EN

PROVEN TECHNOLOGY. RETHOUGHT.

EUREC
ENVIRONMENTAL TECHNOLOGY

About the company of EuRec GmbH

Since its foundation in 1995, EuRec Environmental Technology GmbH has stood for proven quality and reliable recycling technology from Europe. The focus is on the development and manufacture of slow-speed two-shaft shredders that impress with their robustness, ease of maintenance and performance.
With a clear focus on the requirements of day-to-day operations, EuRec offers machines that reliably and economically process a wide range of material flows such as natural and waste wood as well as extremely challenging industrial waste and scrap metal.

Our technical solutions are developed in close cooperation with our customers – practical solutions for real-world applications. We attach great importance to ensuring that our machines are not only powerful, but also equipped with state-of-the-art components. This is how we create reliable work tools that prove themselves in everyday use and offer real added value.

EuRec Environmental Technology GmbH has been an official system partner of the RBG Group since 2024. Through this connection, we benefit from synergy effects in the areas of purchasing and logistics, comprehensive industry expertise and a strong network of sales and service partners – for even more stability, efficiency and customer proximity.

INFINITY

INFINITY 750

Synchronous / asynchronous shaft run*

Engine type	Volvo Penta	
Power	235 kW	
Emission	Stage V /EPA Tier IV	*Stage III A*
Torque	1,330 Nm	*1,310 Nm*
Weight	16,500 kg	
Discharge	4,600 mm	

ULTIMA

ULTIMA 850

Synchronous / asynchronous shaft run*

Engine type	Volvo Penta	
Power	315 kW	*285 kW*
Emission	Stage V /EPA Tier IV	*Stage III A*
Torque	1,950 Nm	*1,940 Nm*
Weight	23,500 kg	
Discharge	5,400 mm	

