

# **PRODUCTS**

## **TWO-SHAFT SHREDDERS**

# OUR SHREDDERS *ALL MODELS AT A GLANCE*

When choosing the right machine, our customers are usually faced with the question of which shredder is right for their specific requirements. Therefore, our two-shaft shredders are divided into three product lines and are available in both mobile and stationary versions.

In this product overview, you will find the optimum ARJES shredder for your individual applications!



**COMPAKTOR 300**

**COMPACT CLASS**

**EKOMAXX 800**

**INTERMEDIATE CLASS**



**TITAN 900/950**

**HEAVY-DUTY CLASS**

## Mobile machines

### Standard equipment:

- Crawler track system
- Quick change system
- SCU control system
- Overbelt magnet
- Reversible fan
- Water sprinkler system

## Stationary machines

### Standard equipment:

- Separate shredding and control unit
- Quick change system
- SCU control system



**COMPAKTOR 300 e-pu**

COMPACT CLASS

**EKOMAXX 800 e-pu**

INTERMEDIATE CLASS



**TITAN 900/950 e-pu /d-pu**

HEAVY-DUTY CLASS

# COMPAKTOR 300 MOBILE COMPACT CLASS

The COMPAKTOR 300 is not a blank sheet on the global recycling market. True to the motto 'Never change a running system', we offer proven ARJES technology in the mobile compact class in a field-tested and competitive design.

Disposal companies in the construction and demolition industry value the ARJES brand for their extremely flexible and robust shredders at the best price-performance ratio. But also operators who want to expand their range of products with a compact 160 kW shredder will also find the best solution here.



## RECOMMENDED APPLICATIONS

 **Construction Waste**  
Ø 80 – 100 t/h

 **Rubber and Waste Tires**  
Ø 6 – 12 t/h

 **Waste Wood**  
Ø 5 – 15 t/h

 **Commercial Waste**  
Ø 5 – 15 t/h

 **Green Waste**  
Ø 12 – 25 t/h

 **Aluminium**  
Ø 10 – 15 t/h

## Shaft types



Concrete  
Shafts



Paddle  
Shafts



Star  
Shafts

# Technical highlights

## REVERSIBLE FAN

### Included!

Efficient engine cooling and cleaning for a significantly longer lifetime



## SHREDDING UNIT

Large-volume hopper with mechanically adjustable side combs for regulating the final grain size



## SCU CONTROL SYSTEM

Optimally pre-adjusted rotation of the shredding shafts including remote control for moving and operating



## HOOK LIFT

Easy transport to any place of work thanks to the hydraulically lowerable chassis and low empty weight



