CNS BRAIN

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

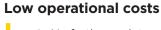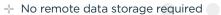### Easy & fast to implement

- 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

SMART & SHARE

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

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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

CNS BRAIN

2 Smart classifier based on a neural network

1 Analysis at pixel level

Machine range & upgrades

MISTRAL+ CONECT

FUTURE PROOF

COMPACT+

Options

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