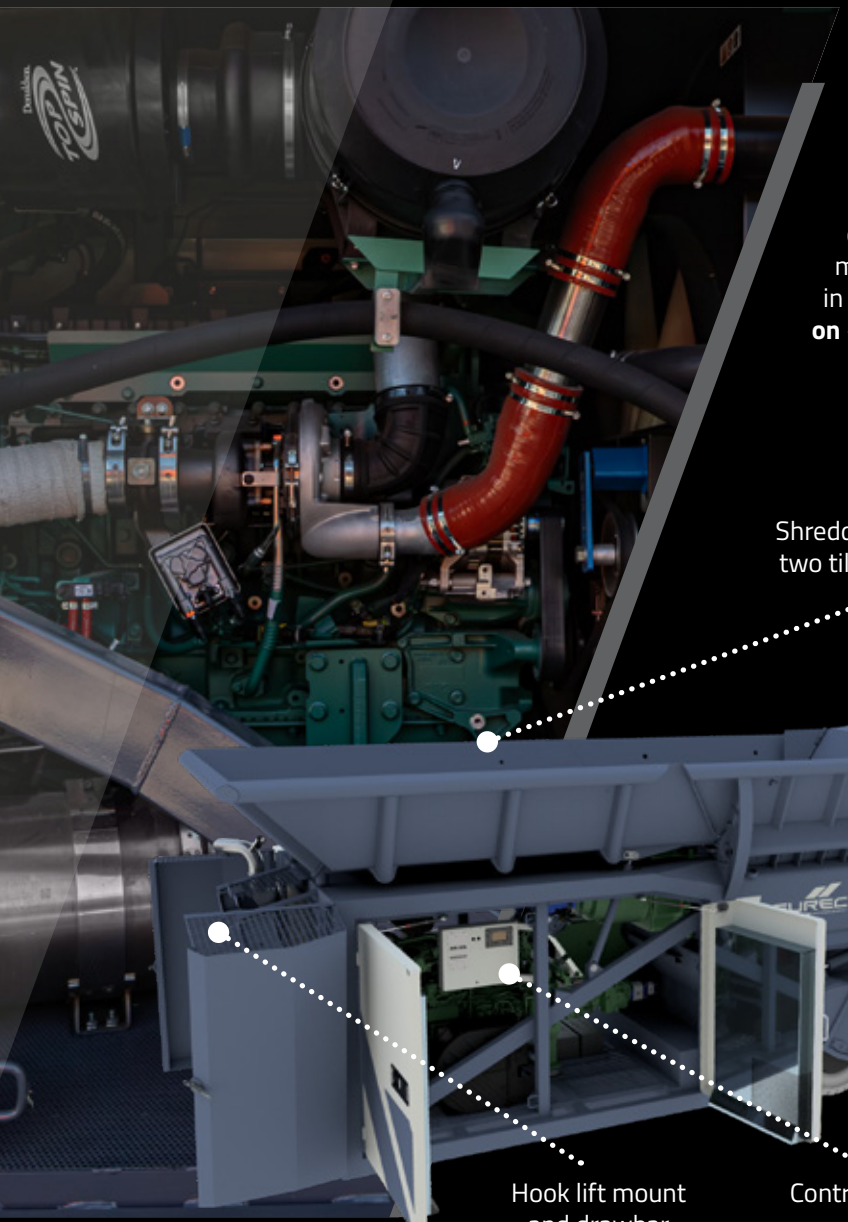
FERRO

FERRO 950 **NF-Version / FE-Version**

Exclusively asynchronous shaft run

Engine type	John Deere	
Power	677 kW	
Emission	Stage V/EPA Tier IV **without AdBlue**	
Torque	4,250 Nm	
Weight	49,000 kg (NF)	53,000 kg (FE)
Discharge	5,500 mm (NF)	3,500 mm (FE)

***The shredder can be equipped with a synchronous or asynchronous shaft configuration according to customer requirements. We'll be glad to advise you.**

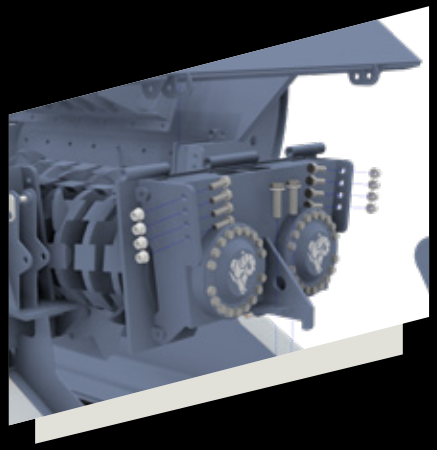


INFINITY 750

The EuRec INFINITY 750 impresses with its proven two-shaft technology and delivers a homogeneous, high-quality output material, especially when processing natural and waste wood – ideal for the requirements of demanding recycling companies. With practical details such as the shaft exchange cassette for time-saving maintenance access and the Volvo Penta diesel drive, the INFINITY 750 impresses with its efficiency and reliability in daily use. Depending on the application, the shredder is supplied ex works with the appropriate **shaft configuration** – in **synchronous** or **asynchronous** operation.

Dimensions	Length	12,000 mm / 6,900 mm *(transport)*	
	Width	2,500 mm / 2,500 mm *(transport)*	
	Height	2,600 mm / 2,600 mm *(transport)*	
	Weight	approx. 16,500 kg	
	Discharge height	4,600 mm	
Drive	Engine type	Volvo Penta TAD 883 VE	*TAD 853 VE**
	Power	235 kW / 320 PS	
	Emission standard	Stage V / EPA Tier IV	*Stage III A**
	Torque	1,330 Nm	*1,310 Nm**
	Fuel capacity	380 l	
Shredding Unit	Hopper volume	5.0 m³ *(incl. tilting hopper)*	
	Shaft length	1,750 mm	
	Shaft diameter	680 mm	
	Weight	approx. 3.000 kg / cassette	
	Rotation speed	15 – 38 rpm	

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



Exchangeable cassette for shredding shafts

The quick-change system enables the complete pair of shafts to be replaced – in both synchronised and asynchronous configurations. Shorter maintenance and servicing times ensure that the machine is quickly ready for use again.

