



# Nihot Drum Separator Compact

## Solutions in air-controlled separation

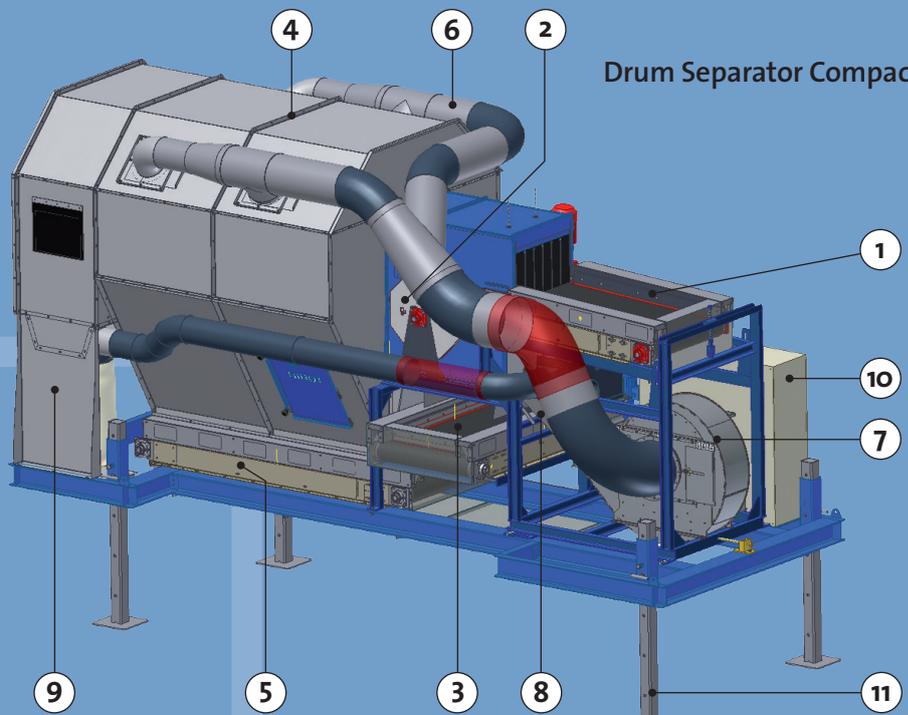


In waste processing, controlled air is a perfect separation medium, both in terms of process technology and business solutions. Controlled air is one of the core technologies of Nihot. It is versatile, offers greater flexibility than mechanical separation technologies and it guarantees high separation efficiency. By using air, materials can be separated based on both material density and shape. Nihot, has optimized air technology for waste separation. The company is a recognized key player in its field.

The semi-mobile Drum Separator is a combination of a recirculation fan, an input conveyor, a separation section with rotating drum, an integrated expansion room with dust filter, an electrical cabinet and a heavy fraction conveyor. The whole unit is mounted on a skid-frame and has extendable support legs. This versatile system has a plug&play arrangement with a maximum capacity of 30 t/h of input. Available in various sizes.

## Drum Separator Compact

1. Product Input Conveyor (PIC)
2. Splitter Drum
3. Heavy Fraction Conveyor
4. Expansion Room
5. Light Fraction Conveyor
6. Air return ducting
7. Recirculation Fan
8. Adjustable Air Nozzle
9. Filter-unit
10. Electrical Cabinet
11. Adjustable support legs (height)



### Types/performance

The SDS Compact series can be supplied with an effective width of 500mm (SDS 500-C) and 650mm (SDS 650-C) both in stationary set up as well in Semi Mobile set up.

- Separates waste input in two fractions, Heavy and Light
- High capacity system, up to 30 t/h
- Input fraction range from 5-250mm
- High Separation efficiency, up to 99%

The SDS 650-C is also available as SDS 650-C XL and has a longer expansion room for handling more volume of light weight fraction.

### Benefits/USP

- Plug and Play arrangement
- Small footprint, standard 20 feet skid
- Minimum mobilization and de-mobilization costs
- Versatile application for different input materials
- Low maintenance, high availability
- Low dust emission
- After delivery to site, operational within 1 hour
- Complete system fits in one 40 ft high cube container

These benefits result in fast return on investment, low operational costs and superior reliability.

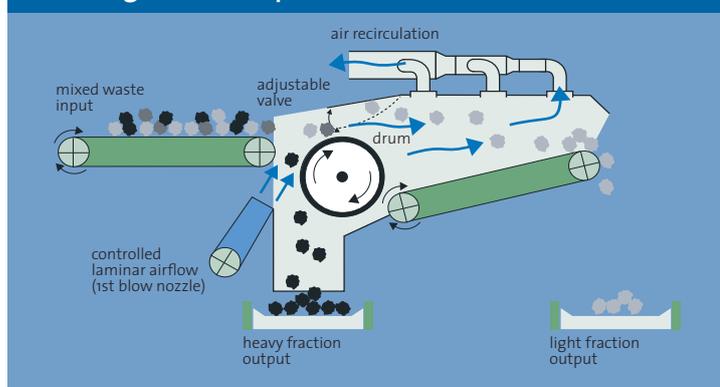
### Applications

The SDS Compact series is utilized for the separation and upgrading of the following Input (Waste) materials:

- Municipal Solid Waste (MSW)
- Commercial and Industrial Waste (C&I)
- Construction and Demolition Waste (C&D)
- C&D Aggregates
- Compost
- Waste from Electric and Electronic Equipment (WEEE)
- MSW Incinerator Bottom Ash
- Glass
- Metal scrap

## Drum Separator, the operating principle

### SDS: Single Drum Separator



### SDS 650-C XL

