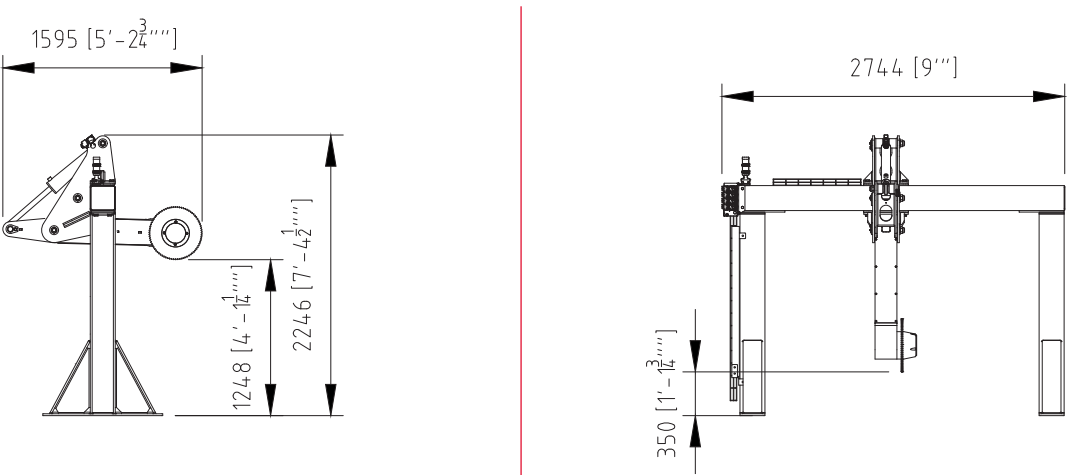
Capacity.....Up to 40 bales / hour  
Bale size  
Perpendicular wires: .....W 900-2500mm / 2.95-8.20 ft, H 600-1400 mm / 1.97-4.59 ft, L 500-1400 mm / 1.94-4.59 ft  
Parallel wires: .....W 600-1400 mm / 1.97-4.59 ft, H 600-1400 mm / 1.97-4.59 ft, L 500-2500 mm / 1.94-8.20 ft  
Bale weight.....200-2000 kg / 440-4400 lbs  
Hydraulic unit.....15 or 22 kW / 20 or 30 hp  
Max pressure.....190 bar / 2755 psi  
Oil capacity.....200 l / 53 gal



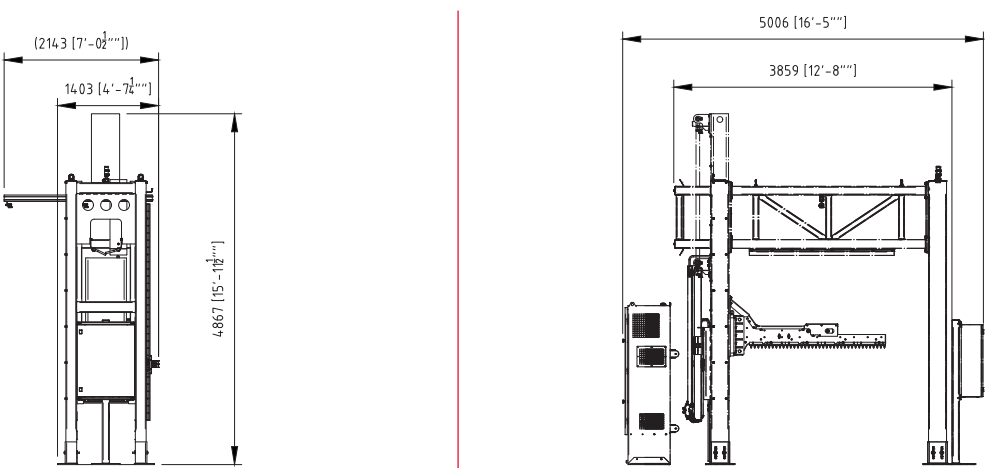
# LAYOUT FOR STANDARD MACHINE

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

## ROTARY CUTTER [RC]

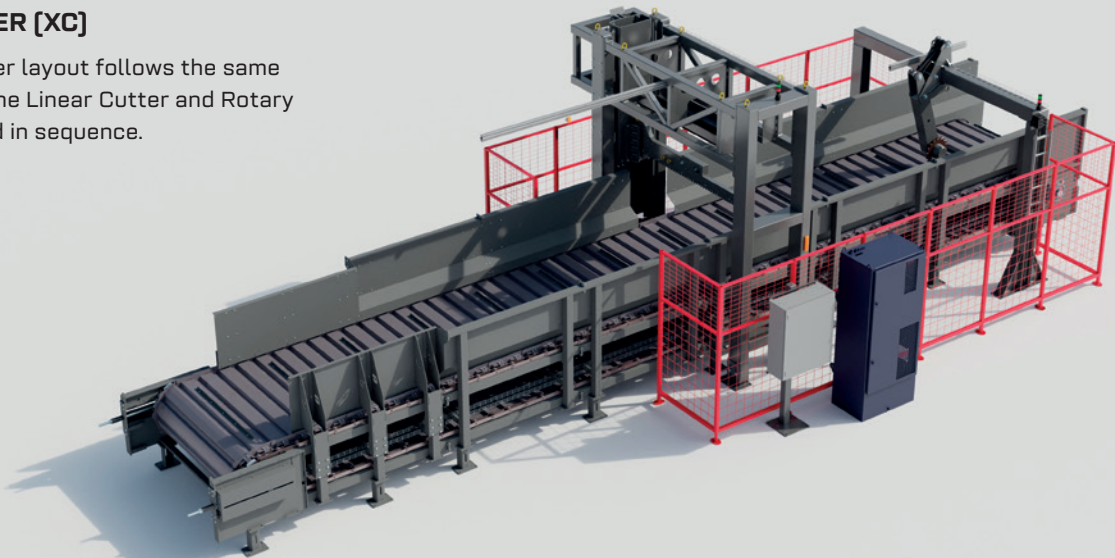


## LINEAR CUTTER [LC]



## CROSS CUTTER [XC]

The Cross Cutter layout follows the same principle, with the Linear Cutter and Rotary Cutter arranged in sequence.



# 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.