





DRS disc screen and SDi windshifter

# Nihot Recycling Technology B.V.

Established in 1945, Nihot Recycling Technology B.V. started its business by producing air ducts for small wood furnaces. Today Nihot is member of the Bulk Handling Systems (BHS) Family of Companies and the leading global provider of air technology to the waste and recycling industries. Nihot's air separators reflect a superior reliability, offering the highest waste separation efficiencies. From consultation and design to manufacture, delivery, installation and ongoing training and support, Nihot's team of in-house experts are with you every step of the way.

## Why Nihot

- Nihot has more than 70 years of experience and is a recognized leader in the field
- Expertise and knowledge: a global supplier and market leader in air technologies to separate waste
- High-quality systems and components that are built for the long-run (see our references) and are utilized for virtually all types of solid waste
- Highest degree of separation efficiency (up to 99%)
- Seeing is believing: A full-scale test center in our factory and mobile test units to prove the separation efficiency with your waste materials.
- 100% in-house manufacturing
- Global presence
- >900 operational references world wide
- Nihot systems operate at the lowest cost per tonne

## Negative pressure: Positive results!

Nihot windshifters separate by means of negative pressure, or suction! This method provides the most precise separation. In addition to the performance advantages, negative pressure also contributes to a dust-free environment.

## Bulk Handling Systems (BHS)

Nihot Recycling Technology B.V. is member of Bulk Handling Systems (BHS), established in Eugene Oregon, (USA). BHS provides turnkey recycling systems, featuring the group's innovative technology, including BHS Tri-Disc screen technology.



For videos of some of our references, please visit [www.youtube.com/nihotrecycling](https://www.youtube.com/nihotrecycling)

# SDS windshifter



The SDS windshifter separates all kind of waste types into two fractions, heavy and light. The robust construction and fool proof functionality guarantee a long lasting and trouble-free operation.

The SDS windshifter uses industry-leading negative pressure technology to sort a wide range of materials by density. This method is particularly useful in processing:

- Bad shredded materials
- Waste containing large materials
- Abrasive materials (glass, inert, car scrap, etc.)
- A high volume percentage of light materials (plastics and film)
- Hard and bulky soft materials
- High moisture contents

## Advantages

- Adjustable separation settings during operation provide superior separation efficiency
- Low energy consumption due to our unique configuration with a recirculation fan
- Low maintenance and very few wearable parts for reduced downtime, low operational costs
- Equipped with stone catcher to prevent blockage inside the blow ducting
- Dust free operation, the positive effect of negative pressure technology

These benefits result in fast return on investment and superior reliability.



# SDX windshifter



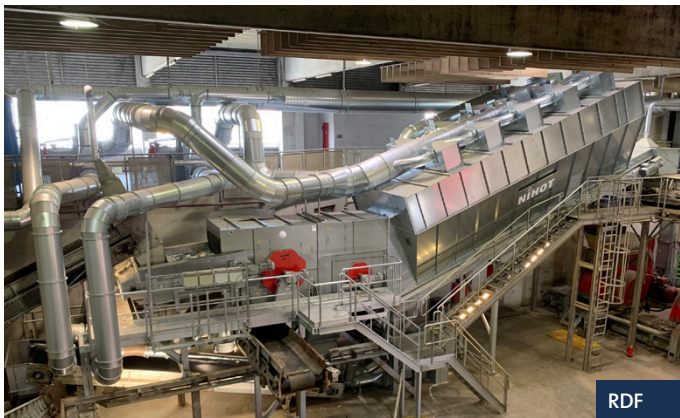
The SDX is a windshifter dedicated for RDF/SRF production plants, using industry-leading negative pressure technology to remove inert from the waste stream for the protection of secondary shredders.

## Advantages

- Dedicated for RDF/SRF production plants
- Removes inert material for the protection of the secondary shredders
- Smart design and engineering, i.e. quick delivery time and quick assembly on-site
- Integrated recirculation fan and limited ducting
- Two economically-priced standard models: SDX 1000 and SDX 1400
- Low maintenance and very few wearable parts, i.e. reduced downtime, low operational costs
- Equipped with stone catcher to prevent blockage inside the blow ducting
- Low energy consumption due to our unique configuration with a recirculation fan
- Dust-free operation, the positive effect of negative pressure technology

**Ultimate protection at the lowest cost per tonne**

# DDS windshifter



The DDS is the ideal solution for a three-way separation. Input material is separated into a heavy, mid-heavy and light fraction. The three-way fraction is created by primary and secondary fans in combination with two drums.

## Advantages

- Adjustable separation settings during operation provide superior separation efficiency
- Three-in-one separation at high capacities – one DDS is doing the job of two individual machines
- Second separation drum is adjustable in horizontal position
- Versatility to process a wide variety of waste streams
- Low energy consumption due to our unique configuration with a recirculation fan
- Low maintenance and very few wearable parts, i.e. reduced downtime, low operational costs
- Dust-free operation – positive effect of negative pressure technology

These advantages result in a fast return on investment and superior reliability

# SDi windshifter



The SDi windshifter is able to generate a precise heavy / light separation for a wide range of input materials. Whether you are removing inerts from biomass or compost, or processing glass, incinerator ash or Automotive Shredder Residue (ASR), the SDi will be of great value.

## Advantages

- Plug-and-play air separator with an integrated dust filter and electrical cabinet, and fitted with extendable support legs
- Adjustable separation settings during operation provide superior separation efficiency
- Fraction size capability from 0-10 mm up to 0-200 mm
- Fast and easy to install: Operational within 30 minutes of delivery
- Low energy consumption due to our unique configuration with a recirculation fan
- Low maintenance and very few wearable parts, i.e. reduced downtime, low operational costs
- Dust-free operation – positive effect of negative pressure technology
- Fits fully assembled in a standard semi-trailer or 40' container

## Seeing is Believing

At Nihot, we know our customers appreciate and value seeing what our equipment can do for them with their own eyes. For that reason, we have mobile, fully-operational SDi windshifters to prove the performance at your site with your material. Curious? Please contact Nihot ([sales@nihot.nl](mailto:sales@nihot.nl)).



# WSS windshifter



The WSS windshifter is the ideal solution for any operation, but especially in removing plastic film from MSW, packaging waste and PET.

The typical characteristic of a WSS windshifter is the use of a blow nozzle. About 60% of the aspirated air is returned into the system. This allows for a smaller dust filter. In addition, it helps to control the separation efficiency because we can fully adjust the blown air separately from the aspirated air. The WSS windshifter offers high separation efficiency with a flexible footprint.

# WSV windshifter



The WSV windshifter is an ideal solution for removing light fractions from liberated and densified input materials, with a high separation efficiency of up to 99%.

The WSV is used in many applications and can process fraction sizes up to 50 mm. Its design makes the WSV particularly suitable to:

- Extract film, foils and PS
- Separate dry materials
- Separate small materials

# WSZ windshifter (zigzag type)



The WSZ windshifter is the ideal solution for separating materials with densities that do not vary much and is particularly suited to:

- Extract film, foils and PS
- Separate dry materials
- Separate small materials