



ARJES
UKRAINE



www.arjes.com.ua

ABOUT US



Arjes Ukraine Ltd is the leading Ukrainian manufacturer of shredding equipment for primary and secondary shredding of domestic and industrial wastes, wastewood, biomass, reinforced concrete, metal scrap, asphalt, construction debris, tyres etc.

The company entered the market in 2013, and now is the first Ukrainian producer, well known at the world market of shredding machinery.

Production capacities of Arjes Ukraine (land plot 130 000 m², production area 9 000 m²) and highly qualified staff with more than 180 employees make it possible to promptly manufacture high quality modern equipment in compliance with the needs of clients.

The company offers the services of setting equipment into operation, operators training, warranty period and after-sales service, supply of components and spare parts as well as consulting and support over the entire operation period.

Arjes Ukraine pursues reasonable price and service policy. Special attention is paid to technical aspects of the equipment servicing such as replacement of units, assembly/disassembly and diagnostic operations.

Today Arjes Ukraine Ltd is a reknown brand of innovative, high technology and reliable shredding equipment in the markets of Europe, Asia and the USA.



CONTACTS

*72 Shashkevycha str.
Ozhydiv, Busk 80530
Lviv region, Ukraine
tel. +38(03264)46984
mob. +38(067)6728469
e-mail: office@arjes.com.ua*



OUR PARTNERS



ARJES
Recycling Innovation



PRODUCTS



- **Double shaft primary shredders**
 - *Impaktor 250 — universal mobile shredder*
 - *VZ 750 — mobile or stationary shredder*
 - *VZ 850 — mobile or stationary shredder*
 - *VZ 950 Titan — shredder with maximum capacity*

- **Secondary shredders**
 - *MH 950 Titan — rotor-type secondary shredder*

- **Disk wood chippers for wastewood**
 - *Wood chipper RM 41 with electric engine*
 - *Wood chipper RM 51 for tractors*
 - *Wood chipper RM 61 mobile, with diesel engine*

- **Other equipment**
 - *Drum-type hammer mill RM 71*
 - *Wood chipping complex RK 847*
 - *Hydraulic log splitter K-450*

Impaktor 250



IMPAKTOR 250 is a universal double shaft shredder, concise and mobile, intended for shredding of reinforced concrete, wastewood, asphalt, natural stone, metal scrap, and other types of solid wastes.

Asynchronous drive of the shafts provides for better shredding of the material, whereas automatic reverse function prevents material from jamming. Easy and convenient operation either via control panel or remote control. Short set-up time — ready to use in just 2 minutes.

Technical data

Engine VOLVO PENTA 160 kW (220 h.p.)

Emmissions standart Tier 4

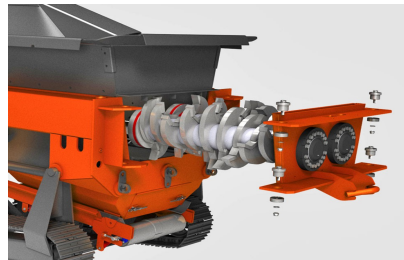
Shaft length 1,5 m

Dimensions 6,7m x 2,4m x 2,8m

Weight 13,5 t

Advantages of Impaktor 250

- big hopper allows shredding really big chunks of material
- mobile and easy to use with crawler track
- overband magnet efficiently separates metal parts
- belt conveyor, discharge height up to 3 m
- mobile hook lift transportation
- two-stage shredding system



Shredder VZ 750



VZ 750 is a double shaft shredder for various types of big size materials.

Several different models are available: diesel or electric engine, stationary or mobile, trailer-based or with crawler track.

Technical data

| Model | VZ 750 D | VZ 750 DK | VZ 750 Dt | VZ 750 E |
|-----------------|------------------|------------------|------------------|-------------|
| Type | wheel-mounted | crawler track | trailer-base | stationary |
| Engine | 235 kW (320h.p.) | 235 kW (320h.p.) | 235 kW (320h.p.) | 250 kW |
| Dimensions, mm | 6,5x2,4x2,6 | 8,2x2,5x3,0 | 9,7x2,5x3,8 | 7,8x2,4x2,9 |
| Shaft length, m | 1,75 | 1,75 | 1,75 | 1,75 |
| Weight, t | 15 | 20 | 20,5 | 16 |

Advantages of shredder VZ 750

- two tilting hoppers provide smooth feeding of material to operating zone
- belt conveyor, 1-1,2m wide, discharge height up to 4,8m
- overband magnet efficiently separates metal parts
- low noise level due to optimized design and effective sound insulation
- automatic reverse function for the shafts in case of overload
- registered blade shape
- regular shafts restoration ensures long operation period



Shredder VZ 850



VZ 850 is a powerful double shaft shredder with high production capacity, intended for big chunks of different types of material. Various models are available: stationary and mobile, with diesel or electric engine.

