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ARJES

Recycling Innovation



IMPAKTOR
THE COMPACT CLASS

www.arjes.de

OUR SHREDDERS OF THE ARJES COMPACT 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 double-shaft shredders into three product lines to help you make the right decision.

Fields of application IMPAKTOR class

-  Waste Wood & Biomass
-  Household & Commercial Waste
-  Construction & Demolition Waste

CONCRETE SHAFTS



PADDLE SHAFTS



Find out more about our applications and tool shafts in the brochure
RECYCLING IS OUR GLOBAL SOLUTION



PRODUCT LINE **IMPAKTOR**

In the IMPAKTOR class, mainly, contractors in the construction and demolition industry will find an extremely compact, flexible and robust shredder with the best price-performance ratio in the industry. However, plant operators wanting to enrich their business with a compact shredder are also well represented in this segment. The mobile shredder is characterised by its unique track system and hook lift combination, a revolutionary shaft quick-change system, an innovative SCU control system and a shaft design that continuously expands the machine's range of applications.

The stationary electric version of the double-shaft shredder is convincing in particularly difficult areas of application due to its high efficiency and low maintenance costs. The two shredder components, shredding unit and control unit, can easily be integrated into existing recycling plants or used as an individual machine.

In addition to numerous possible uses for construction and demolition waste, both the mobile and stationary shredders are suitable for processing concrete and wooden railway sleepers, roots, waste wood, tyres, domestic and commercial waste and other materials.



THROUGHPUT RATES*	
Construction waste	Ø 80 – 100 t/h
Concrete / Asphalt	Ø 60 – 80 t/h
Waste wood	Ø 10 t/h
Biomass	Ø 20 t/h
Waste & Plastics	Ø 10 – 15 t/h

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

IMPAKTOR 250 evo

The highlights of the mobile compact class in detail



WATER SPRINKLER

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



COMPACT SCREEN

Optional!
Easy separation of the material flow into two fractions (adjustable screen size)



SHREDDING UNIT

Large-volume hopper and double shaft system with **quick-change cassette**



MAGNET

Included!
Strong permanent magnet for effective Fe-separation



SCU-CONTROL SYSTEM

Including **remote control** and predefined shredding programs that adjust rotation and speed of shafts



DRIVE

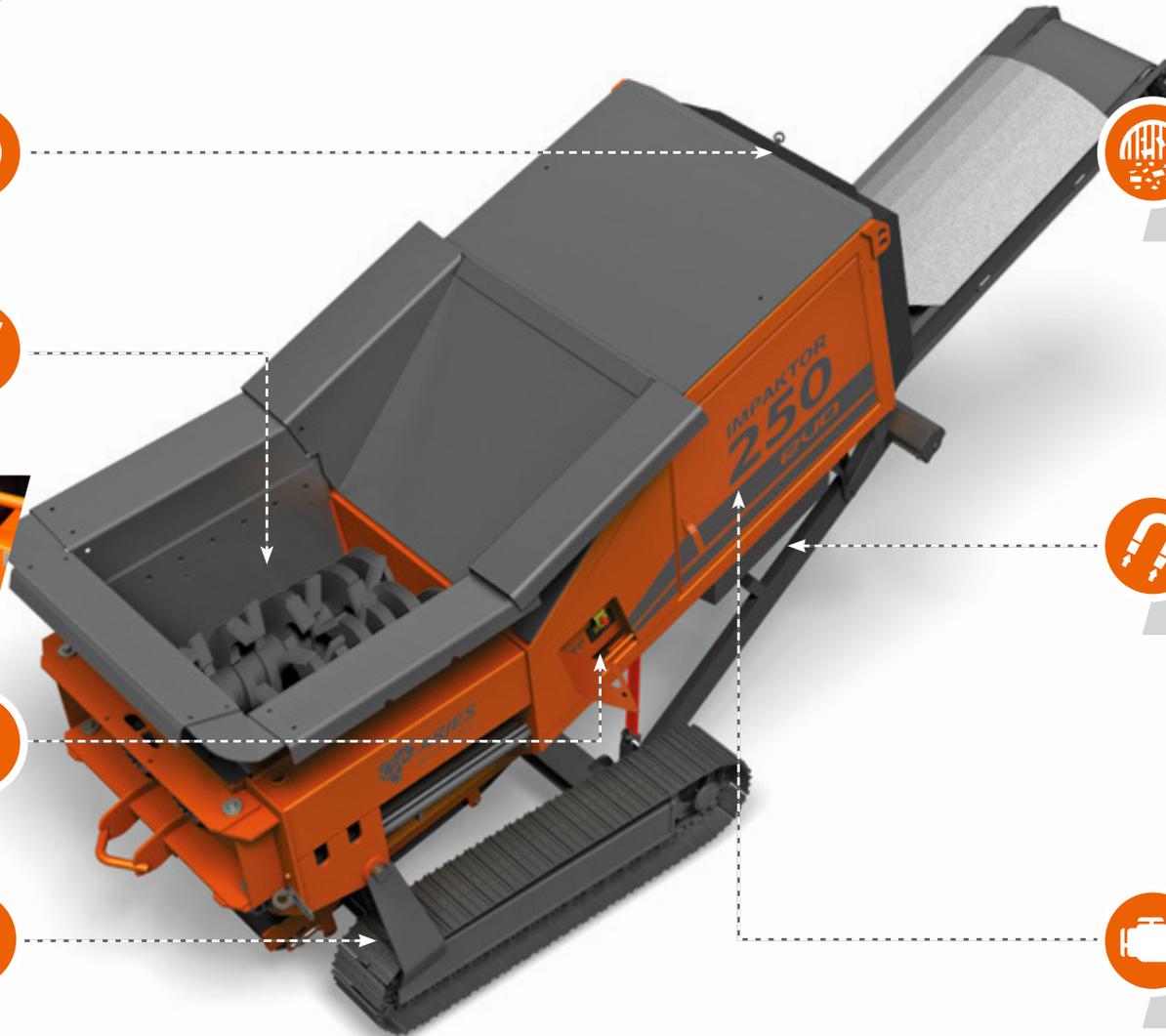
Powerful **VOLVO PENTA** diesel engine for low fuel consumption and maximum efficiency

