

PLASTIC RECYCLERS

**OBTAIN A PLASTICS STREAM
THAT IS CLOSE TO 100% PURE**

• **ELIMINATE
ALL CONTAMINANTS**

• **SORT PLASTICS
BY COLOUR**

• **OVER 70% OF RECYCLERS USE
PELENC ST EQUIPMENT**

PELENC SELECTIVE TECHNOLOGIES

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MORE INFORMATIONS

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PELENC
selective technologies

PLASTIC RECYCLERS

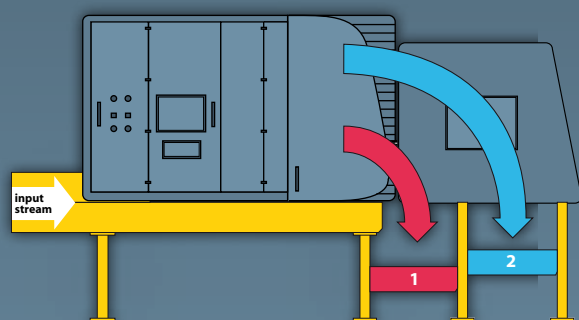
ACHIEVE THE LEVEL OF PURITY
REQUIRED BY THE BOTTLE-TO-
BOTTLE INDUSTRY

examples of process

Recover PET

Mistral + metal detector

> Contaminated PET stream

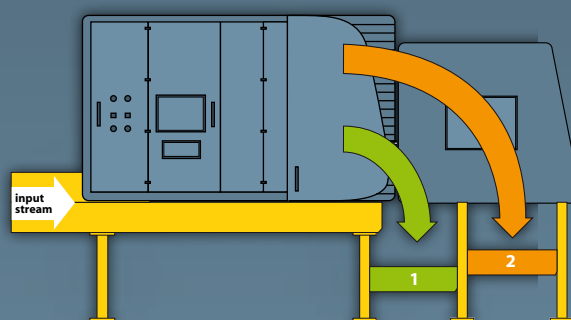


→ Contaminants : Metal, PVC, PP → PET

Sort polymers by colour

Sirocco

> Ejection of coloured polymers



CASE 1 : → clear PET → coloured PET
CASE 2 : → natural PE → opaque PE

Eliminate undesired polymers:

- PVC and PVC labels
- Unwanted polymers

Eliminate metals:

- Ferrous and non-ferrous (bottle caps, springs, etc.)

Sort by colour:

- Sort transparent, blue, green, brown and opaque plastics



Technical Characteristics

Technologies: (upgradable and combinable)	NIR, Vision, Induction
Capacity:	up to 6 t/hour depending on the stream
Working width:	from 800 to 2800 mm as standard, other sizes available upon request
Granulometry of sorted objects:	from 10 to 350 mm depending on the machine model

Optimum efficiency, even for rolling objects, thanks to short distance between detection and ejection.