

# ECOSTAR

The next recycling technologies™



**HEXTRA:  
THE BEST  
INVESTMENT**

**DYNAMIC  
HEXAGON  
EXTRA  
EFFICIENCY**



*Hextra track version*



*Hextra hooklift version*

## HEXTRA 2F/3F

Hextra is the ultra-efficient machine designed for those who require the operational flexibility of a mobile solution combined with the quality and precision of the exclusive Dynamic Disc Screening technology.



**PATENTED TECHNOLOGY**

### **TWO VERSIONS, ONE SOUL**

Hextra is available in 2 versions, TRACK and HOOKLIFT, both featuring two or three screen fractions and 4000 mm, 5000 mm, 6000 mm and 7000 mm screen length, depending on operational requirements. We have designed Hextra with the goal of providing the same frame for both versions, which allows us to reduce production times and fully satisfy our customers' needs.



- 1) DDS anti-wrapping system
- 2) Screening size from 10 to 350 mm
- 3) Low power consumption
- 4) Diesel generator or 100% electric supply
- 5) Screening speed variation system
- 6) Smart Hopper: sliding feeding system (2-3 fractions)

**MULTIPLE MATERIAL APPLICATIONS.** In more than 20 years of research and development, Ecostar has developed custom solutions for every kind of material: RDF, MSW, incinerator ashes, waste wood, biomass, paper & cardboard, aggregate, soil and stones, PET, tires, organic waste, car fluff, constructions & demolitions.

**STOP** twisting  
**200 T/H** max screening  
**SMART** hopper

**-70%** consumption  
**LOOP** with shredder  
**DDS** technology



#### **ANTI WRAPPING SYSTEM**

The drive shaft is coated with **free manifolds** made of highly resistant material (specially designed for each application) which are independent of the rotation of the shaft itself. **This system does not allow the long and fibrous parts of the material being screened to twist around the shaft**, thus facilitating its easy separation and considerably reducing downtime.

#### **FLEXIBLE SCREENING SIZE**

Dynamic Disc Screening allows real time changes to the predetermined screening size ( $\pm 30\%$ ), which can be made by varying the speed of the shafts with the aid of the inverter. **The available screening sizes range from 10 to 350 mm.**

#### **PRODUCTIVITY UP TO 200 T/H**

Hextra can screen materials **faster (1 m/sec)**, using less space and achieving productivity of up to **200 t/h**. These features bring a considerable increase in revenues from the sale of recycled materials, while the use of higher quality components compared to market standards guarantees maximum reliability and reduces maintenance costs.







#### **OPERATIONAL FLEXIBILITY**

With **SMART HOPPER** (patent pending), our special own-design loading hopper, Hextra becomes a screening system with unbeatable flexibility. The sliding hopper is equipped with a dosing screw and **can work in line or in a loop with all shredders**. The hydraulic system managed from the remote console can change the **screen options from 2 to 3 fractions** in relation to specific operating needs. The **hopper slides back** to minimise footprint during transport.

## **PATENTED TECHNOLOGY**

# **DYNAMIC DISC SCREENING**

Unique in its kind, it uses a series of hexagonal or octagonal disc shafts with a flat profile. Thanks to this particular shape, **the material slides on the screen discs and is subject to an up and down motion that separates the waste**. The screened material falls under the screening surface, passing through the spaces between the discs, while the material remaining on the screen advances to the end of the screening surface. The result is a separate and clean portion, ready for subsequent recycling recovery.

<b>HEXTRA</b>		<b>2F</b>		<b>3F</b>	
TYPOLOGY					
TRANSPORT LENGTH	MM	8740	8740	MM	8740
MAX TRANSPORT WIDTH	MM	2550	2550	MM	2550
TRANSPORT HEIGHT	MM	2700	3100	MM	2700
MAX WORKING LENGTH	MM	15500	15500	MM	15500
WORKING WIDTH	MM	7120	7120	MM	9400
MAX WORKING HEIGHT	MM	4650	4250	MM	4650
MAX WEIGHT	T	20	23	T	22
TANK CAPACITY	LT	120	120	LT	120
HYDRAULIC PUMP FLOW RATE	LT/MIN	2,4	0-90	LT/MIN	2,4
HYDRAULIC OIL CAPACITY	LT	10	130	LT	10
SCREENING LENGTH	MM	4000 5000 6000 7000		MM	4000 5000 6000 7000
ENGINE		48 kW - 60 kVA		48 kW - 60 kVA	
 Hooklift  Track			Hooklift available also electric version		

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