

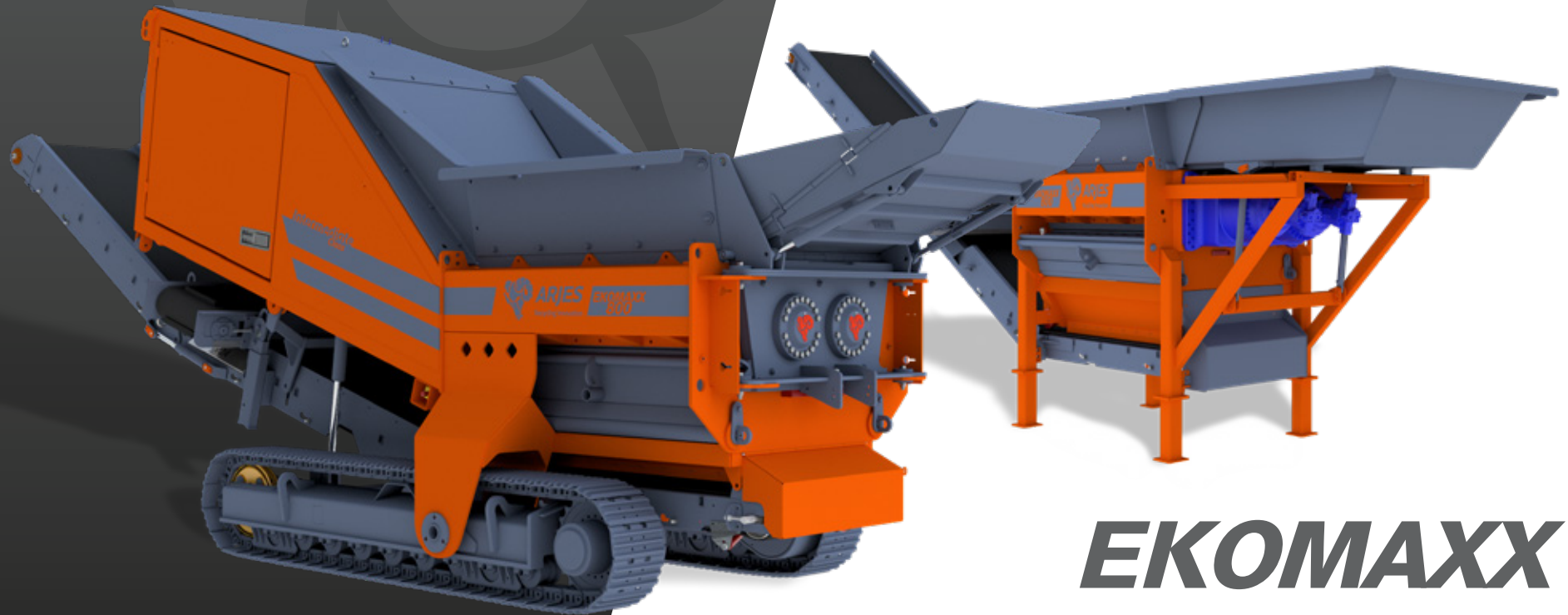


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ARJES

Recycling Innovation



EKOMAXX

THE INTERMEDIATE CLASS

www.arjes.de

OUR SHREDDERS OF THE ARJES INTERMEDIATE CLASS



When choosing the right machine, our customers are usually faced with the question of which shredder is right for their specific requirements. Therefore, we have divided our unique two-shaft shredders into three product lines to help you make the right decision.

Fields of application EKOMAXX class

-  Commercial waste
-  Natural and waste wood
-  Rubber and old tires
-  Paper and cardboard



PRODUCT LINE **EKOMAXX**

In the intermediate class, the concept of economic sustainability is at the forefront of machine development. ARJES' goal is clearly defined: "Optimum cost-benefit ratio for the maximum benefit of our customers and users". These are mainly to be found in composting and wood processing companies as well as in the processing of domestic and commercial waste. The mobile shredder offers advantages that are a part of the standard ARJES design. These include the crawler track system, the revolutionary shaft quick change system, an innovative SCU control system and a paddle shaft design that guarantee the customer long service life and durability.

For all customers with special requirements regarding exhaust and noise emissions, the stationary electric version of the EKOMAXX class is the right solution. Our machines with electric power unit are particularly energy-saving and efficient for the user, as they can be used for shredding the most difficult materials with significantly less maintenance.

The main areas of application are in the treatment of green waste, waste wood and roots, as well as in the processing of household, commercial and bulky waste. The shredding of old tires, paper and cardboard is also possible without any problems with our intermediate class.



THROUGHPUT RATES*

Domestic and commercial waste	Ø 12 – 25 t/h
Rubber and old tires	Ø 7 – 15 t/h
Trunk wood and rootstocks	Ø 15 – 35 t/h
Waste wood	Ø 20 – 50 t/h
Green waste	Ø 35 – 80 t/h
Paper and cardboard	Ø 15 – 30 t/h

*Depends on the equipment of the shredder, the shaft configuration, the position of the side combs and the optimum material feed. The performance data given are average values without guarantee!

