

Full electrostatic control on high speed slitting/rewinding machinery

Slitting/Rewinding is a process to cut different type of jumbo roll's with various material-width to narrower sizes at (very) high speed. This technique is suitable for several materials like paper, plastic film, flexible packaging, fabric or textile. The web is unwound and run through the slitter/rewinder, passing adjustable cutting knives, before being rewound on one or more shafts to form narrower rolls.

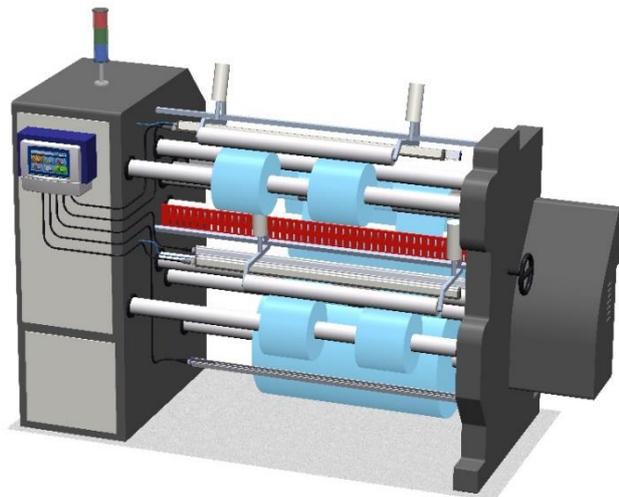


Slitting/rewinding your foil is usual business nowadays, because of the high speed and the number of rollers (friction), static electricity can create major problems.

Immediately after the slitting operation and before the winder, [24V Performax \(IQ\) Easy Speed anti static bars](#) will be installed. These static elimination bars will neutralise the static electricity generated during the previous unwinding and slitting process and will prevent:

- New generated static during winding
- Attraction of (cutting) dust
- Employees getting shocks from static discharges
- Telescoping effect on your slitted rolls

If a predefined low static level on the end-product is required, an in-line measurement system can offer this solution. To achieve this a [Simco IQ Manager System](#) can offer real-time managing and monitoring options with a full controlled Closed Loop Feedback system (CLFB).



This system monitors and controls all connected static eliminators and can be directly connected to the machine PLC via Fieldbus connection. This provides all information about efficiency and required maintenance of the static eliminators, as well as the static charge including alarms. [In-line measuring](#) and datalogging of electrostatic charge levels can be used in quality reporting.

These options contribute to increase static control of the process, operator safety and product quality, which all together results in high quality competitive slitting and rewinding.

Interested to learn more about the effect of static electricity?

Please visit www.simco-ion.co.uk or subscribe to the [Simco Europe Youtube channel](#)