

# Screening

## Ecostar - Hexact

Hexact is Ecostar's static disc screener, incorporating the patented Dynamic Disc Screening technology and modular structure. The defining features of the Hexact are its high performance, compact size and low power consumption.

**Modular:** The screen length of the Hexact starts at 2 meters. This can be increased with two or three-meter modular sections. This system allows the user to adapt the capacity and size of the machine to their operational needs.

### Key Features

- Patented 'Dynamic Disc Screening' technology.
- Modular design.
- Screening speed variation.
- Anti-wrapping system.
- Screening sizes range from 10 - 350mm.



### Applications

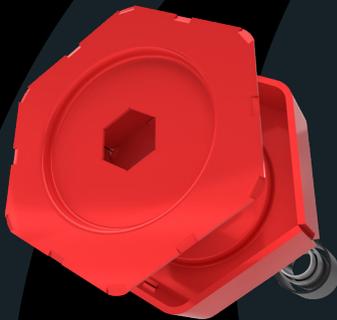
- Wood
- Incinerator Ashes
- Inerts
- Green / Organic Waste
- RDF
- Biomass
- Compost
- MSW
- Commercial & Industrial Waste
- Tyres
- Car Fluff
- PET

| Hexact | Dimensions                              | Weight | Power     | Screening Size |
|--------|---|--------|-----------|----------------|
| 2000   | 2,000mm (L) x 2,300mm (W) x 1,270mm (H) | 3 Tn   | 1 x 7.5kW | 10 - 350 mm    |
| 3000   | 3,000mm (L) x 2,300mm (W) x 1,270mm (H) | 4 Tn   | 1 x 7.5kW | 10 - 350 mm    |

# Dynamic Disc Screening

The patented technology revolutionising the waste screening industry

Ecostar's dynamic disc screening technology uses a series of shafts with hexagonal or octagonal flat discs made of Hardox steel to ensure maximum wear and abrasion resistance. Thanks to this shape, the material flows over the screening discs and is subjected to up-and-down vibrations that agitate and separate the waste. The screened material falls through the spaces between the discs, with the oversize material remaining on the discs which is conveyed to the end of the screening deck itself. The result is a separated and clean fraction, ready for the further processing.



DDS allows real time changes to amend the screened product size ( $\pm 30\%$ ), which can be obtained by varying the speed of the shafts with the help of the inverter. The available screening sections range from 10 to 350 mm. The DDS technology enables Ecostar machinery to separate materials faster, using less space and reaching a productivity level of up to 200 t/h.

The traction shaft is covered with patented loose sleeves made of highly resistant material, which are independent of the rotation of the shaft itself. This prevents the long and fibrous parts of the material getting wrapped around the shaft. This is critical for optimal screening results and for considerably reducing downtime.