## WATER SPRINKLER

### Included!

Reduction of dust generation when discharging the shredded material



## OVERBELT MAGNET

### Included!

Strong permanent magnet for effective Fe separation



## DRIVE

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



## CRAWLER CHASSIS

### Included!

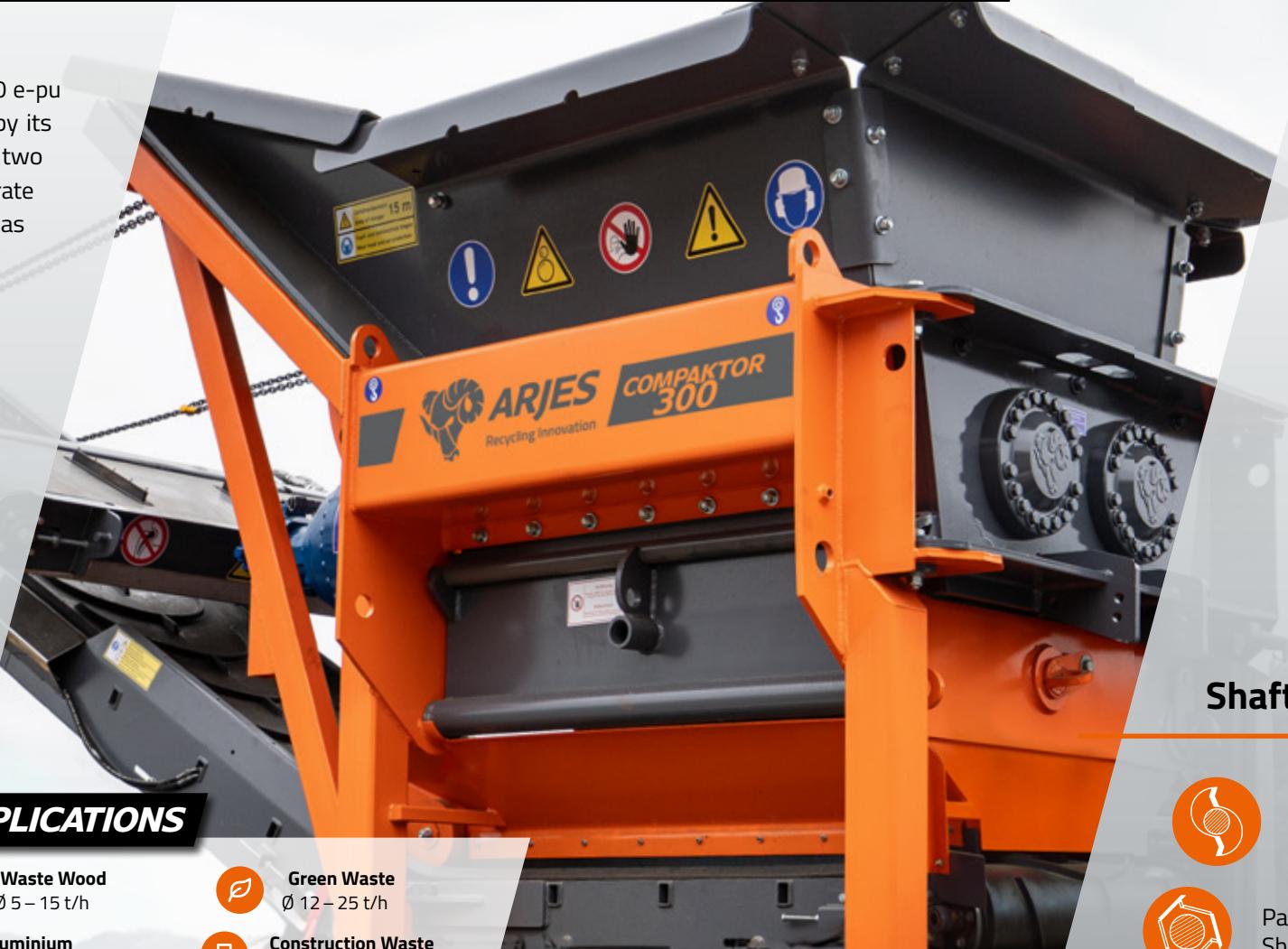
Optimum manoeuvrability on any terrain  
(Optional: rubber track system)



# COMPAKTOR 300 e-pu STATIONARY COMPACT CLASS

The stationary ARJES COMPAKTOR 300 e-pu two-shaft shredder is characterised by its compact design and division into two separate units, making it easy to integrate into existing recycling plants or use as a stand-alone machine.

With its efficient 160 kW electric motor, it offers high efficiency with low energy and maintenance costs and is suitable for the efficient processing of materials such as commercial waste, natural and waste wood, rubber and waste tires and much more.



## RECOMMENDED APPLICATIONS

 Commercial Waste  
Ø 5 – 15 t/h

 Waste Wood  
Ø 5 – 15 t/h

 Green Waste  
Ø 12 – 25 t/h

 Rubber and Waste Tires  
Ø 6 – 12 t/h

 Aluminium  
Ø 10 – 15 t/h

 Construction Waste  
Ø 80 – 100 t/h

## Shaft types



Concrete Shafts



Paddle Shafts



Star Shafts

# Technical highlights

## DISCHARGE BELT

Optional!

1,000 mm wide and 5,000 mm long cleated belt conveyor for optimum material discharge



## SHREDDING UNIT

Large-volume hopper with mechanically adjustable side combs for regulating the final grain size



## OVERBELT MAGNET

Optional!

