

# Mogensen MikroSort® AF 0916

## Objective:

Sorting of PET-Flakes

By sorting out off-colours, distracting material and metal particles, a final white, transparent product containing less than 50 ppm off-colour is obtained.

The final product may be used in the food industry (bottle to bottle) if pre-treated accordingly as well as in the foil and fibre industry .

|                    |                               |
|--------------------|-------------------------------|
| Sorting material:  | PET-Flakes                    |
| Grain size:        | 0 - 12 mm                     |
| Quantity:          | up to approx. 4000 kg/h       |
| Initial quality:   | up to 10% off-colour          |
| Rejected quantity: | up to 8000 rejected parts/sec |
| Product quality:   | < 50 ppm off-colour           |
| NE+ Fe-metal:      | > 0,5 mm                      |



The **MikroSort® AF** was especially designed for the sorting of fine plastic particles.

It is equipped with a CCD-colour line scan camera and an all metal detection working parallel.

Distracting material, off-colours and fine metal particles are rejected with compressed air, using extremely fast working compressed-air valves.

The complete structure of the machine is especially suitable for the sorting of fine, light plastic parts, i.e. PE, PP or PET. Dividing the machine allows an optimisation of the sorting programmes for different grain classes or a two-step sorting of the material with different programme settings.

Finest distracting material and slightest colour differences are detected and rejected with the utmost efficiency.

Due to the high specific quantity, small over-sorting and low air consumption, the machine works unmatched economical.

# Example of a PET flake sorting line



Feed material:  
PET flakes 2500 kg/h  
2% off-colour and distracting material

