



The best thing that can happen to waste.



Production of substitute fuels with WEIMA.



# Tough on the waste. Kind to your balance sheet.

## **The future is hidden in waste: Specialists to the front!**

Intelligent waste disposal—for many companies an ever increasingly important factor, as efficient disposal methods are in demand more than ever before. Of great importance here is the processing of waste into substitute fuels, namely Refuse Derived Fuel (RDF).

WEIMA shredding solutions achieve the decisive prerequisites to get your RDF production running, with tailor-made shredding technology for plant concepts that are oriented to the future. And with leading competence based on decades of experience—more than 15,000 shredding solutions have been so far realised worldwide by WEIMA.

## **You have the requirements. We have the right solution.**

It does not matter which type of waste you process, whether industrial, mixed building industry waste, bulk or household waste, whether production scrap, non-cellulose waste from papermaking, paper, wood, carpets or plastics: you get the best out of it with WEIMA. This is due to a specific solution adapted to your production requirements.

You will be well equipped to face up to the increasingly tough market conditions. WEIMA shredding technology delivers the highest RDF quality and provides you with first class sales opportunities at customers such as power stations and cement producers.



## Everything that makes a RDF plant profitable: Your advantages with WEIMA.

### ■ Highest degree of flexibility.

WEIMA is a full service provider for all processing stages with its PreCut, PowerLine and FineCut ranges of machines. Variable equipment levels and sizes enable exact fit with every special requirement.



### ■ Quality made in Germany.

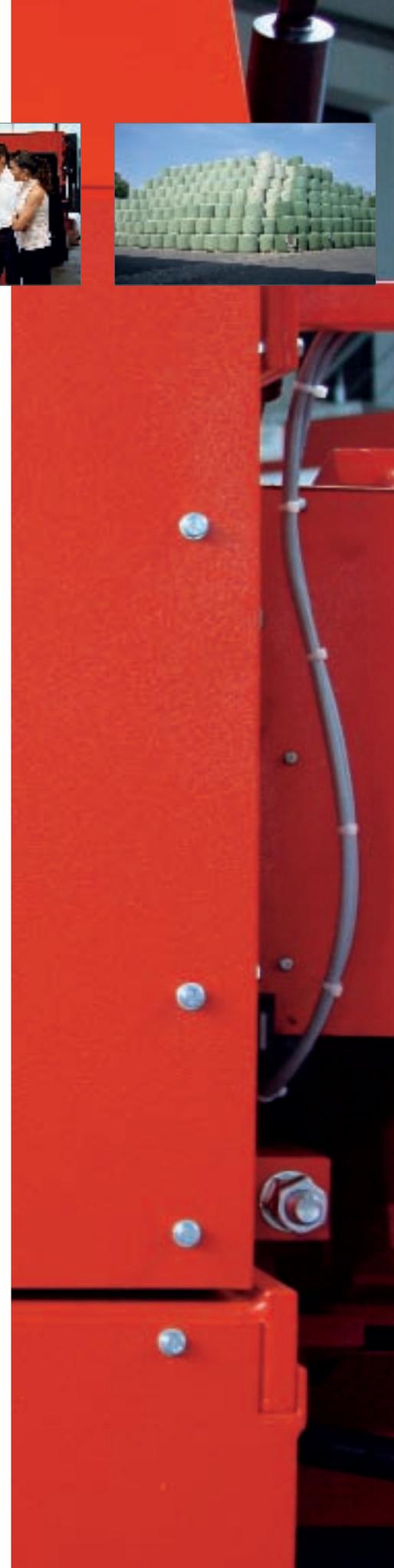
Perfect technology, solid construction: WEIMA shredding solutions stand for high productivity, low energy and wear costs, as well as outstanding ease of operation.

### ■ Innovative drive concepts.

The latest example: Compact Drive WEIMA (CDW). This patented drive ensures even higher torque to overcome friction, short reversing times, extremely low sensitivity to contaminated material and additional energy saving potential.

### ■ First class service.

From advice in plant planning through to the extensive technical support: we are there when you need us. Within the shortest possible reaction times!





Strong in picking up: a gripper is used to feed PreCut.

# No point in resisting. PreCut.

## The powerful pre-shredder.

### Power that breaks everything down to size.

PreCut can handle any type of waste, also unsorted and highly contaminated materials. Ideal as a rough pre-shredder in multi-stage plants: after unsuitable material has been sorted out, the pre-shredded material can be further processed in optimum form.