Strong permanent magnet for effective Fe separation



## STATIONARY

Separate positioning of the control and shredding unit minimises vibrations to the control system



## CONTROL SYSTEM

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



## DRIVE

Powerful **electric motor** with **160 kW** impresses with high efficiency and low energy costs



# EKOMAXX 800 MOBILE INTERMEDIATE CLASS

The ARJES EKOMAXX 800 is a mobile two-shaft shredder that impresses with its crawler track system as standard, innovative quick change system, tilting hopper, robust design and a long lifetime.

With an energy-efficient 235 kW diesel motor, it offers an optimum cost-benefit ratio for our customers. Typical users are mainly found in composting and wood processing plants as well as in the treatment of commercial waste.



## RECOMMENDED APPLICATIONS

 Commercial Waste  
Ø 12 – 25 t/h

 Trunk Wood  
Ø 15 – 35 t/h

 Rubber and Waste Tires  
Ø 7 – 15 t/h

 Waste Wood  
Ø 20 – 50 t/h

 Green Waste  
Ø 35 – 80 t/h

 Paper and Cardboard  
Ø 15 – 30 t/h

## Shaft types



Paddle  
Shafts



Star  
Shafts

# Technical highlights

## REVERSIBLE FAN

### Included!

Hydraulically adjustable and self-cleaning fan for circulation in the engine compartment



## SHREDDING UNIT

Large-volume hopper with mechanically adjustable side combs for regulating the final grain size



## SCU CONTROL SYSTEM

Optimally pre-adjusted rotation of the shredding shafts including remote control for moving and operating



## ТИЛТИНГ HOPPER

### Included!

Adjustable tilting hopper up to 180° for optimum material feed



## WATER SPRINKLER

### Included!

Reduction of dust generation when discharging the shredded material



## OVERBELT MAGNET

### Included!

Height-adjustable permanent magnet for effective Fe separation



## DRIVE

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



## CRAWLER CHASSIS

### Included!

Optimum manoeuvrability on any terrain  
(Optional: rubber track system)



# EKOMAXX 800 e-pu STATIONARY INTERMEDIATE CLASS

The EKOMAXX 800 e-pu is the stationary electric version of the ARJES intermediate class and is particularly suitable for customers with high exhaust and noise emission requirements. The machine can be integrated into existing recycling systems or used as a stand-alone unit.

With a powerful 250 kW electric motor, it offers high energy efficiency and is designed for processing materials such as green waste, natural and waste wood, commercial and bulky waste as well as waste tires, paper and cardboard.



## RECOMMENDED APPLICATIONS

 Commercial Waste  
Ø 12 – 25 t/h

 Trunk Wood  
Ø 15 – 35 t/h

 Rubber and Waste Tires  
Ø 7 – 15 t/h

 Waste Wood  
Ø 20 – 50 t/h

 Green Waste  
Ø 35 – 80 t/h

 Paper and Cardboard  
Ø 15 – 30 t/h

## Shaft types



Paddle  
Shafts



Star  
Shafts



# Technical highlights

## DISCHARGE BELT

**Optional!**

1,000 mm wide and 7,000 mm long cleated belt conveyor for optimum material discharge



## SHREDDING UNIT

Large-volume hopper with mechanically adjustable side combs for regulating the final grain size



## OVERBELT MAGNET

**Optional!**

Height-adjustable permanent magnet for effective Fe separation



## ТИЛТИНГ HOPPER

**Included!**

Hydraulically adjustable tilting hopper; loading with a wheel loader up to 4,600 mm possible



## STATIONARY

Separate positioning of the control and shredding unit minimises vibrations to the control system



## CONTROL SYSTEM

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



## DRIVE

Powerful **electric motor** with **250 kW** impresses with high efficiency and low energy costs



\*Recommended retail price FCA plus applicable VAT and additional costs (transport, insurance, customs, etc.) as well as optional attachments

[www.arjes.de](http://www.arjes.de)

# TITAN 900 MOBILE HEAVY-DUTY CLASS

The ARJES TITAN 900 is a powerful mobile two-shaft shredder that reliably handles even the most demanding applications. Thanks to its versatility, it is ideal for companies with large quantities of commercial waste or for shredding heavy-duty tires and GFRP materials.