Technical data

| Model | VZ 850 D | VZ 850 DK | VZ 850 E |
|-----------------|------------------|------------------|-------------|
| Engine | 565 kW (768h.p.) | 565 kW (768h.p.) | 2x160 kW |
| Dimensions, m | 8,0x2,5x2,8 | 8,8x2,9x3,2 | 8,2x2,5x2,9 |
| Shaft length, m | 2,0 | 2,0 | 2,0 |
| Weight, t | 20 | 26 | 20 |

Advantages of shredder VZ 850

- integrated fine dust filter frees the engine compartment of dust particles
- optimal wheel axle with solid rubber tires
- two tilting hoppers provide smooth feeding of material to operating zone
- overband magnet efficiently separates metal parts
- low noise level due to optimized design and effective sound insulation
- automatic reverse function for the shafts in case of overload
- registered blade shape
- regular shafts restoration ensures long operation period



Shredder VZ 950



VZ 950 is the most powerful machine in the line of double shaft shredders, efficient and reliable for shredding of practically any type of material. Modular design allows minimising the time and cost for its maintenance.

Technical data

| | | |
|------------------------|-------------------------|--------------------|
| Model | VZ 950 DK | VZ 950 E-PU |
| Engine | 565 kW (768h.p.) | 2x250 kW |
| Dimensions, m | 10,8x3,0x4,3 | 9,0x3,0x3,3 |
| Shaft length, m | 2,5 | 2,5 |
| Weight, t | 33 | 35 |

Advantages of shredder VZ 950

- mobile or stationary model with diesel or electric engine
- two tilting hoppers provide smooth feeding of material to operating zone
- automatic reverse function for the shafts in case of overload
- high production capacity — depending on material and shafts — up to 180 t/h



MH 950 TITAN



Powerful secondary shredder

Потужний вторинний подрібнювач роторного типу для подрібнення різного типу матеріалів до фракції найдрібнішого розміру.

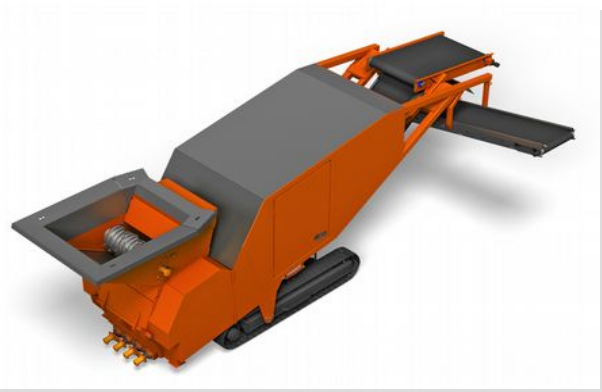
Завдяки оптимізації конструкції машини зменшено вагу та вартість подрібнювача, що дозволяє не лише заощадити кошти на придбання машини, але і полегшує транспортування.

Technical data

| | |
|----------------------|--------------------------------|
| Engine | Volvo Penta 565 kW. (768 h.p.) |
| Dimensions, m | 10,0x2,9x3.700 |
| Rotor diameter, mm | 800 |
| Speed, rpm | 1000 |
| Screen mesh size, mm | 80x80 - 150x150 |
| Weight, t | 30 |

Advantages of secondary shredder MH 950

- best ratio 'price-production capacity' in its class
- quick-change rotor system reduces stand-by time
- increased mobility on every terrain thanks to crawler track



Wood chipper RM 41



Disk wood chipper for crushing wastewood into technological and fuel chips. Stationary model with electric engine.

Technical data

Electric engine 30 kW or 55 kW, 1000 rpm

2- or 3- blades chipping disk

Production capacity: up to 15 m³/h

Input material size: up to 180mm

Chips size: up to 20mm/up to 40mm

Advantages of wood chipper RM41

- design excludes disk fracture
- blades fitting improves the feed of wastewood and reduces disk friction
- disk clutch allows quick resetting to a required fraction
- non-jamming system
- ejection system prevents from output of oversize chips
- feed rollers with independent hydraulic engines each
- hydraulic distributor for feed rollers reverse
- direct rollers drive provides for easy maintenance
- feeding control is simple and convenient



Extra options of electric wood chipper RM 41



Belt conveyor

For safe feed of wastewood into the chipper, which increases production capacity and automation of production process.

Drum sieve

Drum sieve is intended for size grading of the chips. There is a possibility to screen chips in several stages for separation of zero fraction and oversize chips. When oversize chips, larger than sieve mesh, get into the drum, they are brought back to the wood chipper for rechipping.

Feed table

Designed for large size wood, and allows raising the production capacity. Motor reducer 2,2 kW provides for automated feed.

Speed regulator

Extra option, installed by request, regulates the speed of drag rollers rotation, which enables adjusting the size of output chips, and, respectively, production capacity of the secondary chipper.



Wood chipper RM 51

Wood chipper for tractors, to crush wastewood into technological or fuel chips.

