

TECHNICAL  
SPECIFICATION



# TAS-150

## Air Separator



Feeding / Conveying / Screening / Shredding / Sorting / Separation

## Overview

# TAS-150

## Air Separator

Terex Recycling Systems TAS-150 Air Separator has a 1.5m (4' 11") wide input conveyor with fully adjustable positioning and is used for the separation of waste by density. The TAS-150 is suitable for many applications, its robust solid design allows it to withstand the harshest applications such as construction and demolition waste, whilst also being suitable for:

- Commercial waste
- Household waste
- Compost/Organics



Our standard specification includes a 30kW radial fan with an adjustable throttle valve and a fully adjustable nozzle. The light material chamber incorporates air recirculation and a hinged partition grid for cleaning. Operation and maintenance is made easy with free access to all machine components. TAS-150 is fitted with an 800mm (2' 7") wide heavy fraction collection conveyor and a rubber curtain for lights' discharge. Also included is an electrical control panel with easy to use control system.

The modular design of our air separator allows us to offer multiple options which will cater for your own needs and requirements, such as the optional material spreader module to maximise separation efficiency regardless of feeding direction. The fully equipped option provides the possibility of separating different materials into three fractions (ultra-light, light and heavy), other options include stockpile conveyors and onboard diesel-electric generator.

### Airlift

- Airlift 15kW radial fan with adjustable throttle valve integrated into lights conveyor to separate ultra-lights from light fraction of material
- Compact mobile three-fraction-air separator with optional Airlift vacuum separator
- Particularly suitable for removing packing or films from compost. It can also be used to process PET bottles, separating label papers and light plastics



### Hydraulic Level Control

- Enables easy lifting and lowering of the machine without special lifting equipment
- Optimal working height can be reached quickly and flexibly
- Maximum height can be raised hydraulically by max. 800 mm (2' 7")

## Air Separation Technology

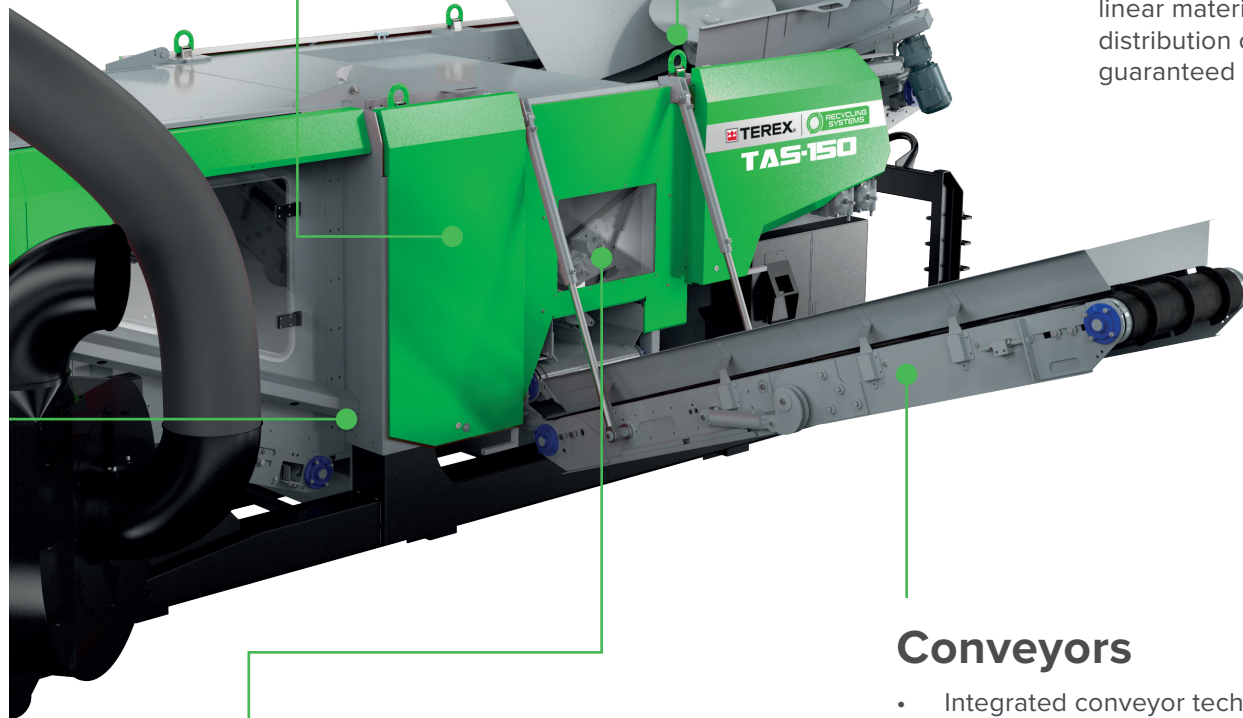
- Precise two way or three way windsifting
- Provides the possibility of separating different materials into three factions - ultra-light, light and heavy
- Achieves pure separation even of materials with almost the same weight

