

# METAL RECYCLING

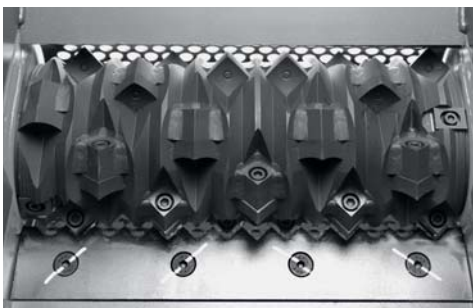
SHREDDING AND BRIQUETTING



# METAL SHREDDING

METAL IS HEAVY AND VOLUMINOUS – BUT ALSO VALUABLE. FURTHER PROCESSING OF THIS RESOURCE PAYS OFF.

## CUTTING TECHNOLOGY. REALLY SHARP



**ROTOR** ▶ The innovative V rotor with SuperCut cutting gap adjustment guarantees optimal cutting geometry. The result: Homogenously shredded material, high throughput, low wear and energy consumption, resistance to foreign material.



**CUTTING DISCS** ▶ The metal is powerfully torn and shredded by the talons of the cuttings discs, then pressed through the cutting gap of the clearing discs, and finally discharged through a screen which is mounted underneath the cuttings discs.

WEIMA not only shreds light metals such as aluminum or magnesium, but also steel shavings, copper and brass. No matter if it's long profiles, cans, film or voluminous shavings and post production stamping waste: WEIMA machines shred everything down to size. Ready for recycling and making cash.

## THE DRIVE. REALLY STRONG



**ELECTROMECHANICAL DRIVE** ▶ The rotor is driven by a standard motor, power belt, and WEIMA's in-house developed WAP gearbox that reduces the rotor speed.



**HYDRAULIC DRIVE** ▶ This powerful drive is resistant to a variety of foreign objects. Torque and rotor speed are adjustable by a regulating pump without power peaks.

## MACHINE OPTIONS. FULLY CUSTOMIZED

**VAT** ▶ With pump and sump for collecting cooling lubricant.

**INJECTION SYSTEM** ▶ To prevent cold welding.

**CUTTING KNIVES** ▶ 30, 40, 60 mm, rotatable.

**VAUTID WEAR PROTECTION PACKAGE** ▶ For a longer service life of your machine.



# METAL BRIQUETTING



METAL BRIQUETTES "MADE BY WEIMA"  
MIGHT NOT BE GOLD BARS BUT SURELY CAN BE  
WORTH ITS WEIGHT IN GOLD.

## THE BRIQUETTE PRESS. PRESSURE ON



HD-Series

**SWING ARM PRESS** ▶ The briquettes are pressed inside an enclosed chamber with high pressure. This leads to a very high density – without using any binders or additives.



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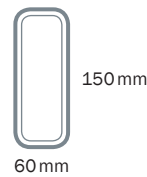
**MATRIX PRESS** ▶ This briquetting press is designed for metal applications. By its help, various kinds of metal swarf and milling waste can be compacted efficiently, increasing its value significantly.

Compacting metal waste is the ideal starting point for further processing or selling of shredded and briquetted metal shavings. Dependent upon the specific application, WEIMA can either offer a hydraulic matrix press or a swing arm press.

## THE BRIQUETTE SHAPE. MAKES THE DIFFERENCE



**ROUND BRIQUETTES** ▶ Briquette length is adjustable, ensuring a constant length in case of different materials being compressed.



**SQUARED BRIQUETTES** ▶ Thanks to their squared, user-friendly shape, briquettes can be stacked. A higher throughput can also be achieved.

### WEIMA BRIQUETTING ADVANTAGES

- Direct and efficient melting of metal briquettes with less burnup
- Volume reduction of up to 90% achievable
- High pressure for high briquette density. No additives or binders necessary
- Improved waste material handling
- Reduced disposal costs
- Reduced transport and storage costs
- Maintenance and user-friendly machine design

WITH WEIMA YOU CAN SHRED  
AND BRIQUETTE A VAST VARIETY  
OF METALS.



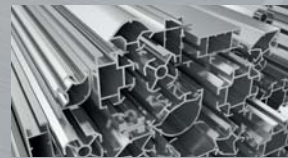
Aluminum waste



Aluminum cans



Aluminum swarf



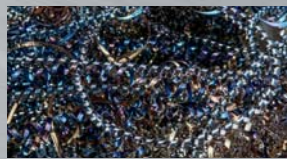
Aluminum profiles



Bronze waste



Deodorant cans



Milling waste



Copper wire and shavings



LED bulbs



Light metal sleeves



Light metal parts



Brass waste



Steel swarf