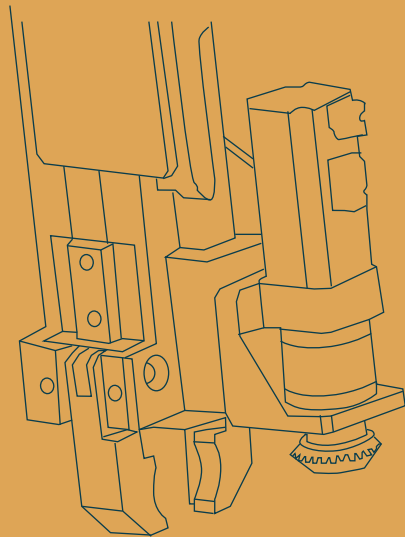


# VIRE WINDERS

Boost your performance.



**Equipment safety issues are at a much higher level compared to major international competitors.**

Kai Vesala, Operations manager at Rani Plast Ltd.

VIRE plastic film winders help you meet the highest safety standards with great usability and reliability. Our selection ranges from basic surface models to fully automatic center winders with gap winding option. Boost your extrusion with multiple inline slitting capability, automatic roll change and integrated robotic system for handling of winding shafts, winding cores and finished rolls.

## FULLY AUTOMATIC

Extron VIRE Multi is designed for fully automated plastic film winding. Latest digital drive systems are easy to operate, and intelligent monitoring and tracking keep the whole process under control.

## IMPROVE SAFETY

Increased automation level will help you meet the highest safety standards. It also frees up the resources of your professionals for other important work tasks.

## SUITABLE FOR MOST FILM TYPES

Extron VIRE winders are suitable for wide range of different film structures. Thanks to our intelligent design expertise, you get exactly the features you need.

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## VIRE C WINDER

**VIRE C** is an efficient winder for small and medium size 1 and 3 -layer blown films. It provides printable roll quality for a wide variety of film materials. Thanks to the individual design, flexible length cutting options are available.

## TECHNICAL SPECIFICATIONS:

- Web width 500 - 2400 mm, roller width 2500 mm
- Max. speed 120 m/min
- Roll diameter 200 - 1000 mm
- Film thickness 10 - 400  $\mu\text{m}$
- Web tension 50 - 500 N
- 3" and/or 6" winding shafts

## FEATURES:

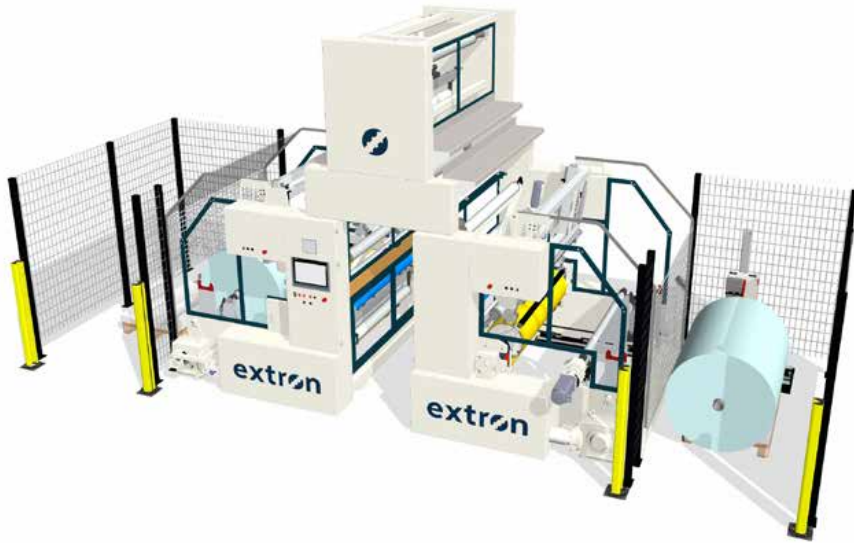
- Safety fences with light curtains around the winder
- Back-to-back, face-to-face or one-sided winder setting
- Front nip with side opening
- Contact winding technology
- Pneumatic flying knife for cutting
- Shaft handling with manipulator and roll changing arms
- Oscillating length cutting
- Extra nip for trim handling as an option
- Automatic roll carrier as an option
- Controlled by Siemens automation
- VASTE data cloud service compatible