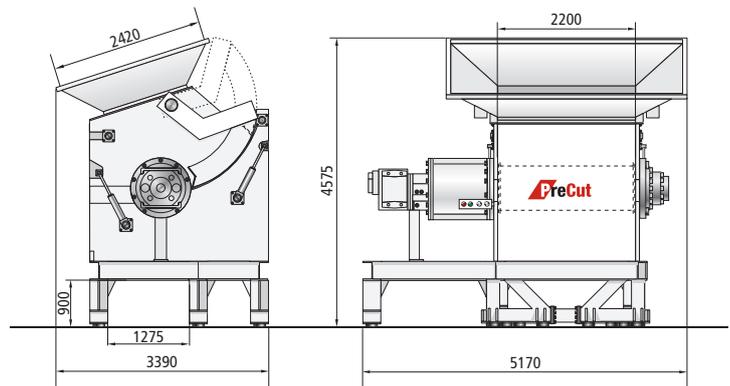


Can handle any material: the PreCut rotor.

### Overview of PreCut:

- rough pre-shredder for any type of waste
- insensitive to contaminated material
- ideal for multi-stage processing with high throughput ensures optimum preconditioning of the material for further processing steps such as sieving, classifying and separation
- feeding via wheel loader or gripper
- available with high performance CDW drive for the toughest material requirements and highest possible throughput
- can also be used as single-stage equipment, in the event that the RDF customer only demands coarsely pre-shredded material (e.g. < 200 mm)

### The PreCut range



WPC 2200/1200 dimensions

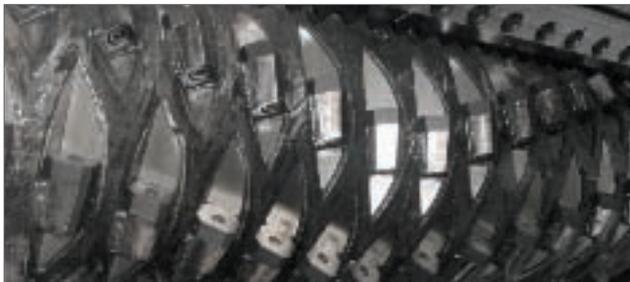
	<b>WPC 2500/800</b>	<b>WPC 2200/1200</b>
Rotor working width (mm):	2,500	2,200
Rotor diameter (mm):	800	1,200
Performance (kW):	255	280
Rotor speed (rpm):	30–60	30–60
Blade type/size (mm):	reversible crown 130 x 130	reversible crown 130 x 130
Number of blades:	28	36
Sieve perforation (mm):	100–300	100–300
Throughput (kg/h):	8,000–15,000	10,000–25,000
Weight (kg):	approx. 30,000	approx. 35,000

# Ready for anything. PowerLine.

## The flexible universal shredder.

### Full power for single or multiple stage shredding.

PowerLine can be used flexibly, depending on the requirements of the material to be produced: as a high throughput secondary shredder in multi-stage processing or as a single stage solution for relatively clean material.

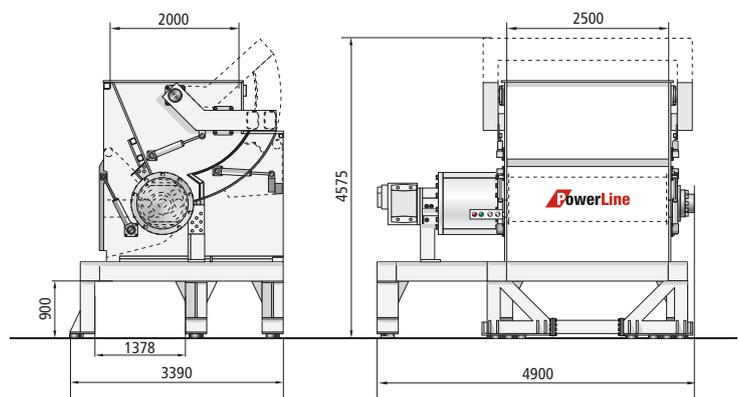


Minimum wear: the PowerLine rotor with blades that can be reversed a number of times.

### Overview of PowerLine:

- highly efficient universal shredding solution for a wide range of input material
- flexible, as it can be used in single or multi-stage processing
- particle sizes of 30–100 mm achievable
- multi-stage processing: operation as a secondary shredder with continuous feeding of input material
- single stage processing: direct feeding via wheel loader or gripper
- available with the extremely high performance CDW drive for the toughest requirements