Technical data

Operated from power take-off of the tractor

2- or 3- blades chipping disk

Production capacity: up to 12 m³/h

Input material size: up to 180mm

Chips size: up to 20mm/up to 40mm

Advantages of wood chipper RM51

- transportable to required site
- possible to connect a trailer unit for chips
- adapted for any tractor with frequency min 1000 rpm
- can be connected to power supply via electric drive 30kW
- design excludes disk fracture
- blades fitting improves the feed of wastewood and reduces disk friction
- disk clutch allows quick resetting to a required fraction
- non-jamming system
- direct rollers drive provides for easy maintenance



Wood chipper RM 61



Mobile wood chipper, disk type, with diesel engine, for crushing wastewood into technological or fuel chips.

Technical data

Diesel Engine D 243

2- or 3- blades chipping disk

Production capacity: up to 12 m³/h

Fuel consumption: 8-12 l/h

Input material size: up to 180mm

Chips size: up to 20mm/up to 40mm

Advantages of wood chipper RM41

- transportable to required site by trailer hitch to any vehicle
- self-sufficient operation
- design excludes disk fracture
- blades fitting improves the feed of wastewood and reduces disk friction
- disk clutch allows quick resetting to a required fraction
- non-jamming system



Hammer mill RM 71



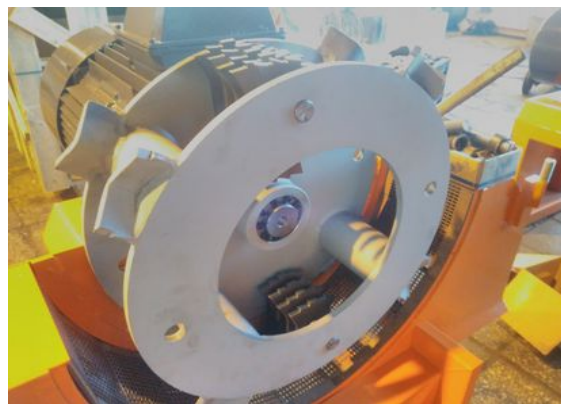
Secondary rotor-type hammer mill for crushing the chips received from primary disk wood chippers into sawdust to be used for burning in boilers or production of extruded products, pellets, briquets, fiberboard, particle board, biofuel etc. Hammer mill RM71 is equipped with measuring hopper for smooth feed of material from the primary wood chipper.

Technical data

| | |
|--------------------------|--|
| Electric engine | 37 kW / 45 kW / 55 kW |
| Production capacity, k/h | up to 800 / up to 1000 / up to 1500 / up to 3000 |
| Input material size | 8x30 mm |
| Output chips size, mm | 0-10 |

Advantages of hammer mill RM 71

- two discharge options: screw conveyor or pneumatic discharge
- suitable for leaves or agricultural wastes shredding
- changeable screens for various output fraction size
- it is possible to connect two hammer mills simultaneously for increased capacity
- feed system is easy and convenient in operation



Wood chipping complex RK 847



Designed for comprehensive wood chipping and obtaining the minimum fraction to be used in production of pellets, briquets, biofuel etc. The complex consists of primary and secondary chippers.

Wastewood is fed at first to the **wood chipper RM41 (primary chipper)**. After that the chips are fed by relevant portions by screw conveyor of the measuring hopper to **hammer mill RM 71 (secondary chipper)** where they are shredded to the final minimum fraction. The size of the output material is regulated by screens installed at RM71.

Advantages of the complex RK 847

- shredding process from the beginning to the end
- obtaining final fraction of minimum size
- saving time
- high production capacity
- easy and convenient in operation and maintenance



Log splitter K 450



Hydraulic log splitter is good for efficient splitting of logs, tree roots etc. into firewood. The design allows adjusting the height of the blade and split the logs of optimal size.

Technical data

Electric engine 11 kW

Force 12 t

Speed of operating run 0,15 m/c

Length of operating run 55 — 105 cm

Upload height 850 mm

Log diameter up to 450 mm

Advantages of log splitter K 450

- can be equipped with 6 or 8-section blades
- the length of the log splitter or operating run can be increased, if required
- wheel axle allows moving the log splitter over the site



MATERIAL FOR SHREDDIGN

Wastewood, metal scrap, construction and other solid wastes, used tires, reinforced concrete, plastic etc.





WARRANTY AND MAINTENANCE

- Arjes Ukraine Ltd provides warranty and maintenance service for its products all over Ukraine.
- Experts of our company go to your productions site and promptly perform repair or maintenance works.
- If necessary, the machines are delivered directly to our plant, where they are fully restored.
- Arjes Ukraine Ltd offers post-warranty service and supply of components and spare parts.
- We offer setting into operation and personnel training for long and proper life time.
- Company experts constantly work on improvement of the design and performance indices of our shredders, as well as increase of their operation period.



REPRESENTATIVES OF OUR PRODUCTS IN THE WORLD



«ARJES UKRAINE» LTD

INNOVATIONS AS GUARANTEE OF YOUR SUCCESS!



«ARJES UKRAINE» LTD

Ukraine, Lviv region
Ozhydiv, Busk 80530
72 Shashkevycha str.
tel. +38(03264)46984
mob. +38(067)6728469
e-mail:office@arjes.com.ua

