PELLENC ST
WE CAN SORT IT

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

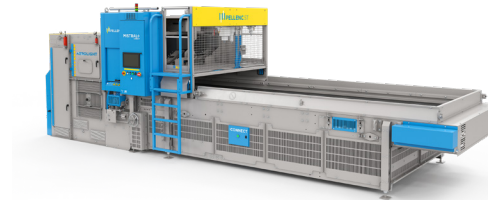**2** Smart classifier based on a neural network

1 Analysis at pixel level

Machine range & upgrades

MISTRAL+ CONNECT

FUTURE PROOF

COMPACT+

Options

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

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