### The PowerLine range

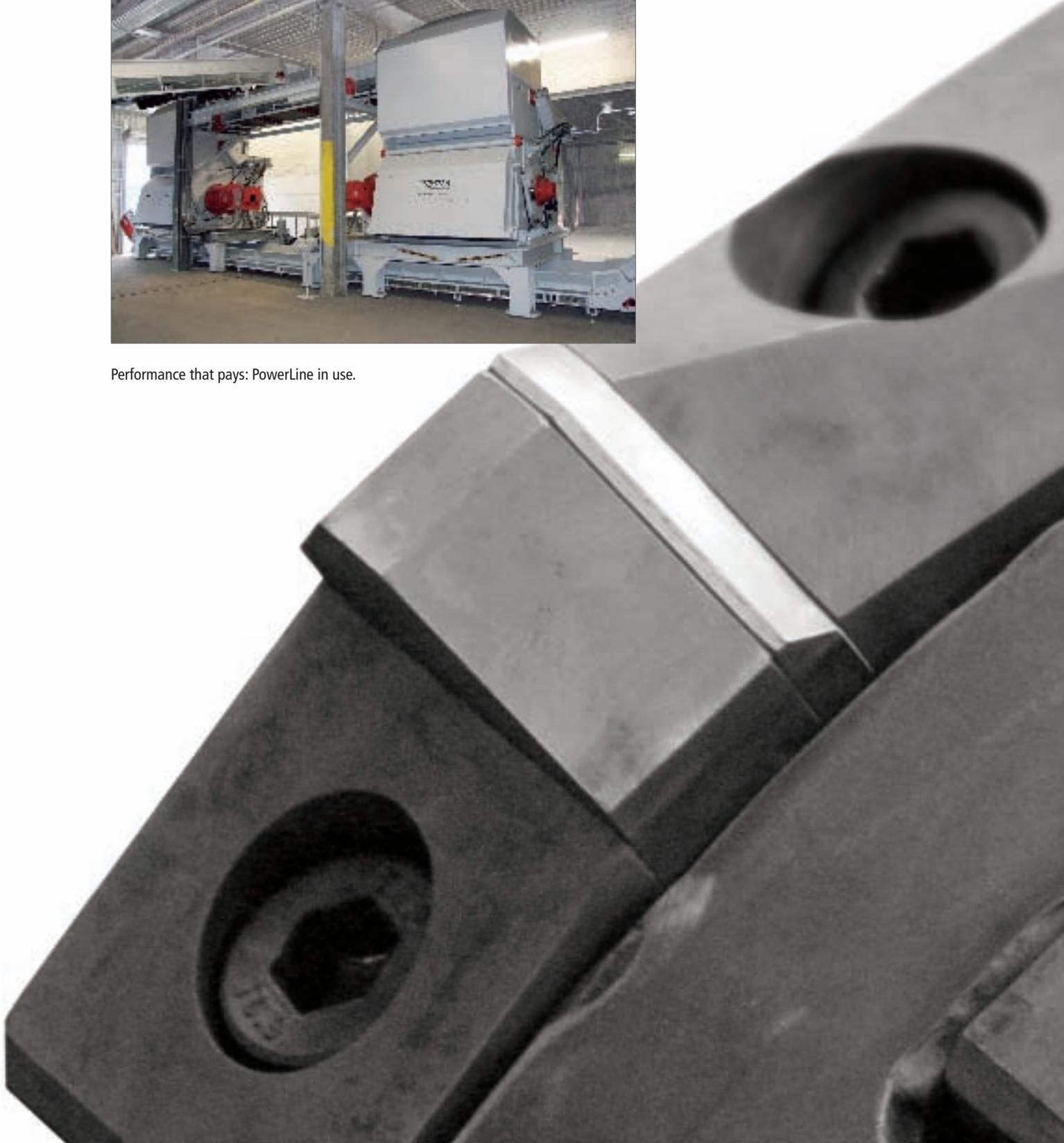


WPL 2500/800 dimensions

	WPL 2000/800	WPL 2500/800	WPL 3000/800
Rotor working width (mm):	2,000	2,500	3,000
Rotor diameter (mm):	800	800	800
Performance (kW):	250	280	315
Rotor speed (rpm):	100–140	100–140	100–140
Blade type/size (mm):	reversible crown 80 x 80	reversible crown 80 x 80	reversible crown 80 x 80
Number of blades:	70	87	105
Sieve perforation (mm):	30–100	30–100	30–100
Throughput (kg/h):	3,000–8,000	4,000–12,000	5,000–15,000
Weight (kg):	approx. 25,000	approx. 30,000	approx. 35,000



Performance that pays: PowerLine in use.





