

NIR Excellence: AI-driven sorting for HDPE fraction!



Reinforce quality grade for the HDPE fraction



- + Based on the unique FLOW™ spectrometer
- + Combined with Deep Learning classification
- + Shape recognition
- + Detection very close to the ejection

Easy & fast to implement

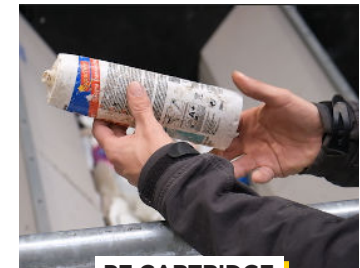


- + No additional Hardware
- + In-house Software: independent solution
- + Pre-trained model: ready to sort before commissioning

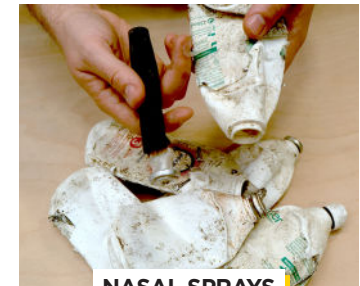
Low operational costs



- + No further maintenance required
- + No remote data storage required



PE CARTRIDGE



NASAL SPRAYS

FLOW™ DETECTION

- Universal & unique spectrometer for all sorting applications
- Coverage of the entire NIR/VIS spectrum
- Focused light for a more accurate signal
- Better signal to noise ratio

SERVICE

- Local support with skilled technicians
- 24/7 tele-assistance, 7j/7
- Expertise based on data
- Parts available quickly

SMART & SHARE



- Included with the Mistral+ CONNECT
- Quasi real-time data, OPC UA ready
- Ergonomic dashboards
- Customised reports



“ HOW DOES IT WORK? ”

« The CNS BRAIN Innovation complements traditional sorting technologies. It combines object shape recognition with NIR/VIS spectral information on material and color. Specific objects, such as silicone cartridges or nasal sprays containing a PVC or rubber pocket, are then detected to increase the performance of our optical sorters. »

Kévin ALAZET
Product Owner Artificial Intelligence



- 3 Silicone Cartridges & Nasal Sprays identification
- 2 **CNS BRAIN**
Smart classifier based on a neural network
- 1 Analysis at pixel level

Machine range & upgrades

MISTRAL+
CONNECT



COMPACT+



Options

- Dual Eject
- Top Speed
- Standard: 25mm
- Multi-Channel Management
- Metal Sensor
- High Resolution: 12,5mm