## EQUIPMENT & FUNCTIONS:

- 1. Front nip:** Integrate to line speed
- 2. Winders A and B side:** Back-to-Back setting
- 3. Manipulator A and B side:** Holds winding shaft
- 4. Manual winding shaft crane:**  
For returning shaft back to machine
- 5. Manual core loading station:** New cores loaded into shaft
- 6. Safety fencing:** Smart safety zones that consider safety, production and maintainability

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## VIRE M WINDER

**VIRE M** is designed for medium and very wide size multi-layer blown films. It provides printable roll quality for a wide variety of film materials. Thanks to the flexible design, length cutting options are available for up to 8 rolls.

## TECHNICAL SPECIFICATIONS:

- Web width 1500–3400 mm, roller width 3500 mm
- Max. speed 160 m/min
- Roll diameter 100–1000 mm
- Film thickness 10–400  $\mu\text{m}$
- Web tension 50–500 N
- 3" and/or 6" winding shafts

## FEATURES:

- Safety fences with light curtains around the winder
- Back-to-back, face-to-face or one-sided winder
- Front nip with side opening
- Contact, Central, Gap and Combination winding technologies
- King roll with large diameter enables stable process
- Fast servo flying knife for cutting
- Shaft handling with manipulator and roll changing arms
- Oscillating length cutting as an option
- Tension controlled with pendulum rollers
- Extra nip for trim handling as an option
- Automatic roll carrier as an option
- Controlled by Siemens automation
- VASTE data cloud service compatible

## EQUIPMENT & FUNCTIONS:

1. **Front nip:** Integrate to line speed
2. **Winders A and B side:** Back-to-Back setting
3. **Manipulator A and B side:** Holds winding shaft
4. **Fully automatic shaft returning arms:** For returning shaft back to machine
5. **Lowering arms:** For ready roll ejecting
6. **Safety fencing:** Smart safety zones that consider safety, production and maintainability (all not shown in picture)

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## VIRE STRETCH WINDER

**Extron VIRE Stretch** is designed for fully automatic plastic film winding. Silo Stretch Winder is optimized for 750 mm silo stretch rolls with its maximum 3400 mm width. Four rolls per side allow production line speed of 160 m/min. Fully automatic core and roll handling make the machine safe to the highest standards.

## TECHNICAL SPECIFICATIONS:

- Web width max 3300 mm, roller width 3400 mm
- Max speed 160 m/min
- Roll diameter 200–300 mm
- Film thickness from 20 µm
- Web tension 10–300 N
- 3" winding shaft

## FEATURES:

- Face-to-face winder with double front nip
- Contact, Central, Gap and Combination winding technologies
- 2 + 2 nips for length cut
- Flying knife for cutting
- Automatic shaft handling with manipulator and roll changing arms
- Automatic core handling with robot, glue station and core magazine
- Automatic roll handling with conveyors, customer specific
- Controlled by Siemens PLC with touch screen
- VASTE data cloud service compatible

## EQUIPMENT & FUNCTIONS:

- 1. Front nip (double):** Integrate to line speed
- 2. Winders A and B side:** Face-to-Face setting, with big king roll and double cutting nips
- 3. Manipulator + conveyor:** Fully automatic. Handles winding shafts and ready rolls
- 4. 6-axis robot for core handling:** Core (both carton and plastic) magazine, manual loading
- 5. Glue station:** Sprays glue on the core for a new roll
- 6. Safety fencing:** Smart safety zones considering safety, production, and maintainability

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