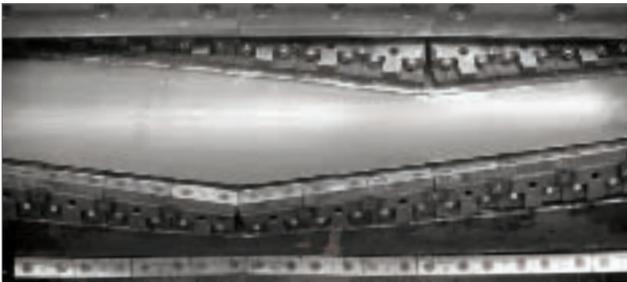
Core of the plant:  
the FineCut secondary shredder.

# Works out fine. FineCut.

## The high output secondary shredder.

### Smallest particle size, best sales opportunities.

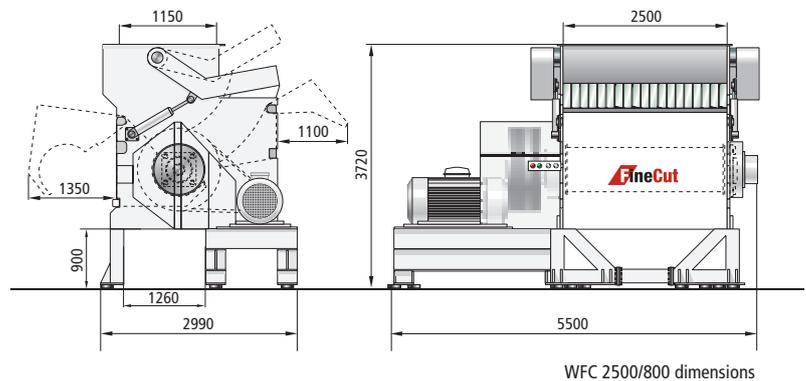
FineCut is the ideal secondary shredding solution for a multi-stage plant. Impressive outputs can be achieved due to its high rotor speed. The fine particle size of the shredded material corresponds perfectly with the increasing demand for higher RDF qualities.



Aggressive intake behaviour: the FineCut rotor.

### Overview of FineCut:

- high performance secondary shredder for multi-stage processing
- shreds pre-sorted or pre-shredded material with high throughput
- continuous material input via conveyor belt feeding
- particle sizes of 15–80 mm achievable
- the right machine to produce the best RDF quality for power stations and the cement industry



WFC 2500/800 dimensions

### The FineCut range

	WFC 2000/800	WFC 2500/800	WFC 2200/1200
Rotor working width (mm):	2,000	2,500	2,200
Rotor diameter (mm):	800	800	1,200
Performance (kW):	200	315	400
Rotor speed (rpm):	160–320	160–320	160–320
Blade type/size (mm):	reversible plate 172 x 57	reversible plate 172 x 57	reversible plate 172 x 57
Number of blades:	66	70	84
Sieve perforation (mm):	15–80	15–80	15–80
Throughput (kg/h):	3,000–8,000	5,000–12,000	8,000–20,000
Weight (kg):	approx. 25,000	approx. 30,000	approx. 40,000

# Powerful technology inside. Perfect service all round.

## Well advised from the start.

With WEIMA shredding solutions you are banking on high performance technology and extensive service skills—already at the planning stage.

Whether you are planning construction of a completely new plant or extension of your existing RDF facility: we support you with extensive advice and planning competence. The target: a plant concept tailor-made exactly to your requirements, with perfectly integrated components for all processing and shredding stages.

## Quality + Service = Security

High availability is the prerequisite for every efficiently working machine and therefore a principle at WEIMA. All shredders are robustly built and engineered. They are specifically designed for your maintenance requirements—such as the quick change of the blades and the removal of foreign objects. And should a problem still occur, you can rely on our fast reacting technical support team—around the clock!

## Why RDF producers choose WEIMA.

Shredding technology is the key to efficient RDF production. Leading RDF producers worldwide trust WEIMA—and they know why:

- tailor-made shredding solutions for all processing stages
- perfected technology for the production of best RDF quality
- high productivity, low energy and wear costs
- quality assurance due to 15,000 shredding solutions sold worldwide
- extensive service—from advice during planning through to aftersales technical support

RDF producers that have chosen WEIMA again and again:



SITA Deutschland



Bautrans, Karlsruhe



Sperzel, Frankfurt



Lang, Gaggenau





**WEIMA Maschinenbau GmbH**

Gewerbegebiet Bustadt  
74360 Ilsfeld (Germany)  
Telephone: +49 - (0) 70 62 - 95 70-0  
Telefax: +49 - (0) 70 62 - 95 70-90  
info@weima.com  
www.weima.com

**WEIMA locations:**

Austria, Ternberg  
United Kingdom, Northants  
France, La Ferté sous Jouarre  
USA, Fort Mill, SC

clever shredding + briquetting