



**NHEXA:
EFFICIENCY HAS A
NEW DIMENSION**

**NEXT
IS NOW**



NHEXA 5000 2F / 3F

Nhexa is the compact, flexible, and efficient screening solution, ideal for treating low to medium waste and recyclable materials. A machine that combines maximum operational efficiency with the precision of the innovative patented Dynamic Disc Screening technology.



PATENTED TECHNOLOGY



Nhexa track version

SUPER FLEXIBILITY

- 1** MODULAR SCREENING SURFACE
ENABLING QUICK AND EASY
REPLACEMENT OF SECTIONS AND SHAFTS
- 2** HYDRAULIC SIDE
COVERS OPENING
FOR EASY MAINTENANCE
- 3** FLEXIBLE CONFIGURATION
OF DISCHARGE LATERAL
CONVEYORS
- 4** VARIABLE
SCREENING DECK
INCLINATION +/- 5°
- 5** ANTI WRAPPING
SYSTEM
FOR OPTIMAL SEPARATION



PRODUCTIVITY FROM 10 UP TO 50 T/H

Nhexa is capable of screening all types of materials, using minimal space and achieving a productivity level of up to 50 T/H. With a screening surface of 5 meters in length, Nhexa can be configured with 2 or 3 screening fractions and with sections ranging from 15 to 150 mm.

MAXIMUM ADAPTABILITY

Thanks to the flexible configuration of the discharge conveyors, Nhexa easily adapts to any operational context. Depending on the configuration of the site and operators' needs, the **conveyors for the fine and medium fractions can be positioned on the same side or on opposite sides**, ensuring efficient space management and optimized material flow.

OPERATIONAL EFFICIENCY

Designed to deliver **high performance with quick and efficient maintenance**, Nhexa features a modular screening surface that allows for **fast section and shafts replacement**, significantly reducing intervention time. To further simplify operations, **hydraulic side covers** open effortlessly, granting easy access to the screening deck

and core components. This facilitates **faster cleaning**, smoother servicing, and **less machine downtime overall**. Compact and mobile, Nhexa's tracked configuration ensures it can be easily maneuvered and positioned-even on difficult terrain or within landfill environments-providing maximum versatility in the field.

PATENTED TECHNOLOGY

DYNAMIC DISC SCREENING

SEPARATION QUALITY

Nhexa is equipped with the **patented Dynamic Disc Screening (DDS)** technology, which uses hexagonal or octagonal flat-profile disc shafts. Thanks to this unique shape, the material **moves along the screening deck while experiencing an up and down movement that effectively separates the waste**.

The **undersized material** falls through the spaces between the discs, while the **oversized material** continues to the end of the deck, resulting in a clean fraction ready for recycling.

For particularly difficult materials, the **patented Hyper Dynamic Disc Screening (HDDS)** technology can also be installed.



ANTI-WRAPPING SYSTEM

The drive shaft is coated with **free manifolds made of high-resistance material**, which move independently from the shaft's rotation. This system **minimizes the wrapping of long and fibrous parts of the materials**, ensuring optimal separation, significantly **reducing machine downtime**.



FLEXIBLE SCREENING SIZE

Dynamic Disc Screening allows real time changes to the predetermined screening size (+/- 30%), which can be made by varying the speed of the shafts with the aid of the inverter. **The available screening sizes range from 15 to 150 mm.**

NHEXA 5000		2F		3F	
TYPOLOGY					
TRANSPORT LENGTH	MM	9013		MM	9013
MAX TRANSPORT WIDTH	MM	2310		MM	2310
TRANSPORT HEIGHT	MM	2540		MM	2540
MAX WORKING LENGTH	MM	11205		MM	11205
WORKING WIDTH	MM	5200		MM	5200-7800
MAX WORKING HEIGHT	MM	2880		MM	2880
MAX WEIGHT	T	16-18		T	16-18
TANK CAPACITY	LT	100		LT	100
HYDRAULIC OIL CAPACITY	LT	230		LT	230
SCREENING LENGTH	MM	5000		MM	5000
SCREENING WIDTH	MM	1200		MM	1200
HOPPER LOADING HEIGHT	MM	2880		MM	2880
ENGINE	DIESEL DEUTZ TCD 2.2				
ENGINE POWER	55 kW				
REGULATION	STAGE 5, TIER 4 FINAL				

**Ecostar Srl**

Via L. da Vinci 6 E: info@ecostarsrl.it
 36066 Sandrigo W: www.eco-star.it
 Vicenza, Italia T: (+39) 0444 750 942



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 The next recycling technologies™