POWERED BY
VOLVO PENTA



TRACK SYSTEM

Included!
Guaranteed high mobility on uneven surfaces



TECHNICAL DATA

DIMENSIONS

Version	Track system and hook lift
Length (mm)	7.700 / 7.300 (Transport)
Width (mm)	2.300 / 2.300 (Transport)
Height (mm)	3.500 / 2.800 (Transport)
Total weight (kg)	14.000

DRIVE

	EU	US	ROW*
Engine (Volvo Penta)	TAD 581 VE	TAD 572 VE	TAD 551 VE
Emission standard	EU Stage V	EPA Tier 4f	Stage 3A
Power (kW / HP)	129 / 175	160 / 220	129 / 175
Fuel capacity (l)	360		
Gearbox	Bonfiglioli		

DISCHARGE BELT

Discharge height (mm)	3.450
Width (mm)	800
Included	Over-belt magnet and water sprinkler system

SHREDDING UNIT

Hopper volume (m ³)	2,25
Shaft length (mm)	1.500
Shaft diameter (mm)	680
Weight (kg / cassette)	2.000
Rotation speed (rpm)	11 – 35

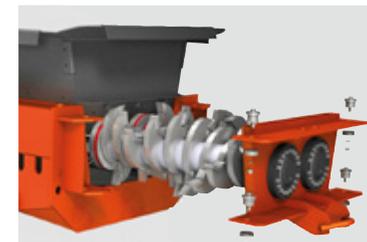


Scan QR-Code and watch the IMPAKTOR 250 evo in action!



Easy transportation to any work place

Due to the low basic weight and a hydraulically lowerable chassis, transportation is possible on a small truck or hook lift truck without special permissions.



Quick change system for shafts

Easy installation and quick removal of shafts for easier maintenance, refurbishment and changing of shaft type, which increases more productivity.



Mechanically adjustable side combs

The side combs can be opened or closed, depending on material and customer requirements; decreasing the output size or increasing the throughput rate.

**Rest of the world (country-specific requirements)

IMPAKTOR 250 e-pu

The highlights of the stationary compact class in detail

SHREDDING UNIT

Large-volume hopper and double shaft system with **quick-change cassette**



DISCHARGE BELT

Optional! Conveyor belt for efficient material discharge according to customer requirements



MAGNET

Optional! Height-adjustable permanent magnet for effective Fe-separation



CONTROL SYSTEM

Operation via **remote control** and optional integration into complete systems possible according to customer requirements



