

CNS BRAIN

Innovative solution dedicated to **sleeved PET**
and **PE packaging detection**



HIGHER CLEAR PET & PE RECOVERY & PURITY

- + Combination of NIR/VIS sensors and our Deep Learning technology
- + High Recovery & Purity of sleeved clear PET & PE bottles
- + Close spacing between detection and ejection



QUICK AND EASY TO INTEGRATE

- + No additional hardware and no RGB camera
- + «Ready-to-sort» models (ultra quick start-up)
- + Upgrades available for Mistral+ CONNECT and COMPACT+



ENERGY OPTIMISATION

- + Frugal AI solution (no data storage in the cloud)
- + Very low operating costs

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
- Data driven expertise
- Local spare parts stock

SMART & SHARE



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



“

Today, it's the combination of our sensors and technologies that makes all the difference.

With our **CNS BRAIN** solution and **Deep Learning algorithms**, we are able to sort a greater number of material families, such as PET sleeves.»

Sylvain DUISIT
Chief Technical Officer

Machine range & upgrades

MISTRAL+
CONNECT



COMPACT+



Options



Dual Eject



Multi-Channel Management



Top Speed



Metal Sensor



Standard: 25mm



High Resolution: 12,5mm

Specific use cases

FULL-SLEEVED PET



NIR/VIS

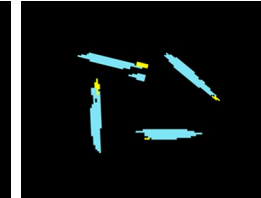


NIR/VIS + CNS BRAIN



- ✓ ☒ PET transparent
- ✓ ☒ PET sleeved
- ✓ ☒ HDPE
- ✓ ☒ PET colored

HALF-SLEEVED PET



DIRTY PET BOTTLES



HDPE BOTTLES WITH PETg SLEEVES

