

OPTICAL SORTING BY REDWAVE



REDWAVE NIR-R, NIR-T & C are high speed and high capacity optical sorting systems for plastics. Plastic containers and films of different qualities and colors are fed over the sorting width and depending on the type of machine (R, T or C) the material is identified by means of NIR spectroscopy or a linear camera system. The powerful blow out unit is able to separate single parts of various sizes.

REDWAVE C

REDWAVE C is equipped with a camera system to recognize brown and unprinted cardboard.



REDWAVE NIR

REDWAVE NIR recognizes material by near-infrared spectroscopy. The sensor identifies the material by its specific reflection properties. In addition, the REDWAVE Sorter can be equipped with a metal detector in order to identify and reject ferrous and non-ferrous metals.

The REDWAVE sorter can be equipped with a metal detector in order to identify and reject ferrous and non-ferrous metals.

REDWAVE Separation of Contaminants

In the first step of optical collect processing the REDWAVE 1000C and 1300C separate ceramics, stones, porcelain, ferrous, and non-ferrous metals from the material stream.



REDWAVE Colors Sorting

In the second processing step the REDWAVE is used either for color improvement of presorted flint, green, or amber glass, or full color sorting of mixed broken glass.

REDWAVE is Intelligent, Efficient & Reliable



REDWAVE Optical Sorting for Efficient Separation of:

Plastic Containers • Films • PE • PET • PVC • PP • PS • Tetra Pak
News Magazines • Brown & Gray OCC • Mixed Paper
Ceramics • Stones • Porcelain • Metals

REDWAVE NIR-T

Material identification by NIR and transmission

REDWAVE NIR-R

Material identification by NIR and reflection

REDWAVE C

Camera for color image sorting

REDWAVE M

Metal detection

REDWAVE Reduces Costs in Sorting Recyclables

- Reduced Labor
- Increased Reliability
- Increased Recovery



Karl W. Schmidt
ASSOCIATES, INC.

3900 East 68th Avenue • Commerce City, CO 80022 • Ph: 303-287-7400 • Fax: 303-287-7474 • www.karlschmidt.com