

MISTRAL+ FILM

- Tailored made spectrometer using all information in the NIR range and Focused Ligth System
- Pellenc ST Turbosorter air stabilization system
- Special ejection box
- Compressed air regulator
- Ligth object, filter and jam blowers
- External AC power supply



OVERVIEW

Pellenc ST offers a full sorting solution for plastic films at both the MRF and Recycling stages. Films can be separated at the MRF level from other plastic containers, including rigid PE containers. Plastic films can also be purified from contaminants at the recycling level, removing contaminants such as PP+PVC, Fibers, Metal, PS, HDPE (rigid), and nylon ropes. The Mistral+ Film machine can easily make distinctions between films made of PE, PP, and PVC thanks to the specialty and unique designed Mistral+ spectrometer and focus lighting system. The patented designed spectrometer allows Pellenc ST to achieve performances in the plastic film market that are unmatched by the rest. The Mistral+ Film machine also uses the Pellenc ST Turbosorter which stabilizes light weight objects at high speeds for accurate sorting.

APPLICATIONS



Sorting Facilities: MRF



Recycling Facilities: Film

SPECIFICATIONS

Width of machines	1200 - 2800 mm
Throughput	Up to 2.5 tons/Hour
Material size	50 - 400 mm (optimal)
Film thickness	Down to 10 - 15 µm
Purity	Ejecting PE film: up to 90% pure
Efficiency	Ejecting contaminants: up to 91% efficiency

The Pellenc ST Turbosorter is a unique air stabilization system that creates a linear air flow at a precisely controlled speed to stabilize light weight objects while keeping a high throughput and accurate sorting with these materials.