Equipped with a crawler track system and powered by a 405 kW diesel engine, it combines mobility and performance for efficient processing of commercial waste, CFRP and GFRP, waste tires, natural and waste wood.

## RECOMMENDED APPLICATIONS

 Commercial Waste  
Ø 25 – 50 t/h

 Waste Wood  
Ø 50 – 100 t/h

 Rubber and Waste Tires  
Ø 13 – 25 t/h

 Wooden Railway Sleepers  
Ø 25 – 50 t/h

 CFRP/GFRP Waste  
Ø 15 – 30 t/h

 Aluminium  
Ø 15 – 30 t/h

## Shaft types



Metal  
Shafts



Paddle  
Shafts



Star  
Shafts



# Technical highlights

## REVERSIBLE FAN

### Included!

Hydraulically adjustable and self-cleaning fan for circulation in the engine compartment



## SHREDDING UNIT

Large-volume hopper with hydraulically adjustable side combs for regulating the final grain size



## SCU CONTROL SYSTEM

Optimally pre-adjusted rotation of the shredding shafts including remote control for moving and operating



## OVERBELT MAGNET

### Included!

Height-adjustable permanent magnet for effective Fe separation



## WATER SPRINKLER

### Included!

Reduction of dust generation when discharging the shredded material



## DRIVE

Powerful **VOLVO PENTA**  
13 litre diesel engine  
for maximum efficiency  
during the shredding process



## CRAWLER CHASSIS

### Included!

Optimal mobility on the work site and quick and easy loading onto a low loader



# TITAN 900 e-pu/d-pu STATIONARY HEAVY-DUTY CLASS

The stationary TITAN 900 e-pu/d-pu is one of the most powerful shredding systems from ARJES. Thanks to the separate shredding and control units, it can be integrated into existing recycling plants or used as a stand-alone machine.

Available with two 250 kW electric motors or a 405 kW diesel engine, the machine offers maximum throughput rates for the efficient shredding of commercial waste, CFRP/GFRP materials, waste tires, waste wood and many other materials.



## RECOMMENDED APPLICATIONS

 Commercial Waste  
Ø 25 – 50 t/h

 Waste Wood  
Ø 50 – 100 t/h

 Rubber and Waste Tires  
Ø 13 – 25 t/h

 Wooden Railway Sleepers  
Ø 25 – 50 t/h

 CFRP/GFRP Waste  
Ø 15 – 30 t/h

 Aluminium  
Ø 15 – 30 t/h

## Shaft types



Metal Shafts



Paddle Shafts



Star Shafts

# Technical highlights

## DISCHARGE BELT

**Optional!**

1,200 mm wide cleated belt with customised belt length according to customer requirements



## SHREDDING UNIT

Large-volume hopper with hydraulically adjustable side combs  
(Optional: hopper elevation)



## OVERBELT MAGNET

**Optional!**

Height-adjustable permanent magnet for effective Fe separation



## STATIONARY

Separate positioning of the control and shredding unit minimises vibrations to the control system



## CONTROL SYSTEM

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



## DRIVE

Two powerful **250 kW** electric motors or optionally with VOLVO PENTA **405 kW** diesel engine



# TITAN 950 MOBILE HEAVY-DUTY CLASS

The ARJES TITAN 950 is a high-performance mobile two-shaft shredder, which makes this machine the ideal choice for powerful volume reduction and separation of ferrous and non-ferrous materials. Despite its impressive dimensions, it remains flexible and versatile on any terrain thanks to the crawler track system fitted as standard.

Powered by a 405 kW diesel engine, the shredder can handle even the most demanding applications in waste processing and the pre-shredding of automotive and light scrap.