EKOMAXX 800 MOBILE INTERMEDIATE CLASS

REVERSIBLE FAN

Included! Hydraulic adjustable and self-cleaning fan for ideal air circulation in the engine compartment



SHREDDING UNIT

Equipped as standard with **tilting hopper** and asynchronous shredding technology incl. **quick change cassette**



SCU CONTROL SYSTEM

Including **remote control** for moving and operating the entire shredder



CRAWLER CHASSIS

For excellent off-road mobility; optionally available rubber tracked crawler system to protect the ground from damage



WATER SPRINKLER

Optional! Reduction of dust in the feeding area and at the discharge belt



OVERBELT MAGNET

Included! Height-adjustable permanent magnet for efficient Fe separation



DRIVE

Powerful **VOLVO PENTA 8 litre diesel engine** for low fuel consumption and maximum efficiency



POWERED BY
VOLVO PENTA

TECHNICAL DATA

DIMENSIONS

Version	Crawler track system
Length (mm)	9,900 / 8,100 (transport)
Width (mm)	2,450 / 2,450 (transport)
Height (mm)	4,000 / 3,100 (transport)
Total weight (kg)	21,000

DRIVE	EU / US	ROW**
Engine (Volvo Penta)	TAD 883 VE	TAD 853 VE
Emission standard	EU Stage V / EPA Tier IV	Stage III A
Power (kW / HP)	235 / 320	
Fuel capacity (l)	400	
Gearbox	Bonfiglioli	

DISCHARGE BELT

Discharge height (mm)	3,300
Width (mm)	1,000
Included	Overbelt magnet

SHREDDING UNIT

Hopper volume (m³)	4.50 (incl. tilting hopper)
Shaft length (mm)	2,000
Shaft diameter (mm)	680
Weight (kg / cassette)	3,500
Rotation speed (rpm)	42



Mechanically adjustable side combs

To change the requested output grain size, the side-arranged combs can be opened or closed in full. Thus the throughput can be adjusted in accordance with the type of material and the customer's requirements.



Quick change system for tool shafts

Increase operational efficiency through quick and easy shaft changes and make maintenance and reprocessing of worn shredding shafts easier.



Hydraulically adjustable tilting hopper as standard

For loading via wheel loader with a shovel width of up to 3.60 m, the shredding unit is standard equipped with a tilting hopper that is adjustable up to 180°.

EKOMAXX 800 STATIONARY INTERMEDIATE CLASS

CONTROL SYSTEM

Direct operation via **remote control**; optional integration into complete systems according to customer requirements



DISCHARGE BELT

Optional! 1,000 mm wide and 7,000 mm long discharge belt for optimum material discharge



SHREDDING UNIT

Equipped as standard with large-volume **tilting hopper**; optimal loading via wheel loader, shovel width up to 4.60 m



OVERBELT MAGNET

Optional! Height-adjustable permanent magnet for effective Fe separation



STATIONARY

Used as an individual machine or optional integration in recycling plants according to customer requirements



DRIVE

Powerful **electric motor** performs with high efficiency and low energy costs



TECHNICAL DATA

DIMENSIONS

Version	Stationary
Shredding Unit	
Length (mm)	5,300 / 11,100 (incl. discharge belt)
Width (mm)	2,300
Height (mm)	3,000 / 4,300 (incl. discharge belt)
Control Unit	
Length (mm)	2,700
Width (mm)	1,600
Height (mm)	2,700
Total weight (kg)	16,000 (shredding unit with discharge belt) 4,500 (power unit)

DRIVE

Engine	Electric
Power (kW)	250
Gearbox	Bonfiglioli

SHREDDING UNIT

Hopper volume (m³)	4.00
Shaft length (mm)	2,000
Shaft diameter (mm)	680
Weight (kg / cassette)	3,500
Rotation speed (rpm)	42



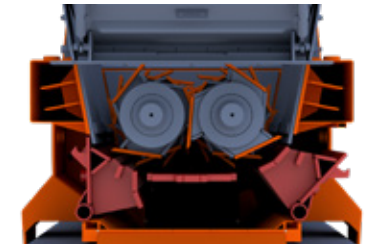
Separate drive and control unit

Due to separate placement of the shredding and control unit (max 6 meters in between) there is significant less vibration to the control system. Additionally, dust and dirt are reduced.



Quick change system for tool shafts

Effortless change of shredding shafts without time-consuming disassembly or assembly is a major advantage to increase the efficiency of your ARJES shredder significantly.



Mechanically adjustable side combs

The design of the combs allows fully opening or closing, so in dependence on the material and the customer's requirements, the throughput of the shredder can be adjusted.



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Your local dealer

Disclaimer: We reserve the right to make technical changes, misprints and errors. All specifications refer to the standard version without optional features. Status: June 2024



5 CONVINCING ARGUMENTS FOR OUR INTERMEDIATE CLASS

- 1 Best price-performance ratio in its class**
incl. standard attachments* (e.g. reversible fan, magnet etc.)
- 2 Largest range of applications**
Processing of many types of material with the toughest requirements (such as commercial waste, natural and waste wood, old tires, etc.)
- 3 Revolutionary shaft quick change system**
Shortens maintenance times, refurbishment and changing different shaft types for almost uninterrupted operation
- 4 Hydraulically adjustable tilting hopper**
Higher loading capacity and operability when loading the shredder
- 5 Innovative SCU plug and play control**
Predefined shredding programs that control rotation and speed of shafts for user-friendly operability

*only available for mobile machines