## Adjustable Input Conveyor Positioning

- Reproducible conveyor alignment based on test with your material
- 1.5m (4' 11") wide input conveyor

## Optional Disc Spreader

- Disc Spreader for perfect material distribution, maximising separation efficiency. Even with non-linear material input a perfect distribution of the material is guaranteed



## Adjustable Air Nozzle

- Fully adjustable air nozzle
- Patent nozzle system provides 40% more efficient separation

## Conveyors

- Integrated conveyor technology with proven quality. Depending on requirements, the following conveyors can be installed:
- 1.5m (4' 11") wide light fraction discharge conveyor with extended light fraction chamber
- 800mm (2' 7") wide lateral heavy fraction collection conveyor (heavy discharge)
- 800mm (2' 7") wide folding heavy fraction stockpile conveyor (hydraulically retractable)

# TAS-150 - Air Separator

## TECHNICAL SPECIFICATION

### Standard specification:

- 1.5m (4' 11") wide input conveyor, fully adjustable positioning
- 30kW radial fan with adjustable throttle valve, fully adjustable nozzle
- 800mm (2' 7") diameter separator drum
- Light material chamber with air recirculation and hinged partition grid for cleaning
- Rubber curtain for lights discharge
- IFM control system
- 800mm (2' 7") wide heavy fraction collection conveyor

### Dimensions (standard spec):

|        |                    |
|--------|--------------------|
| Width  | 2.3m / 7' 6"       |
| Length | 6.5m / 21' 2"      |
| Height | 2.3m / 7' 5"       |
| Weight | 6900 kg / 15212 lb |

### Power

#### Base unit:

|                 |       |
|-----------------|-------|
| Input conveyor  | 4kW   |
| Separation drum | 1.5kW |
| Fan             | 30kW  |
| Heavy conveyor  | 3kW   |

#### Options:

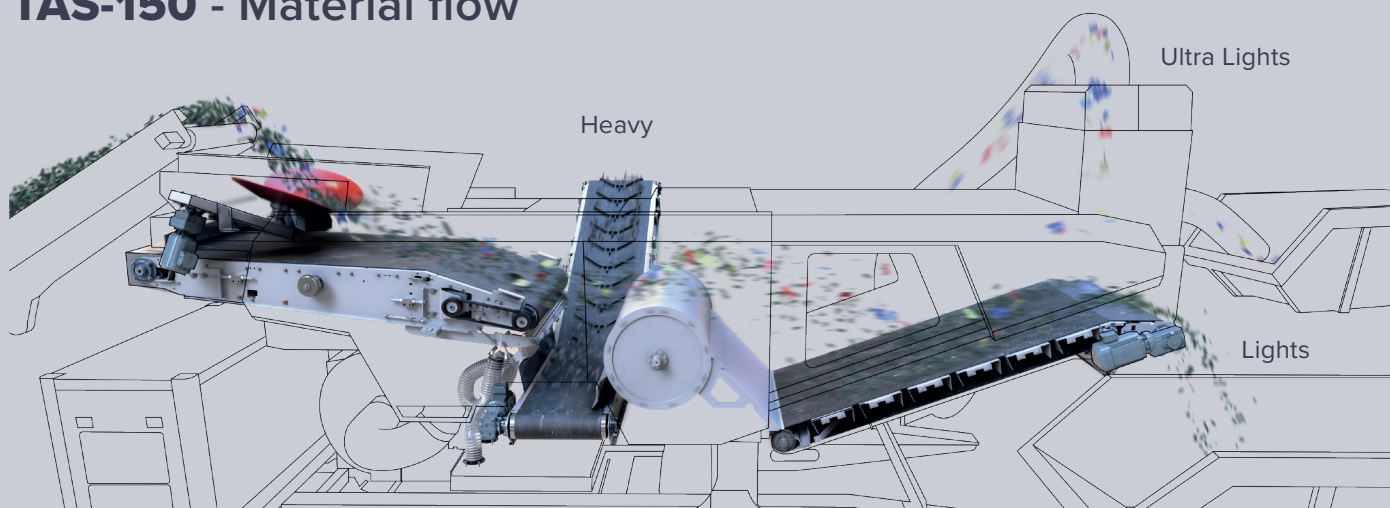
|                            |           |
|----------------------------|-----------|
| Disc spreader              | 2 x 2.2kW |
| Heavies stockpile conveyor | 2.2kW     |
| Lights conveyor            | 4kW       |
| Airlift                    | 15kW      |

### Optional extras:

- Hydraulic level adjustment
- 800mm (2' 7") wide folding heavy fraction stockpile conveyor
- 1.5m (4' 11") wide light fraction discharge conveyor with extended light fraction chamber
- Airlift 15kW radial fan with adjustable throttle valve integrated into lights conveyor to separate 'ultra-lights' from light fraction
- Disc spreader 800/1500 for optimum material distribution
- Hooklift carriage
- Fork-lift shoe
- Crawler tracks
- Wheel chassis
- 110kVa diesel electric generator

All specifications and technical data subject to change without notification  
All options are retrofittable.

## TAS-150 - Material flow



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