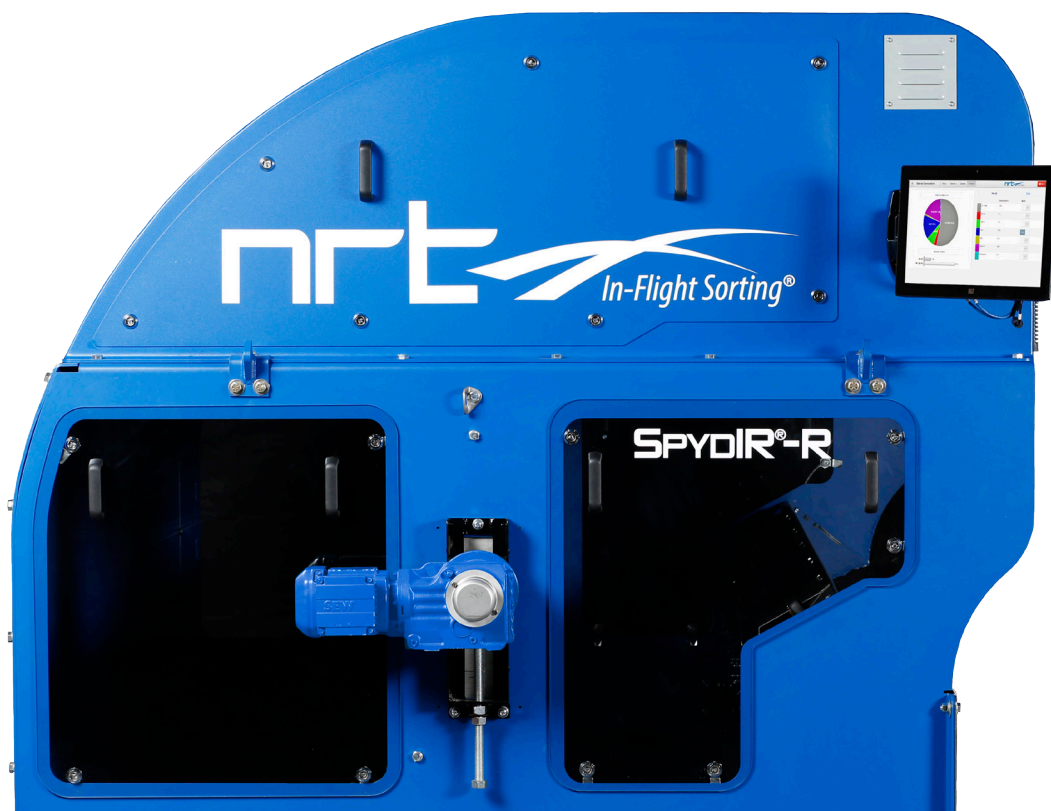


SpyDIR®-R



Overview The SpyDIR®-R is an advanced infrared sorting system that separates numerous polymers, fiber or plastic film from other materials. It uses proprietary technology and fast, highly sensitive algorithms to rapidly identify unique material signatures from their infrared spectra. SpyDIR® is the only technology that uses NRT's patented PET Boost™ to improve detection of thin-wall, wet and full-sleeve labeled PET. While other optical sorters detect material over the belt and eject sometime later, NRT offers In-Flight Sorting®, which detects and ejects material in flight. In-Flight Sorting® enables the use of reflective detection, continuous auto-calibration, and eliminates motion-related error and belt interference, increasing hit rate and purity levels.



SpydIR®-R



Technology

NIR identification of multiple polymer types

Proprietary infrared sensing technology and algorithms for rapid detection

PET Boost™ technology improves detection of thin wall PET, wet PET and full sleeve PET

Operator-friendly color touch-screen graphic control panel

Applications

Sorts 1-7 plastics in any combination

Separate WEEE plastics into user-defined polymer groups

Recover clean PET product from polymer residue streams for return to main PET stream

Polymers identified include PVC, PS, PETG, PLA, PC, PE, PP and other polymers in any combination

Recover wood product from C&D streams

Sort Tetra Pak®, aseptic and PE coated gabled products from a container stream

Remove cardboard, paper, and other fiber from a container stream

Features

In-Flight Sorting® provides unbeatable purity and hit rates

Industry leading signal-to-noise ratio is ideal for thin-wall PET

High speed identification with throughput rates exceeding 16,000 lb/hr

Remote diagnostics, adjustments and upgrades

Width sizes from 36" to 120"

