



EN



ARJES

Recycling Innovation

VZ 950

titan



PRIMARY SHREDDER



Norbert Hammel
Technical Manager



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General Manager



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General Manager

OUR GOAL – MAXIMIZING CUSTOMER BENEFITS!

ARJES today is one of the globally leading manufacturers of mobile and electric stationary recycling technology. Innovation is the driving force and basic idea, which ARJES has followed since company founding in 2007. The team surrounding the technical manager Norbert Hammel can rely on 35 years of experience in recycling technology and machinery manufacturing. In Leimbach in the state of Thuringia in Germany around 150 employees produce trendsetting solutions for processing wood, biomass, waste, Thomas Hayn plastics, metall, construction debris and much more.

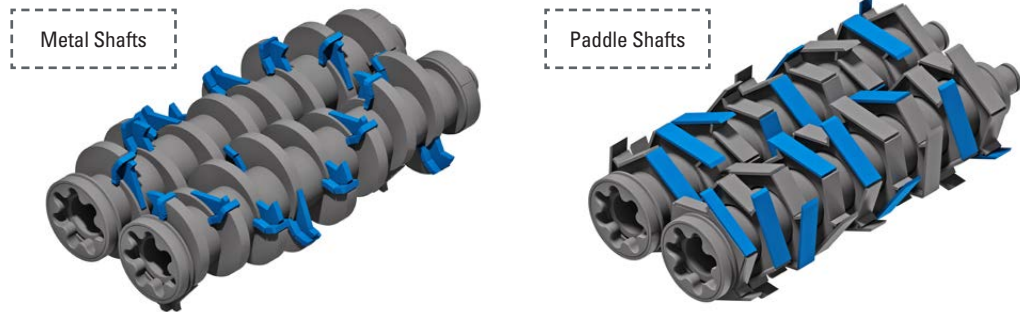
INNOVATION

IS OUR
DRIVING FORCE!



JUST TWO TYPES OF SHAFTS FOR ALL MATERIALS!

The slow speed two-shaft principle is the basis for all primary shredding solutions. Depending on material the configuration of shaft geometry (hooks, paddles, plates, blades) requires adjustments to achieve the best shredding results. The close relationship with our customers and evaluation of test and production situations gives us access to comprehensive experience. Therefore we can combine the best machine and shafts for individual customer solutions.



RECYCLING SYSTEMS



ARJES offers consulting, conception and integration of stationary electric shredding solutions into complete systems and existing facilities.

Depending on customer requirement and location conditions ARJES complements the project with conveyor systems, screening equipment and separation technology.



SERVICE AND SPARE PARTS

Regular maintenance and service extend life of machinery and complete systems and ensure correct functioning. We are here when you need fast support!

- ✓ Installation of equipment and training of operator personnel
- ✓ Service hotline provides technical support and analyzes failures
- ✓ Refurbishment of shafts and machinery
- ✓ Fast global delivery of wear and spare parts
- ✓ Engine and hydraulic service through qualified service engineers
- ✓ Test runs and fine tuning

VZ 950 TITAN | ONE SOLUTION FOR ALL MATERIAL REQUIREMENTS!

In nature the element Titan resembles stability, liability and sturdiness at comparable low weight. These key factors were the main drivers for the development of a new machine generation. Titan series shredders use adaptive technology to process different materials. By optimizing the machine concept and the associated production process, the investment costs could be made more attractive in the customer sense.

REVERSING FAN

Optimized air circulation for maximum power and reduced dust in the engine compartment (cleaning flap).



BELT MAGNET

Strong permanent magnet with discharge in material direction for ferrous separation (optional).



SHREDDING UNIT

High volume hopper and dual shaft system with quick-change cassette.



DRIVE/CONTROL

Strong Volvo Penta engine with approx. 768 Hp. Central control unit with multi display.



TRACKS

Included in machine price!
High maneuverability on difficult terrain.