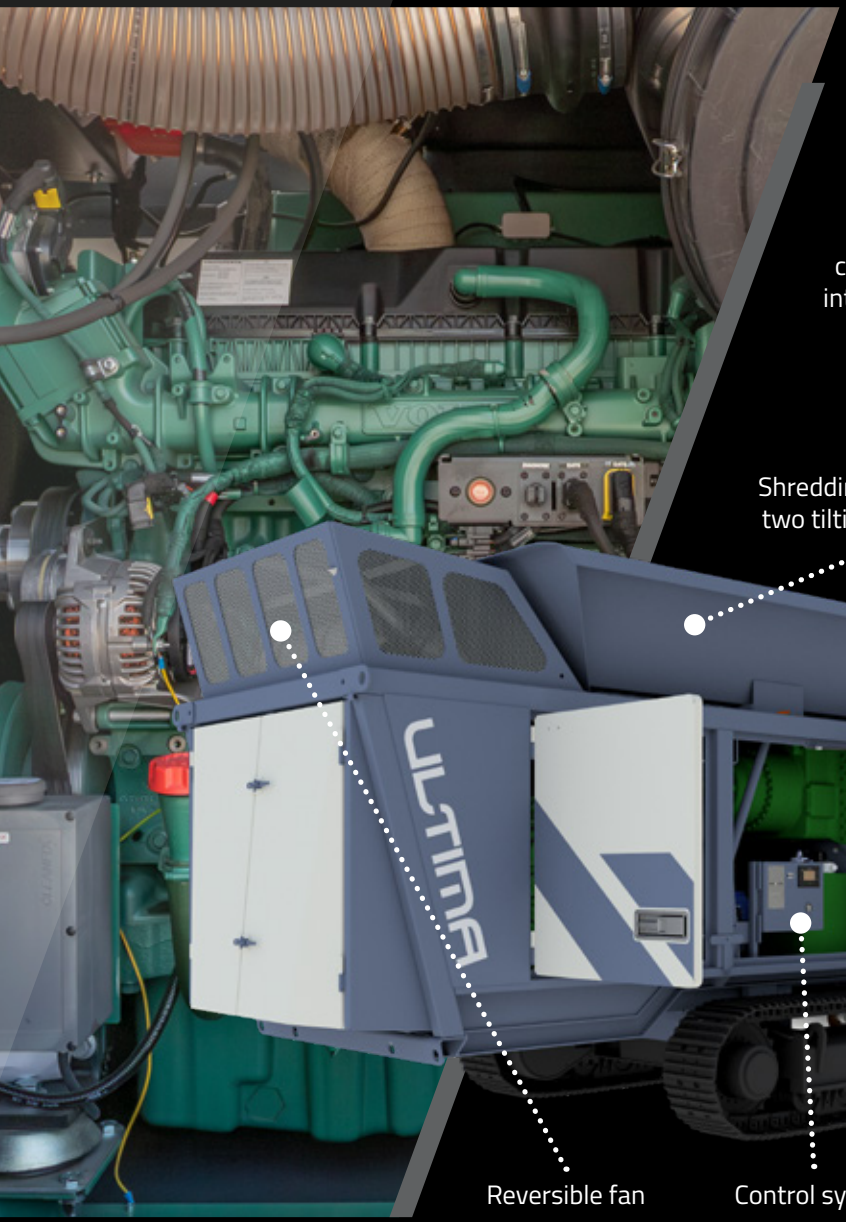
Two adjustable tilting hoppers

Equipped as standard with a large tilting hopper for optimum material feed and a smaller tilting hopper for pushing the waste material into the shredding unit. This keeps material flow constant and maximises the machine's performance.

Hook lift mount and drawbar

For inter-regional transport, the hook lift mount enables the machine to be loaded onto the lorry quickly and safely. At the place of use, the integrated drawbar and wheel axle ensure easy relocation using a wheel loader or forklift truck.

