

AI SORT

Powering sorting with NIR & AI

Dedicated to **Food/Non-Food** grade and cleaning



PET F/NF



PE F/NF



PS F/NF



PP F/NF



UBC



HDPE CLEANING



HIGH-PRECISION SORTING

Separation of **food & non-food plastics grade** and **aluminium grades** using **AI+RGB+NIR/VIS**



INCREASED RECOVERY

Reduction of false rejects and **yield improvement**, preserving valuable materials in the correct streams



QUICK & EASY INTEGRATION

Installation directly on existing **Mistral+ CONNECT & COMPACT+** with no layout change or footprint expansion



FUTURE-PROOF & ADAPTABLE

Continuously updated AI models to keep pace with evolving packaging and regulations



RELIABLE & SUPPORTED

Backed by expert service, sensor fusion technology and **ongoing model upgrades**



BY YOUR SIDE AT EVERY STEP

Local Support with **skilled technicians & 24/7 tele assistance**



“ The main issue we aim to address concerns contaminants found in the polyethylene stream, such as diving fins, flip-flops, or sneakers. Thanks to the artificial intelligence module developed by Pellenc ST, we have enhanced the quality of our products and increased production capacity without requiring additional employees.



With Pellenc ST's AI technology, we have been able to meet our customers' requirements, earn their trust, and now avoid any potential quality-related claims.

Javier BALLESTEROS
Plant Industrial Director **eslava plásticos**

OPTIONS



Dual Eject



Metal Sensor



Standard: 25mm



High Resolution
12,5mm



Multi-Channel
Management

SMART & SHARE



Smart data:
local & cloud ready



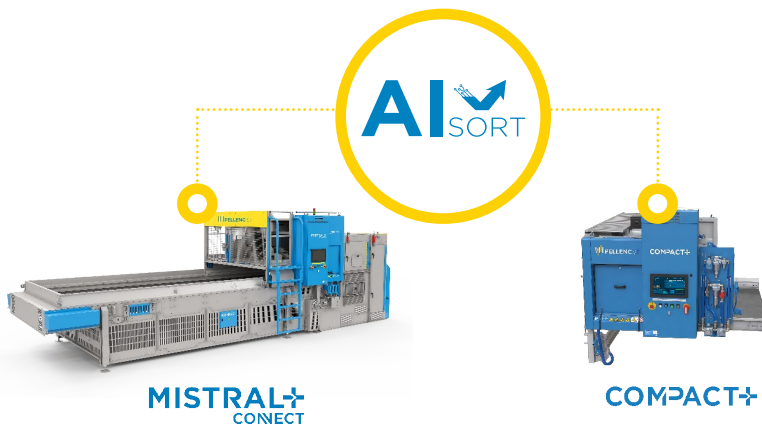
Quasi real-time data,
OPC UA ready



Ergonomic
dashboards



Customised
reports



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