SIDE BELT

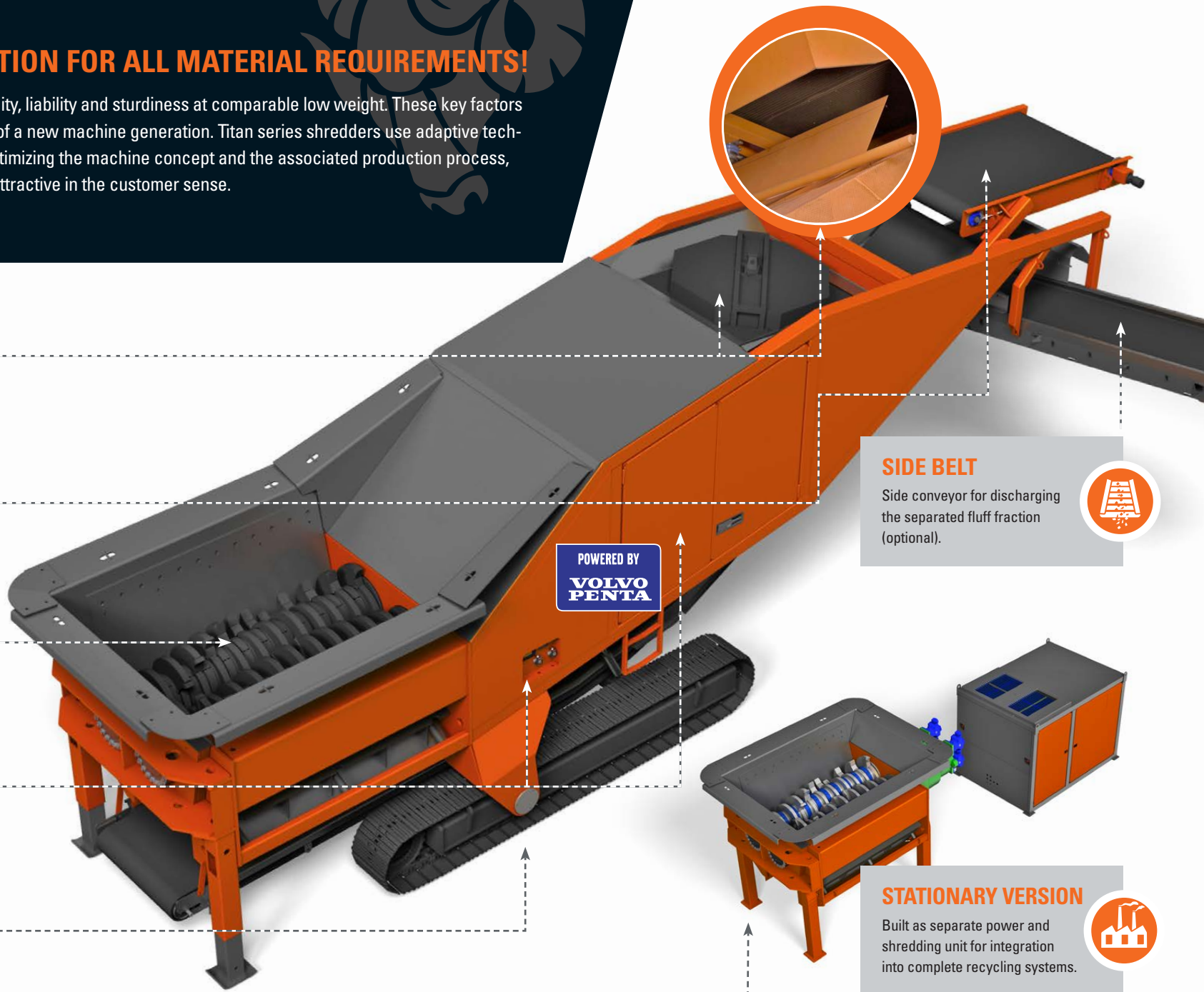
Side conveyor for discharging the separated fluff fraction (optional).



POWERED BY
**VOLVO
PENTA**

STATIONARY VERSION

Built as separate power and shredding unit for integration into complete recycling systems.



MEASUREMENTS

Model	Tracks
Length (mm)	10.800/11.500 (Transport)
Width (mm)	3.000/3.000 (Transport)
Height (mm)	4.300/3.600 (Transport)
Total weight (kg)	32.000

DRIVE

Engine	Volvo Penta TAD1643VE
Emission stage	EU Stage II / EPA Tier 2
Power (kW/PS)	565/768
Fuel tank (l)	800
Torque (Nm)	500.000

DISCHARGE BELT

Discharge Height (mm)	3.800
Width (mm)	1.200
Options	Magnet, Side belt

SHREDDING UNIT

Hopper volume (m³)	5
Shaft length (mm)	2.500
Shaft diameter (mm)	800
Weight (kg / cassette)	7.300
Rotational speed (rpm)	15–45



Quick-change cassette for shaft system

Easy assembly/disassembly of shafts within around one hour depending on location. Better maintenance, refurbishment and change of shafts for less stops during production.



Hydraulically adjustable side combs

The red coloured side combs can be hydraulically opened or closed and regulate the final material size. The position of the combs regulates the time the material spends in the shredding chamber.