- **Green Waste**
- **Waste Wood**
- **Trunk Wood**
- **Paper and Cardboard**
- **Commercial Waste**

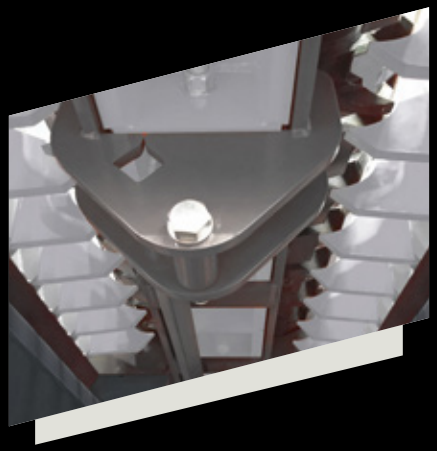


ULTIMA 850

The EuRec ULTIMA 850 is a mobile two-shaft shredder for demanding applications in the field of commercial waste, waste wood and waste tires. With its robust design and reliable shredding technology, it is ideal for flexible use on changing construction sites or in recycling plants with a wide range of material flows. The machine is customised at the factory with the appropriate **shaft configuration** – **synchronous** or **asynchronous** – for the intended application in order to achieve the best possible results in daily operation.

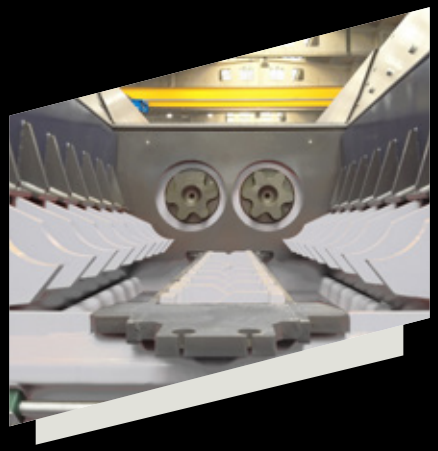
Dimensions	Length	12,600 mm / 7,500 mm *(transport)*	
	Width	2,500 mm / 2,500 mm *(transport)*	
	Height	3,000 mm / 3,000 mm *(transport)*	
	Weight	approx. 23,500 kg	
	Discharge height	max. 5,400 mm	
Drive	Engine type	Volvo Penta TAD 1183 VE	*TAD 1152 VE**
	Power	315 kW / 430 PS	*285 kW**
	Emission standard	Stage V / EPA Tier IV	*Stage III A**
	Torque	1,950 Nm	*1,940 Nm**
	Fuel capacity	600 l	
Shredding Unit	Hopper volume	6.0 m³ *(incl. tilting hopper)*	
	Shaft length	2,000 mm	
	Shaft diameter	680 mm	
	Weight	approx. 3,700 kg / cassette	
	Rotation speed	15 – 45 rpm	

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



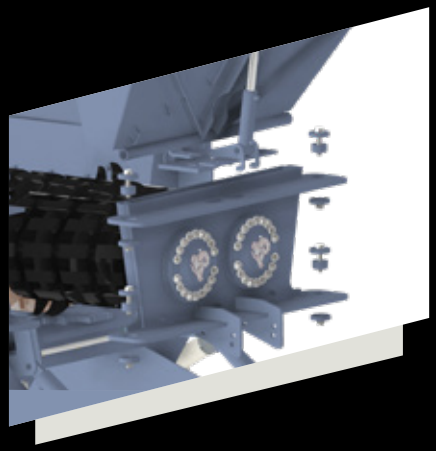
Hydraulically damped side combs

If the pressure on the shredding shafts is too high, the combs are automatically opened to effectively reduce unwanted blockages and pressure loads on the shredder.



