

# ECOSTAR

The next recycling technologies™

QUALITY  
PRECISION  
PRODUCTIVITY

## HEXAGON IN ACTION



## HEXACT

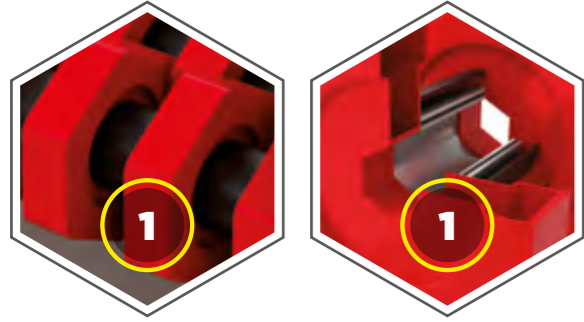
Hexact is the screening machine with Dynamic Disc Screening technology and modular structure designed for those who require high performance, compact size and low power consumption.



**PATENTED TECHNOLOGY**

### **THE VALUE OF MODULARITY**

The screen length of Hexact starts from 2 metres and can be implemented with **2 or 3 metre modular sections**. This system makes it possible to adapt the machine's capacity to operational needs and the space available. Modularity also **reduces assembly times and transport costs** for large screening surfaces.



- 1) Dynamic Disc Screening technology
- 2) Screening speed variation system
- 3) 7.5 kW electric motor
- 4) Modular system

**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.

**FLEX**  
modularity

**STOP**  
twisting

**200 T/H**  
max screening

**7,5 kW**  
single engine

**-70%**  
consumption

**DDS**  
technology



**PRODUCTIVITY UP TO 200 T/H**

Hexact 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.

**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.

**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. **The free manifolds reduce the risk of the material being screened twisting around the shaft or clogging it**, thus facilitating a more qualitative separation and considerably reducing downtime.



**FLEXIBLE SCREENING SIZE**

DDS technology 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.**



**Hexact 2000**



**Hexact 3000**



**Hexact 4000 (2+2)**



**Hexact 5000 (3+2)**



**Hexact 6000 (3+3)**



**Hexact 7000 (3+2+2)**



**Hexact 8000 (3+3+2)**



**Hexact 9000 (3+2+2+2)**



**Hexact 10000 (3+2+2+3)**

## HEXACT 2000

WORKING LENGTH	MM	2000
WORKING WIDTH	MM	1600
TOTAL WIDTH	MM	2310
TOTAL HEIGHT	MM	1270
WEIGHT	T	2-3
POWER INSTALLED	kW	1 x 7,5
SCREENING SIZE	MM	10 - 350

## HEXACT 3000

WORKING LENGTH	MM	3000
WORKING WIDTH	MM	1600
TOTAL WIDTH	MM	2310
TOTAL HEIGHT	MM	1270
WEIGHT	T	3-4,5
POWER INSTALLED	kW	1 x 7,5
SCREENING SIZE	MM	10 - 350

## HEXACT 4000 > 10000

MODEL	WORKING LENGTH	WEIGHT	POWER INSTAL.	SCREEN. SIZE
	MM	T	kW	MM
4000	4000	4-6	1 x 7,5	10 - 350
5000	5000	5-7,5	2 x 7,5	10 - 350
6000	6000	6-9	2 x 7,5	10 - 350
7000	7000	7-10,5	2/3 x 7,5	10 - 350
8000	8000	8-12	2/3 x 7,5	10 - 350
9000	9000	9-14,5	3 x 7,5	10 - 350
10000	10000	10-16	3 x 7,5	10 - 350

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