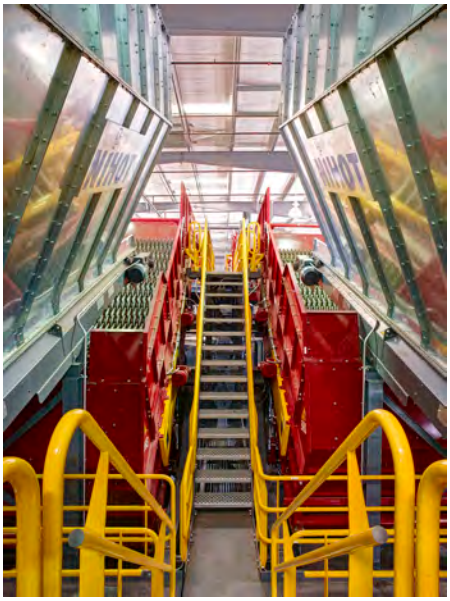
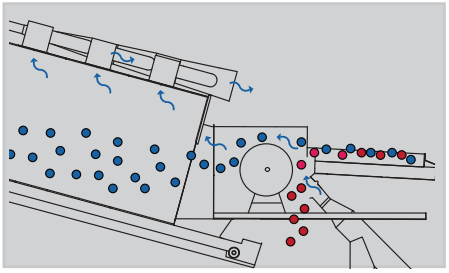
What's next.

Municipal Solid Waste Systems

Nihot Air Technology



NIHOT SINGLE DRUM SEPARATORs



THE NIHOT SINGLE DRUM SEPARATOR USES AIR TO EFFICIENTLY SORT BY DENSITY

Nihot is the proven leader in air separation with more than 65 years in the field and over 750 operational reference sites. This technology can be used on virtually all types of solid waste with the highest degree of separation (up to 99%).

Nihot Drum Separators

Drum separators target the high volume of light material, separating the input into two or three streams.

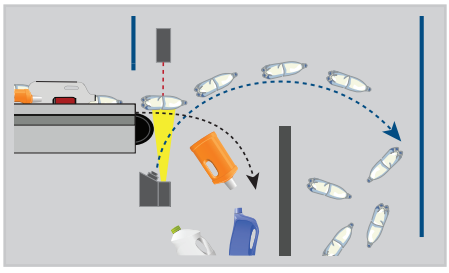
- High throughput of more than 50 tph
- Extremely high separation efficiency
- Negative pressure and recirculated air for precise and dust-free separation
- Adjustable to maximize end product recovery
- Fast return on investment
- Durable and reliable, with minimum maintenance and low operating costs

Other Equipment

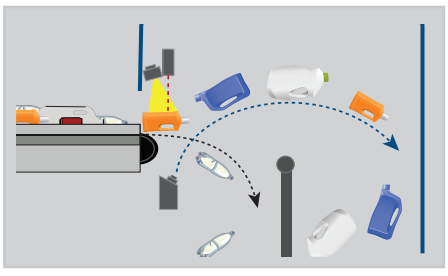
- Windshifters use air and negative pressure to separate based on size and density, and are uniquely designed to operate in a wide variety of conditions and applications
- Dust Filtration Units
- Film Vacuum Systems and Pneumatic Transfers are maintenance free and can handle various materials including film, aluminum cans, PET bottles, paper/cardboard, etc

NRT Optical Technology

MATERIAL IS DETECTED AND EJECTED IN FLIGHT FOR THE HIGHEST PURITY AND HIT RATES IN THE INDUSTRY



TRANSMISSIVE DETECTION



REFLECTIVE DETECTION

In-Flight Sorting®

Utilizes NIR, Color Camera, X-Ray, and induction sensing to accurately identify and recover plastics and a wide variety of other products from the material stream.

In-Flight Sorting® detects and ejects material off the belt while in flight to eliminate motion related error and belt interference

In-Flight Sorting® enables transmissive detection to achieve the highest purity and hit rates in the industry

Reliable, robust equipment with remote diagnostics and service

SpydIR®

Infrared sensing technology to recover a wide variety of plastics, paper, metal, wood and other material in flight.

Transmissive or reflective detection configurations depending on need

Transmissive detection provides cleanest PET streams in the industry, with robust signal, minimal interference and label detection capabilities

MetalDirector™ addition enables machine to eject PVC and metals from RDF / SRF

Adjustable technology, flexible configurations, self-cleaning sensors, remote diagnostics and high throughput capabilities makes the SpydIR® versatile, efficient and reliable

Closing the Loop on Recovery

ZWE Anaerobic Digestion

Complete anaerobic digestion (AD) solutions that can be developed in an urban location.

Low operating and maintenance costs

Highly efficient biogas capture ability with power and heat recovery

Short production cycle can yield high-value compost in as few as 21 days

RDF / SRF

Production of high caloric value fuel as a by-product of our patented sorting process.

Engineered fuel produced to your specifications

Proven technology produces high-value fuel

Compost Sorting

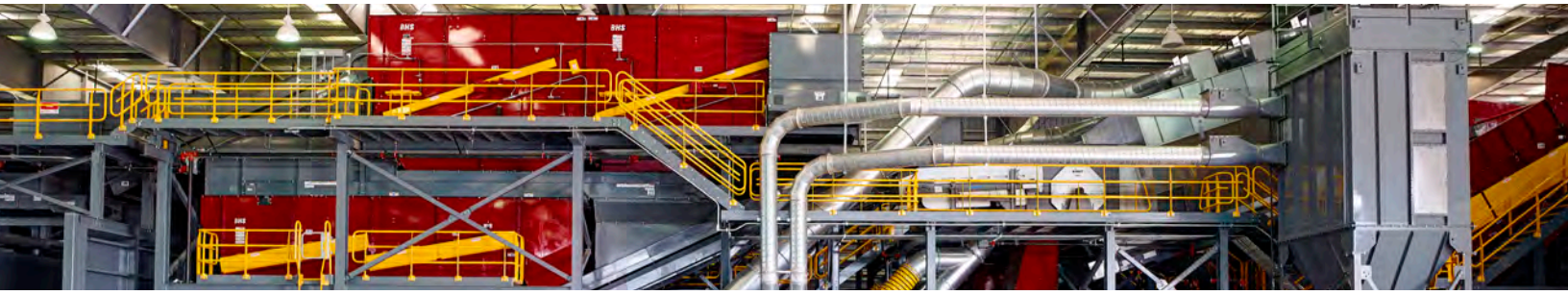
Screening and air separation to produce highly pure compost products.

Portable, skid-mounted designs for outdoor settings

Throughput rates in excess of 50 tph in ¼ the footprint of trommel screens

SMARTFERM DRY ANAEROBIC DIGESTION SYSTEM IN SOUTH SAN FRANCISCO, CALIFORNIA

LARGE SMARTFERM DRY ANAEROBIC DIGESTION SYSTEM IN SAN JOSE, CALIFORNIA



BHS

What's next.

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