Lowerable breaker bar

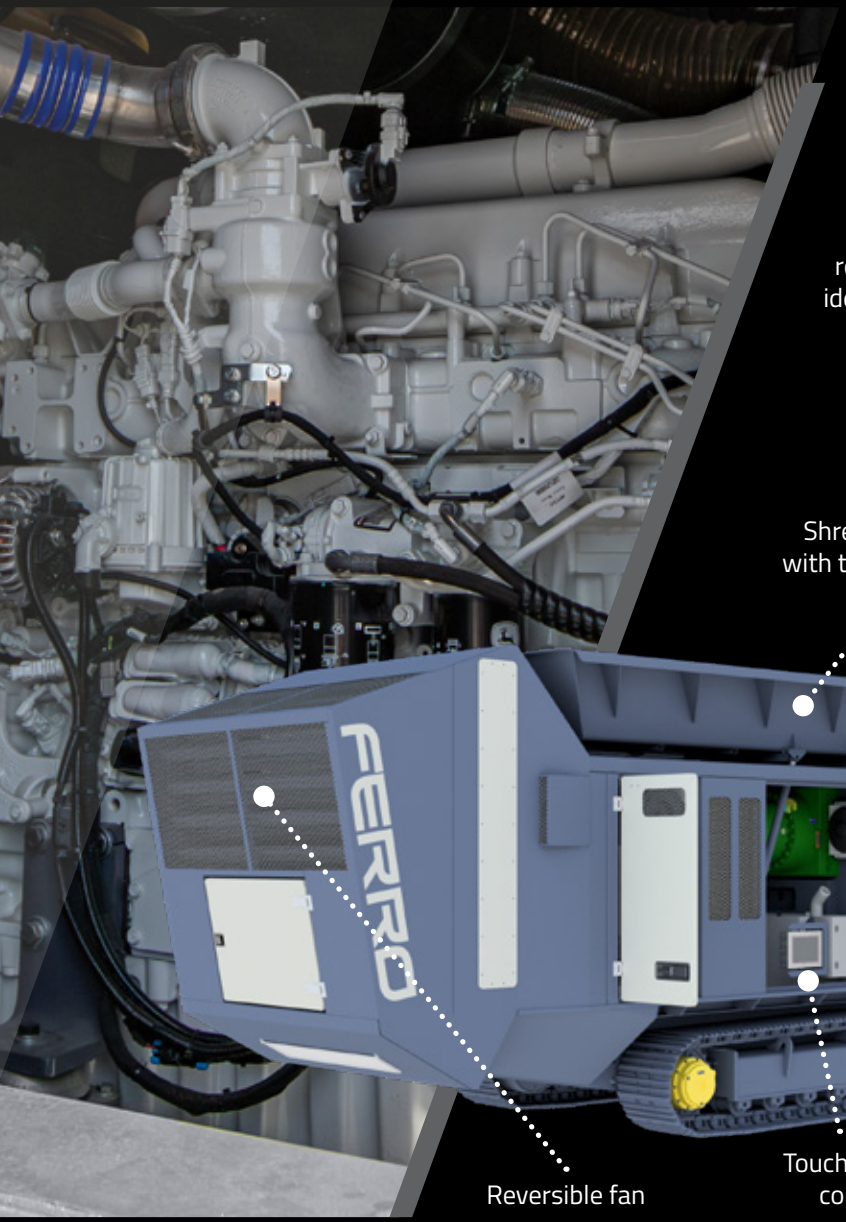
Thanks to the hydraulically lowerable breaker bar and the two movable side combs, worn shredding shafts can be replaced quickly and easily – only included with synchronised shaft configuration!



Exchangeable cassette for shredding shafts

The quick-change system enables the complete pair of shafts to be replaced – in both synchronised and asynchronous configurations. Shorter maintenance and servicing times ensure that the machine is quickly ready for use again.

- **Commercial Waste**
- **Rubber and Waste Tires**
- **Green Waste**
- **Waste Wood**
- **Trunk Wood and Roots**
- **Paper and Cardboard**



FERRO 950 NF-Version

The EuRec FERRO 950 is one of the most powerful shredders among the slow-speed two-shaft shredders and was developed for particularly demanding applications. Equipped with a powerful John Deere diesel engine, an extremely robust design and high throughput, it is particularly impressive where reliability, power and wear resistance are required. The FERRO 950 is supplied with an **asynchronous shaft configuration as standard** – ideal for the efficient shredding of resistant materials with a high proportion of impurities.

