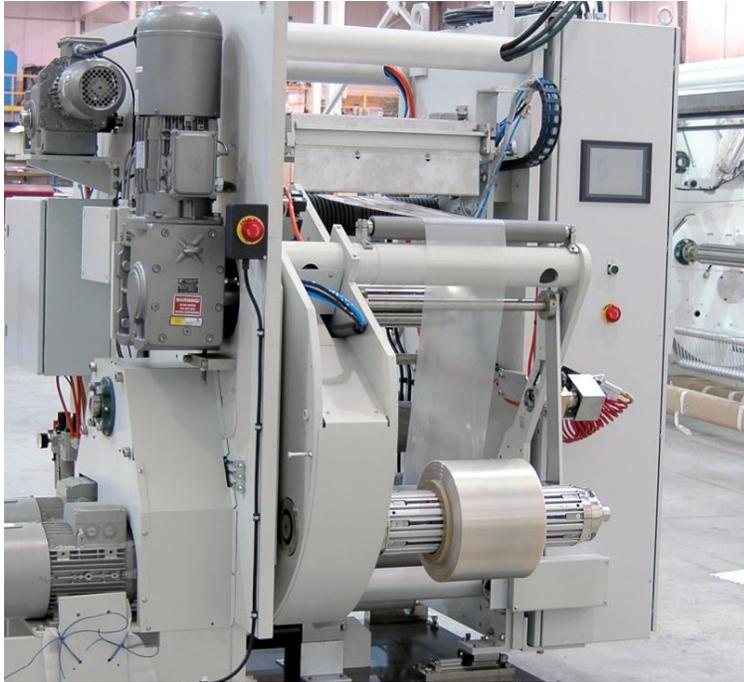


# High Speed Unwind-Rewind System

Fully Automated Solution for Off-line Surface Treatment



## Key Features:

- High Speed cutovers
- Fully automated operation with synchronized roll transfer sequences
- Innovative winding technology produces high quality rolls with zero scrap roll transfers
- Can be used for tubular film and sheeting

## Applications:

- Food packaging
  - E-beam treatment of shrink films

To achieve a final product with optimum properties it is often required to perform off-line treatment, such as e-beam cross linking to improve shrinkability, puncture resistance and stability.

Macro's High Speed Unwind-Rewind System provides processors with an efficient means to perform these tasks by combining automation with advanced web handling technologies.

The system features a fully automatic turret winder and fully automatic turret rewinder. Because they are both designed with two spindles, they can be operated continuously without interruptions caused by roll loading and unloading.

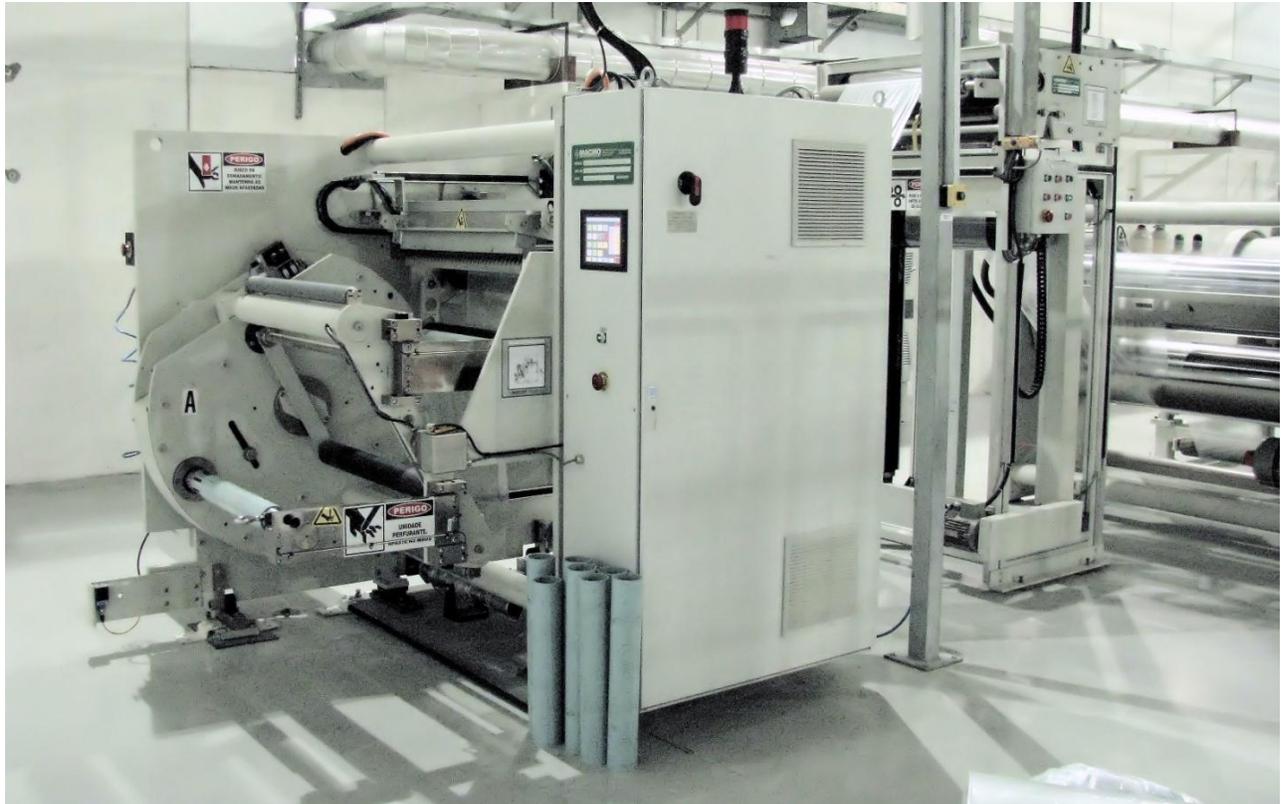
Splicing of the unwinding rolls and winder cutovers are handled by the line software to ensure they are synchronized.

This allows the system to minimize the amount of scrap generated as the spliced area is always left at the end of rewound rolls for easy removal.

In addition to state-of-the-art winding and unwinding equipment, Macro's High Speed Unwind-Rewind System is also equipped with a degassing unit and a chill roll unit to remove trapped gases in tubular films and cool the web following treatment.

# High Speed Unwind-Rewind System

Fully Automated Solution for Off-line Surface Treatment



Model	UR-800-1	UR-800-2	UR-1600
Face Width (mm)	800	800	1600
Film Thickness Range (µm)	40 - 100	40 - 100	40 - 100
Passes Through Treater	1	2	1
Maximum Line Speed (m/min)	200	200	200
Maximum Roll Diameter (mm)	760	760	760
Airshaft Diameters (mm)	76	76	76, 152
Edge Guide	Oscillation Type		



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