

ColorPlus™

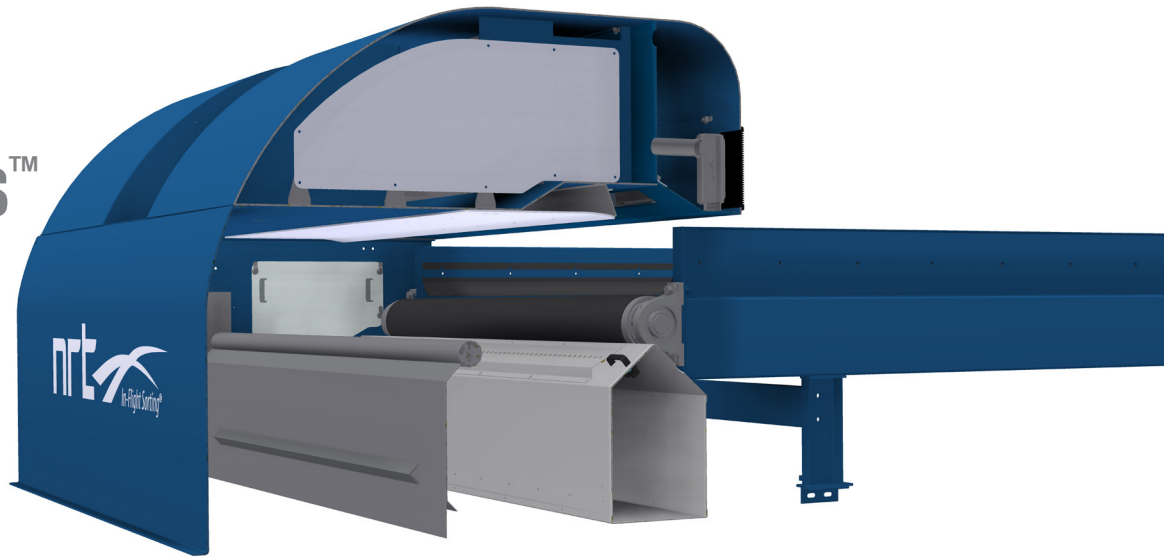
VIS/RGB  *In-Flight Sorting®*

Overview The NRT ColorPlus™ Imaging System is an advanced image processing system designed to target and sort materials based on color analysis and sophisticated object recognition. Powerful high-speed processors and proprietary recognition algorithms analyze color, transparency, opacity, and object boundaries including opaque analysis and label recognition for precise object targeting. The ColorPlus' high resolution detection combined with NRT's In-Flight Sorting® technology and proprietary software allow the ColorPlus to distinguish the correct bottle color when only 1% of the material is visible.



nrt

ColorPlus™



VIS/RGB *In-Flight Sorting®*

Technology

In-Flight Sorting® enables use of transmissive detection for robust signal

RGB Line scan camera scans 5,000 times/second to analyze VIS color with up to 2048 pixel resolution

Object-tracking algorithm scans boundaries to identify valid areas and target ejection point

Operator-friendly color touch screen graphic control panel

Applications

Remove opaque PET, metal cans and other opaque object from PET stream

Sort operator selected colored PET bottles from clear PET

Sort blue bottles from clear bottles without label error

Sort labeled bottles from non-labeled bottles

Separate HDPE from natural HDPE or sort HDPE by color

Features

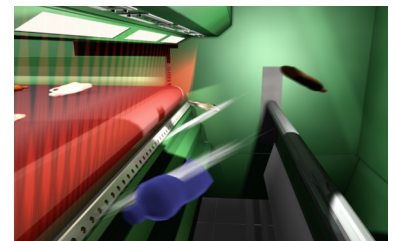
In-Flight Sorting® provides industry leading purity and hit rates

High speed identification with throughput rates exceeding 7 tonnes per hour

Low maintenance requirements, self-cleaning optical path

Remote diagnostics, adjustments and upgrades

Width sizes from 915 mm to 2750 mm



In-Flight Sorting®

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