Dimensions	Length	16,400 mm / 11,350 mm *(transport)*
	Width	3,000 mm / 3,000 mm *(transport)*
	Height	3,650 mm / 3,650 mm *(transport)*
	Weight	approx. 49,000 kg
	Discharge height	5,500 mm
Drive	Engine type	John Deere JD 18
	Power	677 kW / 908 PS
	Emission standard	Stage V / EPA Tier IV **without AdBlue**
	Torque	4,250 Nm
	Fuel capacity	1,200 l
Shredding Unit	Hopper volume	9.5 m³ *(incl. tilting hopper)*
	Shaft length	2,500 mm
	Shaft diameter	860 mm
	Weight	3,500 kg / shaft
	Rotation speed	15 – 45 rpm

Touch display control

The structured control panel can be used to precisely regulate the rotation speed of the tool shafts and the belt speed. Sensors provide accurate error displays and enable simple, intuitive operation for daily use.

Demand-orientated fan control system

The intelligent fan control ensures constant motor cooling with reduced dust and noise generation. This means that the motor always operates within the optimum temperature range – efficiently and reliably, even under high loads.

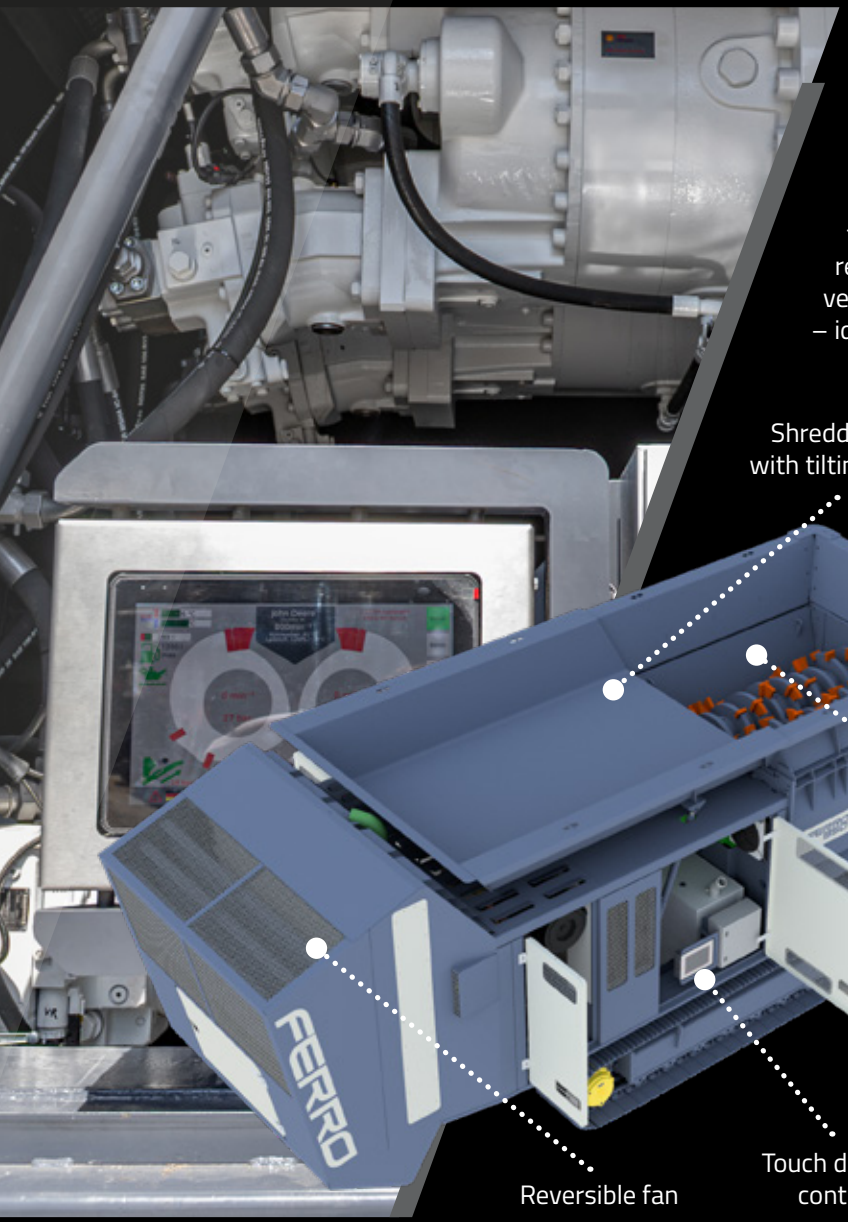
Exchange system with mounting cylinder

Both shredding shafts are first inserted individually into the appropriate device. A hydraulic assembly cylinder then inserts both shafts evenly into the cloverleaf clutch - simply, quickly and safely.