## RECOMMENDED APPLICATIONS

 **Commercial Waste**  
Ø 25 – 50 t/h

 **Aluminium**  
Ø 15 – 30 t/h

 **White Goods**  
Ø 20 – 40 t/h

 **Rubber and Waste Tires**  
Ø 13 – 25 t/h

 **Cars and Light Scrap**  
Ø 12 – 25 t/h

 **Engine Blocks**  
Ø 15 – 30 t/h

## Shaft types



Metal  
Shafts



Paddle  
Shafts



Star  
Shafts

# Technical highlights

## OVERBELT MAGNET

**Included!**

Lengthwise, built-in rigid permanent magnet for effective Fe separation



## REVERSIBLE FAN

**Included!**

Hydraulically adjustable and self-cleaning fan for circulation in the engine compartment



## SHREDDING UNIT

Large-volume hopper with hydraulically adjustable side combs for regulating the final grain size



## SCU CONTROL SYSTEM

Optimally pre-adjusted rotation of the shredding shafts including remote control for moving and operating



## CROSS BELT

**Included!**

For lateral discharge of the separated non-ferrous fraction



## WATER SPRINKLER

**Included!**

Reduction of dust generation when discharging the shredded material



## DRIVE

Powerful **VOLVO PENTA**  
13 litre diesel engine  
for maximum efficiency  
during the shredding process



## CRAWLER CHASSIS

**Included!**

Optimal mobility on the work site and quick and easy loading onto a low loader



# TITAN 950 e-pu/d-pu STATIONARY HEAVY-DUTY CLASS

The TITAN 950 e-pu/d-pu is one of the most powerful stationary two-shaft shredders from ARJES and offers maximum efficiency for the most demanding shredding applications. It is available in two versions and features a specially reinforced hopper that can withstand extreme loads with ease.

Equipped with two 250 kW electric motors or a 405 kW diesel engine, the shredding machine offers maximum throughput rates and is particularly suitable for the efficient processing of automotive and light scrap.



## RECOMMENDED APPLICATIONS

 Cars and Light Scrap  
Ø 12 – 25 t/h

 White Goods  
Ø 20 – 40 t/h

 Engine Blocks  
Ø 15 – 30 t/h

 Aluminium  
Ø 15 – 30 t/h

## Shaft types



Metal Shafts



Paddle Shafts



Star Shafts

# Technical highlights

## DISCHARGE BELT

**Optional!**

1,200 mm wide steel-reinforced conveyor belt for a tear-resistant discharge of shredded metal



## SHREDDING UNIT

Specially reinforced volume hopper with hydraulically adjustable side combs  
(Optional: hopper elevation)



## OVERBELT MAGNET

**Optional!**

Height-adjustable permanent magnet for effective Fe separation



## STATIONARY

Separate positioning of the control and shredding unit minimises vibrations to the control system



## CONTROL SYSTEM

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



## DRIVE

Two powerful **250 kW** electric motors or optionally with VOLVO PENTA **405 kW** diesel engine



\*Recommended retail price FCA plus applicable VAT and additional costs (transport, insurance, customs, etc.) as well as optional attachments

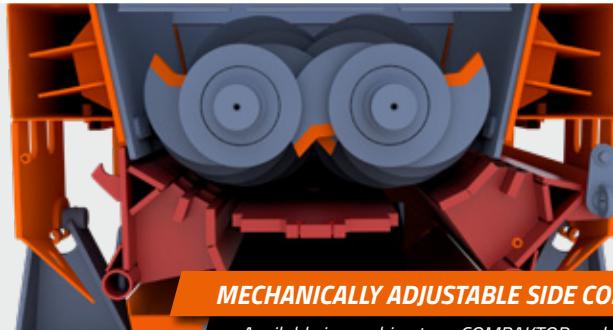
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# OUR TECHNOLOGY PRACTICAL AND SOLUTION-ORIENTED

## Adjustable side combs

To regulate the final grain size, the side combs of the shredding chamber can be opened or closed mechanically or hydraulically in dependence on the type of machine.

In this way, the throughput of the shredder can be adjusted to the customer's requirements and the quality-assuring processing of the waste material.



