



**TruSort<sup>®</sup>**  
with **DXRT<sup>™</sup>**

**nrt** In-Flight Sorting<sup>®</sup>

**X-Ray** In-Flight Sorting<sup>®</sup>

**Overview** NRT was the first to sort PVC from mixed plastics using X-ray technology in the early 1980s. Today, NRT continues to lead the industry in X-ray technology for a variety of applications. NRT has partnered with Spectramet<sup>®</sup> LLC to develop TruSort<sup>®</sup> with DXRT<sup>™</sup>, an advanced dual energy X-ray sorting system designed to separate materials at high throughput rates according to composition. The dry process uses patented imaging technology that electronically identifies material at the atomic level regardless of surface composition. The TruSort<sup>®</sup> with DXRT<sup>™</sup> is a proven precision sort system with low product loss and high product purity.

**nrt**



**TruSort®**  
with **DXRT™**



**X-Ray** *In-Flight Sorting®*

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**Technology**

In-Flight Sorting® for most precise detection and ejection available

Proprietary high sensitivity algorithms for rapid identification

Elemental identification by effective atomic number

Average reading of entire material regardless of surface

High speed precision air ejection

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**Applications**

Organic Waste

Flame retardants/PVC

Auto Shredder Residue (ASR)

Metals Recycling

CRT Glass

Electronic Scrap

Mining

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**Features**

Dual energy X-ray system detects even non-visible material

High throughput process

Highest resolution

Proven precision sort system with low product loss

Touch screen operator interface

Major components are on a roll-out platform for easy maintenance and access

NRT Connect™ for continuous performance monitoring with real-time information and automated alerts from equipment controls

Throughput up to 100 tph, depending on material density