Hydraulically damped side combs

In case of excessive pressure on the tool shafts, the side combs open automatically and release the material throughput. This prevents blockages and noticeably reduces the load on the shredding unit.

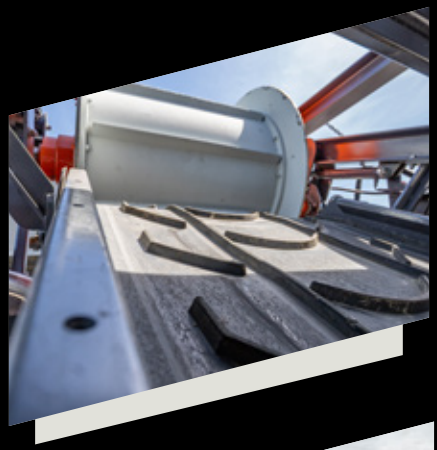
- **Commercial Waste**
- **Rubber and Waste Tires**
- **CFRP/GFRP Waste**
- **Waste Wood**
- **Wooden Railway Sleepers**
- **Aluminium**



FERRO 950 FE-Version

The FERRO 950 FE version has been specially designed for demanding applications with a high ferrous content. With a reinforced design, a powerful shredding system and an integrated magnetic drum for separating ferrous and non-ferrous components, the most powerful shredder on the market is suitable for extremely resistant material flows such as broken concrete and concrete railway sleepers with reinforcing steel, end-of-life vehicles and scrap metal. The FE version of the FERRO 950 is also supplied in **asynchronous operation as standard** – ideal for applications with a high proportion of contaminants and changing material flows.

Dimensions	Length	15,600 mm / 11,500 mm *(transport)*
	Width	6,700 mm / 3,000 mm *(transport)*
	Height	3,650 mm / 3,650 mm *(transport)*
	Weight	approx. 53,000 kg
	Discharge height	3,500 mm *(FE)* / 2,400 mm *(NF)*
Drive	Engine type	John Deere JD 18
	Power	677 kW / 908 PS
	Emission standard	Stage V / EPA Tier IV **without AdBlue**
	Torque	4,250 Nm
	Fuel capacity	1,200 l
Shredding Unit	Hopper volume	9.5 *(incl. tilting hopper)*
	Shaft length	2,500 mm
	Shaft diameter	860 mm
	Weight	3,500 kg / shaft
	Rotation speed	15 – 45 rpm



Integrated magnetic drum

Compared to the classic overbelt magnet, the drum is significantly more resistant without wear-prone rubber belts. This enables efficient separation of the shredded material into ferrous and non-ferrous components.

Demand-orientated fan control system

The intelligent fan control ensures constant motor cooling with reduced dust and noise generation. This means that the motor always operates within the optimum temperature range – efficiently and reliably, even under high loads.

Touch display control

The structured control panel can be used to precisely regulate the rotation speed of the tool shafts and the belt speed. Sensors provide accurate error displays and enable simple, intuitive operation for daily use.

Exchange system with mounting cylinder

Both shredding shafts are first inserted individually into the appropriate device. A hydraulic assembly cylinder then inserts both shafts evenly into the cloverleaf clutch – simply, quickly and safely.

Concrete Rubble and Concrete Railway sleepers

Cars and Light Scrap

Rubber and (AS/EM) Waste Tires

Engine Blocks

White Goods

Aluminium

EuRec Environmental Technology GmbH
Borntalstraße 9
36460 Krayenberggemeinde, Germany

Do you have any questions or want to find out more?
info@eurec.de | www.eurec.de

Official sales and service partner of the EuRec brand