



What's next.

**Single Stream
Recycling Systems**



BHS: A Single Leader

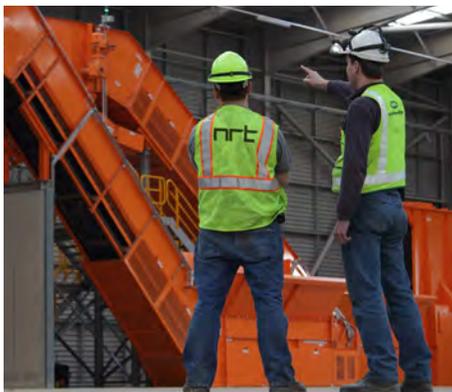
A History of Innovation

In the mid-1980s, BHS made single stream recycling possible with our proprietary in-line Tri-Disc™ screen. We applied this technology to create the first incline screen that allowed containers to tumble down, fines to fall through and fiber to climb over. This was the birth of the modern BHS Polishing Screen, an industry icon, and to this day the single most effective piece of recycling equipment for separating containers from fiber.

BHS Today

BHS is designing, manufacturing and integrating systems around the world, but one thing remains the same: We build the most effective screens in the industry and back them up with first-class service and support. As we gained experience as system integrators, we widened our portfolio to collaborate with other technology leaders and providers of best-in-class equipment – namely Nihot and NRT – companies that are now included in the BHS family.

We are building some of the largest and most advanced single stream facilities in the world, and they're achieving the highest recovery and purity rates in the industry. Our systems are built to last; not only is our equipment robust and durable, but our veteran service team is there for you 24 hours a day.



With BHS You Can Expect

Turnkey solutions from a single source

Proprietary best-in-class technology

Robust and dedicated design, engineering and project management teams

Purity rates as high as 99%

Industry's highest tons-per-labor hour

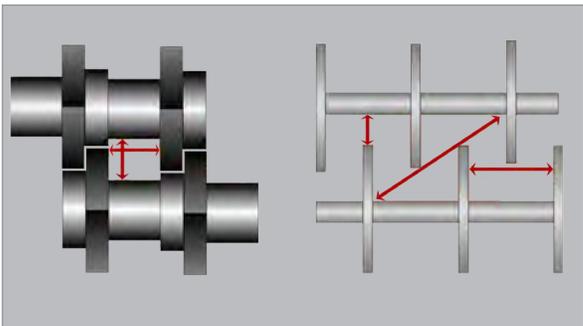
Preventative maintenance and 24/7 support

Collaboration from a team of experts passionate about customer profitability





Technology Overview



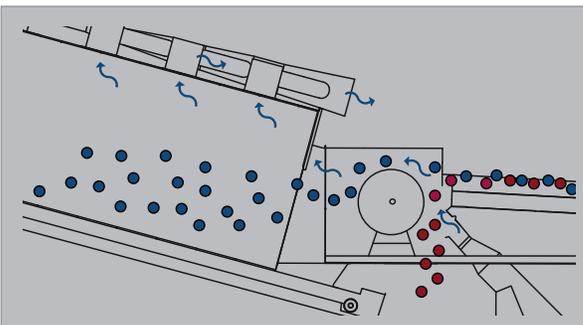
BHS Tri-Disc™

BHS screens have precise openings for accurate material sizing. Conventional disc screens have uneven openings that cause inconsistent material sizing and material wrapping.

Industry's most accurate material sizing

Superior throughput and agitation in smaller footprint than trommels

Minimal wrapping and clogging



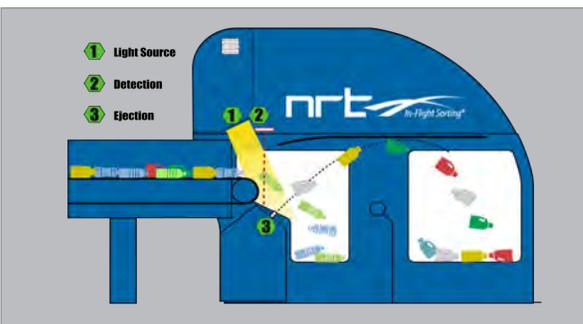
Air Separation

With more than 65 years' experience and 750 reference sites, Nihot has perfected air separation technology.

Most efficient removal of light material from glass

Extremely high separation efficiency at high throughput

Durable and reliable with minimum maintenance and low operating costs



In-Flight Sorting®

While other sorters typically detect material over the belt and eject sometime later, NRT's In-Flight Sorting® technology detects and ejects off the belt while the material is in flight, achieving superior purity and hit rates.

Reduces motion-related error

Eliminates signal error from belt interference

Full array of spectrometers allows for identification across entire belt width

Enables transmissive detection for robust signal and accurate detection

Highlighted Equipment



BHS OCC Separator®

Effectively removes OCC from newspaper, mixed paper, containers and residue

Patented double and triple deck waterfall for superior material agitation

Disc design minimizes wrap, lowers maintenance costs and increases disc life

High throughput and product capture rates



BHS Debris Roll Screen®

Provides industry's most accurate and efficient material sizing

More effective than a trommel screen in a smaller footprint

Timed DRS® discs minimize jamming and offer superior agitation

Durable steel casting hardened to 400+ Brinell rating



BHS NewSorter®

Separates old newsprint (ONP) from mixed paper and rigid containers

Tri-Disc™ wave-like action effectively liberates containers and small fiber from ONP

Creates paper mill ready ONP with minimal post sort

Extremely high throughput with low maintenance costs



BHS Polishing Screen

Creates three material fractions: Containers tumble down, fines fall through, fiber and film climb over

Most effective separation of containers from fiber and film plastics

Significantly higher throughput than ballistic separators

Discs virtually eliminate wrapping and downtime and offer industry's longest wear life



NRT SypDIR®

NIR technology to accurately recover a wide variety of plastics, paper, metal, wood and other materials

In-Flight Sorting® and full array of spectrometers provide industry leading purity rates

Transmissive or reflective detection of multiple polymers offers flexibility

Color and metal detection combinations available



NRT ColorPlus™

RGB color line-scan camera technology detects color, transparency, opacity and physical form factors

Transmissive In-Flight Sorting® provides industry's most clear and robust signal

Opaque analysis and label recognition for errorless object targeting

High speed processing and proprietary algorithms detect color and form



The Gold Standard of Integration

70 TONS-PER-HOUR COMMERCIAL/RESIDENTIAL SYSTEM, SUN VALLEY, CA

BHS has united best-in-class brands to develop a reputation as an experienced provider of premium, integrated solutions. We have a history of leadership, evolution and innovation. Nobody has a better track record of starting systems on time, and nobody can beat our systems' performance. Time and time again, BHS has delivered award-winning systems, and as the industry continues to change, we'll be there at the forefront, providing *What's next*.

In addition to BHS in-line screening technology, Nihot air technology and NRT optical technology, BHS designs, manufactures and installs a full line of integrated, best-in-class equipment and controls solutions. Visit bulkhandlingsystems.com for more information.



50 TONS-PER-HOUR COMMERCIAL/RESIDENTIAL SINGLE STREAM SYSTEM, SAN CARLOS, CA



25 TONS-PER-HOUR SINGLE STREAM SYSTEM, APPLETON, WI



25 TONS-PER-HOUR SINGLE STREAM SYSTEM, AUSTIN, TX



What's next.

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