**MECHANICALLY ADJUSTABLE SIDE COMBS**

Available in machine type COMPAKTOR and EKOMAXX



**HYDRAULICALLY ADJUSTABLE SIDE COMBS**

Available in machine type TITAN (except 950 e-pu/d-pu)



**HYDRAULICALLY DAMPED SIDE COMBS**

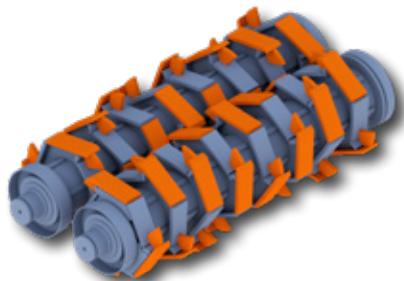
Available in machine type TITAN 950 e-pu/d-pu

*"We have the right  
solution for every  
kind of challenge"*

## Two-shaft shredding

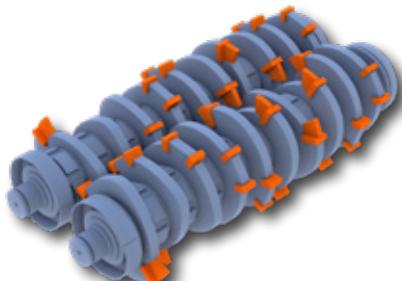
Our shredding shafts form the basis of every pre-shredding application case. They are made of high wear-resistant steel combined with an excellent surface. The versatility of use meets the requirements of the industry.

The different arrangement of shaft discs and knives decides upon the type of application. In case of wear, the proven ARJES quick change system allows an easy change of the shredding shafts.



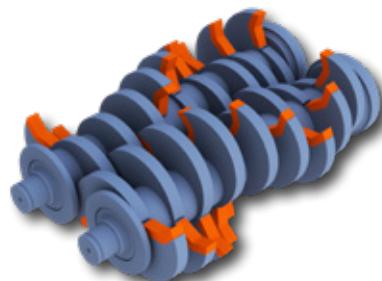
### PADDLE SHAFTS

The best choice for commercial waste, rubber and waste tires, natural and waste wood as well as paper and cardboard packages.



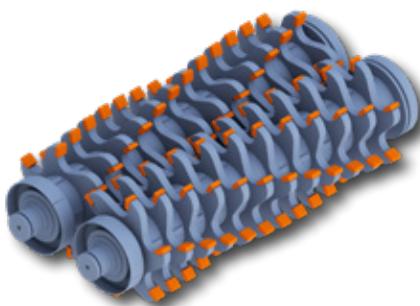
### METAL SHAFTS

These particularly resistant shredding shafts are mainly used in the field of automotive and light scrap treatment.



### CONCRETE SHAFTS

Crushing, not cutting. With this type of shafts, you are best equipped to handle your construction and demolition waste.



### STAR SHAFTS

Reliable performance and flexible application options for universal requirements and maximum versatility.

### SHAFT BODY

The shaft body is the basis structure of every shaft on which the shaft discs and the shredding tools are welded on.



### SHAFT DISCS

Shape and arrangement of the discs play a significant role in determining which type of material can be shredded.



### SHAFT KNIVES

Worn knives can be refurbished easily and inexpensively.