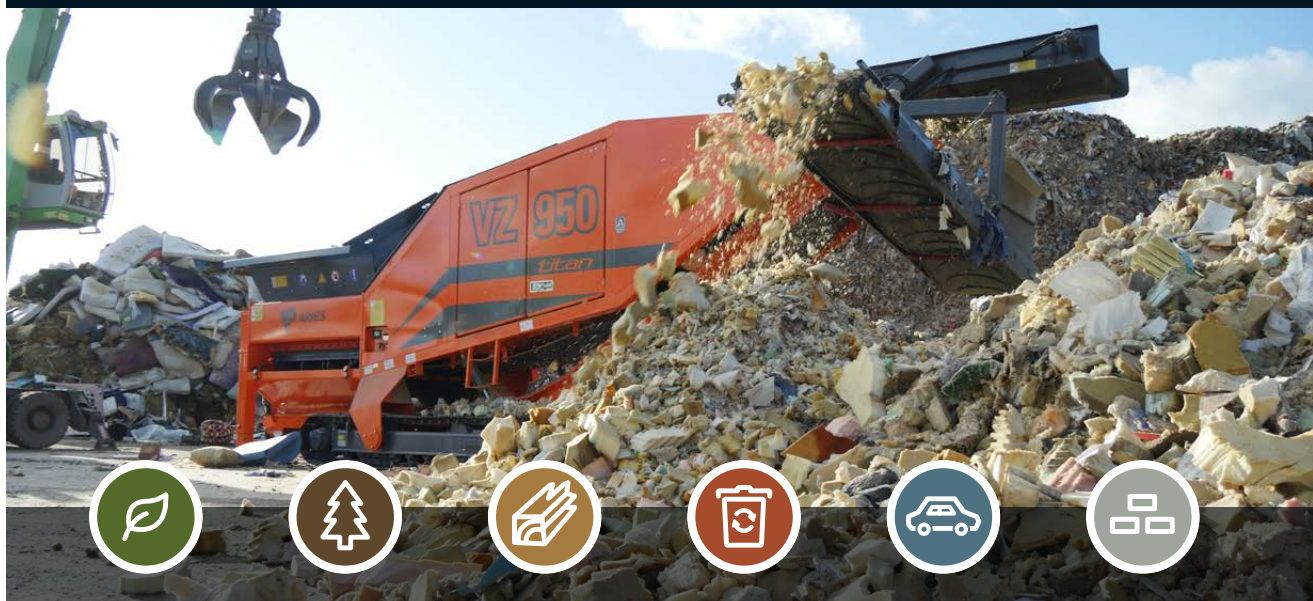


Shredding programs / hybrid shaft control

There are pre-set shredding programs to adjust shaft movement (speed, asynchronous/synchronous run, reversing times) to the currently processed materials.



APPLICATIONS



A large orange and black ARJES shredder machine is shown in a recycling facility. The machine is processing a large pile of waste, including plastic, metal, and wood. The shredded material is being discharged into a large pile on the left. The machine has a hopper at the top for loading waste and a conveyor system for discharging the shredded material. The ARJES logo and 'Recycling Innovation' tagline are visible on the side of the machine. Safety labels and warning signs are also present on the machine's body.

THE TITAN SERIES

PURE PERFORMANCE
HIGH ERGONOMICS
REAL FLEXIBILITY



5 WINNING ARGUMENTS

1

Best price-performance-ratio in its class

Up to 20% lower investment costs compared to the previous series

2

Quick-change shaft system

Easy maintenance and reduced machine stops

3

Multiple material options

With just two types of shafts

4

Tracks included in the price

Increased mobility on every terrain!

5

Easy to transport and adjust

20 % less weight compared to the previous series

COMPLETE SOLUTIONS FOR

SHREDDING & SEPARATION



ARJES

Recycling Innovation

ARJES GmbH | Recycling Innovation

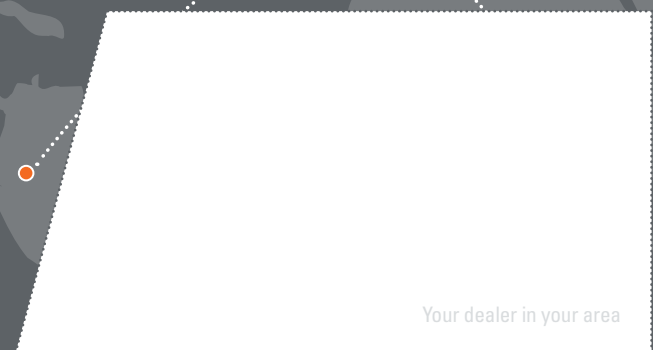
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