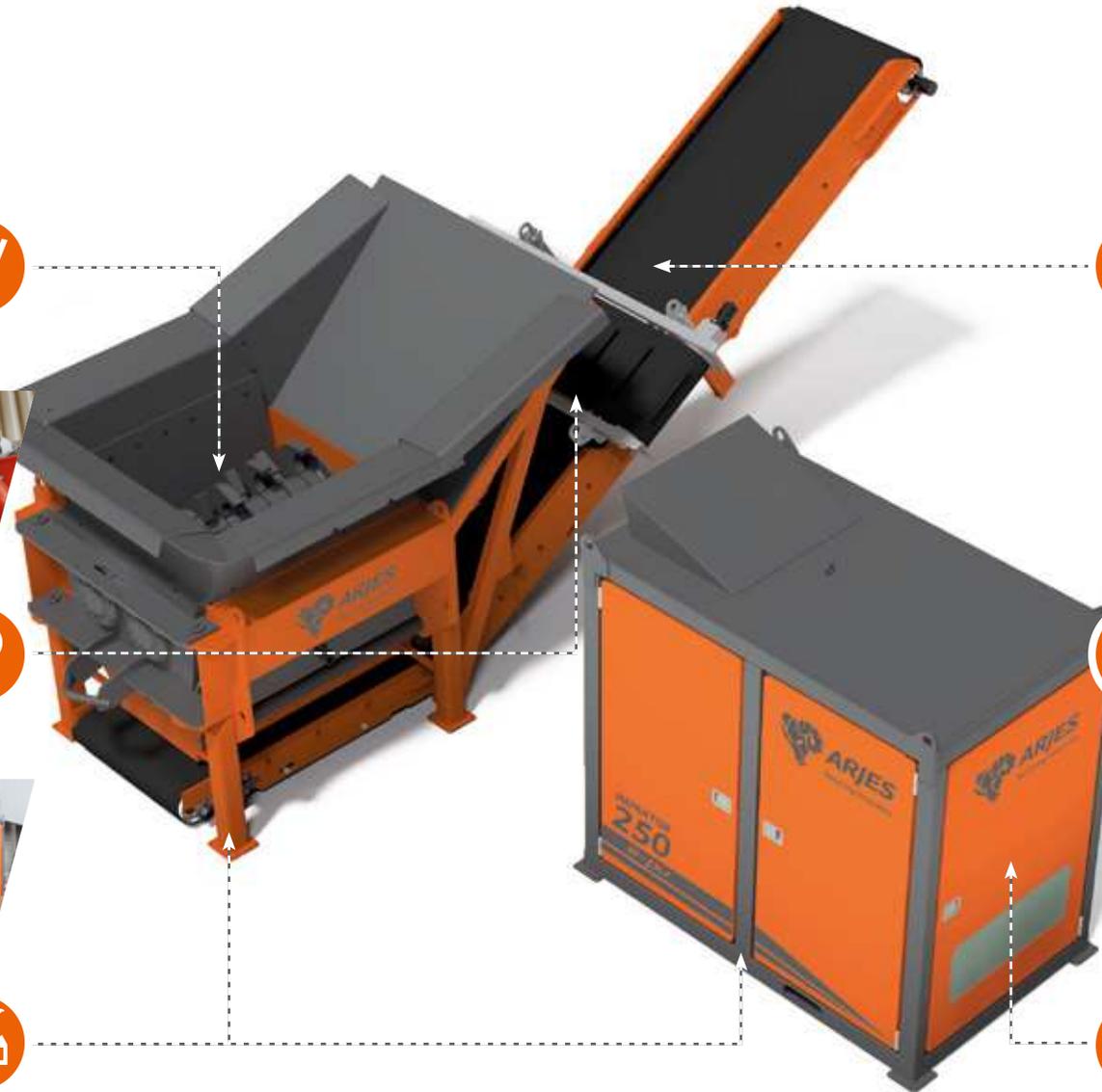
STATIONARY

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



DRIVE

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



TECHNICAL DATA

DIMENSIONS

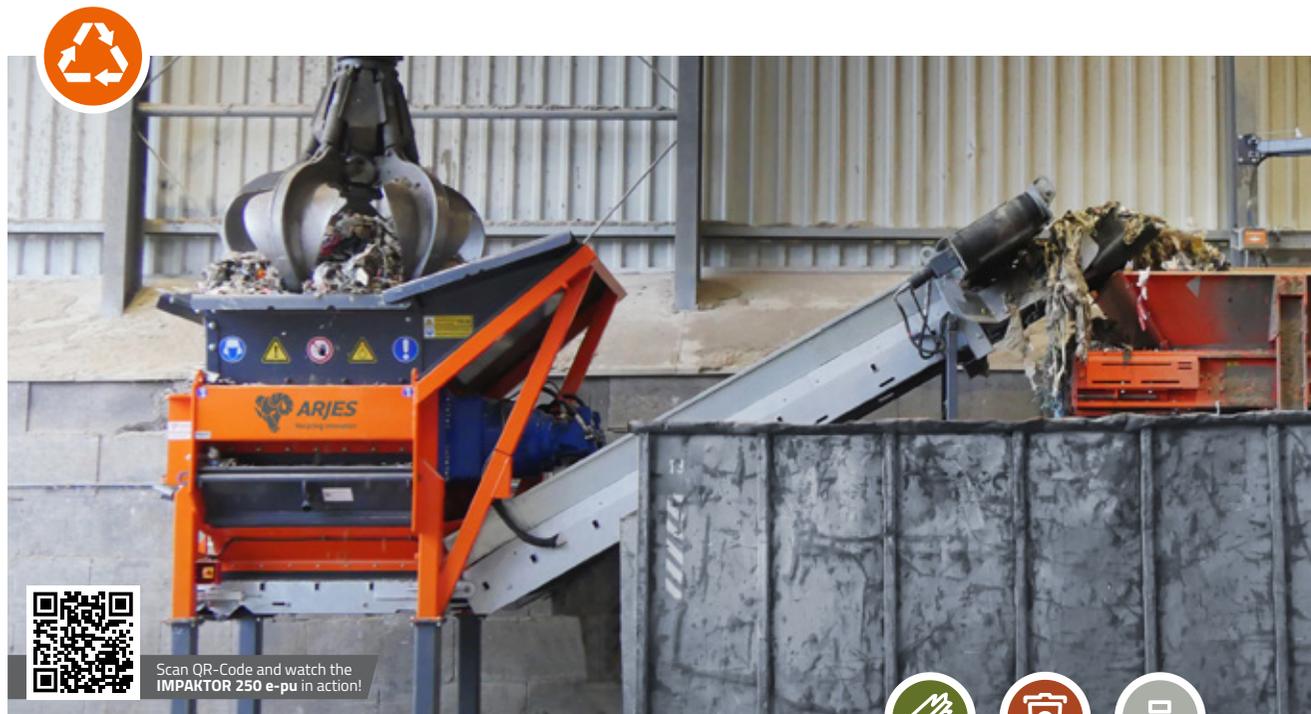
Version	Stationary
Shredding Unit	
Length (mm)	3.300
Width (mm)	2.300
Height (mm)	3.200
Control Unit	
Length (mm)	2.600
Width (mm)	1.600
Height (mm)	2.700
Total weight (kg)	approx 15.000

DRIVE

Engine	Electric
Power (kW)	160
Gearbox	Bonfiglioli

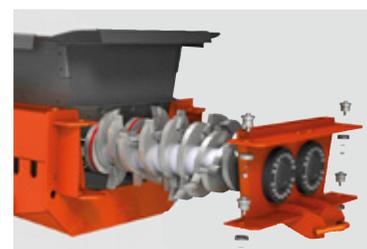
SHREDDING UNIT

Hopper volume (m ³)	2,25
Shaft length (mm)	1.500
Shaft diameter (mm)	680
Weight (kg / cassette)	2.000
Rotation speed (rpm)	11 – 35



Separate drive and control unit

Due to separate placement of the shredding and control unit (max 8 meters in between) there is significant less vibration to the control system. Additionally, dust and dirt are reduced.



Quick change system for tool shafts

Easy installation and quick removal of shafts, for easier maintenance, refurbishment and changing of shaft type, which increases productivity.



Mechanically adjustable side combs

The side combs can be opened or closed, depending on material and customer requirements; decreasing the output size or increasing the throughput rate.



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Your local dealer



5 CONVINCING ARGUMENTS FOR OUR COMPACT CLASS

- 1 Best price-performance ratio in its class**
incl. standard attachments* (e.g. water sprinkler system, magnet etc.)
- 2 Largest range of applications**
Processing of many types of material with the toughest requirements (such as c&d debris, concrete, tyres, waste wood, household and industrial waste, etc.)
- 3 Revolutionary shaft quick-change system**
Shortens maintenance times, refurbishment and changing different shaft types for uninterrupted operation
- 4 Maximum mobility in every situation**
Track system* and hooklift / multilift included as standard
- 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