# TECHNICAL DATA DIMENSIONS AND PERFORMANCE IN COMPARISON

## Mobile Shredder



	COMPAKTOR 300	EKOMAXX 800	TITAN 900	TITAN 950
DIMENSIONS	Length (mm) 7,800 / 7,200 ( <i>transport</i> )	9,900 / 8,100 ( <i>transport</i> )	11,000 / 11,000 ( <i>transport</i> )	13,000 / 13,000 ( <i>transport</i> )
	Width (mm) 2,300 / 2,300 ( <i>transport</i> )	2,450 / 2,450 ( <i>transport</i> )	3,000 / 3,000 ( <i>transport</i> )	5,700 / 3,000 ( <i>transport</i> )
	Height (mm) 3,700 / 2,600 ( <i>transport</i> )	4,000 / 3,100 ( <i>transport</i> )	4,200 / 3,700 ( <i>transport</i> )	4,300 / 3,700 ( <i>transport</i> )
	Weight (kg) 15,000	21,000	35,000	38,500
	Discharge height (mm) 3,100	3,300	3,500	3,500
DRIVE	Engine type Diesel - TAD 582 VE ( <i>EU/US</i> ) Diesel - TAD 551 VE ( <i>ROW</i> )*	Diesel - TAD 883 VE ( <i>EU/US</i> ) Diesel - TAD 853 VE ( <i>ROW</i> )*	Diesel - TAD 1385 VE ( <i>EU/US</i> ) Diesel - TAD 1650 VE-B ( <i>ROW</i> )*	Diesel - TAD 1385 VE ( <i>EU/US</i> ) Diesel - TAD 1650 VE-B ( <i>ROW</i> )*
	Emission standard Stage V ( <i>EU</i> ) / EPA Tier IV ( <i>US</i> ) Stage III A ( <i>ROW</i> )*	Stage V ( <i>EU</i> ) / EPA Tier IV ( <i>US</i> ) Stage III A ( <i>ROW</i> )*	Stage V ( <i>EU</i> ) / EPA Tier IV ( <i>US</i> ) Stage III A ( <i>ROW</i> )*	Stage V ( <i>EU</i> ) / EPA Tier IV ( <i>US</i> ) Stage III A ( <i>ROW</i> )*
	Power (kW / HP) 160 / 220	235 / 320	405 / 550	405 / 550
	Fuel capacity (l) 330	400	800	800
SHREDDING UNIT	Hopper volume (m <sup>3</sup> ) 2.25	4.5 ( <i>incl. tilting hopper</i> )	5	5
	Shaft length (mm) 1,500	2,000	2,500	2,500
	Shaft diameter (mm) 680	680	860	860
	Weight (kg / cassette) 3,100	3,500	7,650	7,650
	Rotation speed (rpm) 38	42	45	45



Average height of 1.80m as a reference for machine size / \*Rest of the world (country-specific requirements)

# Stationary Shredder



	COMPAKTOR 300 e-pu	EKOMAXX 800 e-pu	TITAN 900 e-pu	TITAN 950 e-pu		
DIMENSIONS	Shredding unit					
	Length (mm)	3,300 / 6,750 (incl. discharge belt)	5,300 / 11,100 (incl. discharge belt)	4,700 / Optional belt length	4,500 / Optional belt length	
	Width (mm)	2,300	2,300	3,000	3,000	
	Height (mm)	3,200	3,000 / 4,300 (incl. discharge belt)	3,100 / 4,300 (incl. hopper elevation)	3,000 / 4,200 (incl. hopper elevation)	
	Weight (kg)	12,000 (incl. discharge belt)	16,000 (incl. discharge belt)	19,000 (incl. discharge belt)	23,000 (incl. discharge belt)	
	Discharge height (mm)	3,200	4,250	2,450 / 3,450 / 4,670	2,450 / 3,450 / 4,670	
	Control unit					
	Length (mm)	2,700	2,700	3,500	3,500	
	Width (mm)	1,600	1,600	2,300	2,300	
	Height (mm)	2,700	2,700	2,700	2,700	
	Weight (kg)	3,500	4,500	7,000	7,000	
DRIVE	Engine type	Electric	Electric	Electric	Diesel*	
	Power (kW / HP)	160	250	2x250	405	2x250
SHREDDING UNIT	Hopper volume (m³)	2.25	4	5	5	
	Shaft length (mm)	1,500	2,000	2,500	2,500	
	Shaft diameter (mm)	680	680	860	860	
	Weight (kg / cassette)	3,100	3,500	7,650	7,650	
	Rotation speed (rpm)	38	42	15 – 45	45	15 – 45



Average height of 1.80m as a reference for machine size / \*Engine type and emission standard according to mobile version



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Disclaimer: We reserve the right to make technical changes, misprints and errors. All specifications refer to the standard version without optional features. Status: January 2025



## 5 CONVINCING ARGUMENTS FOR YOUR RECYCLING SOLUTIONS WITH ARJES

- 1 **Largest range of applications**  
Processing of many types of material with the toughest requirements
- 2 **Flexible drive options**  
Mobile shredders with diesel engine or stationary electric/diesel versions
- 3 **Innovative shaft quick change system**  
Facilitates maintenance, reconditioning and changing the shaft type
- 4 **International sales and service network**  
Qualified and experienced specialists around the globe
- 5 **Best price-performance ratio in the industry**  
Maximum benefit for our distributors, customers and operators