

weima

SHREDDING + COMPRESSING



**WOODWOLF SERIES
PRE-CRUSHERS**

TECHNICAL HIGHLIGHTS

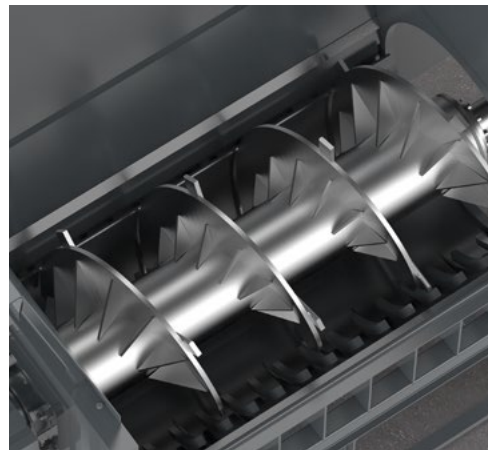


Simple machine operation
thanks to control cabinet
with integrated
PLC control system

All control cabinets are designed, wired, and built by WEIMA in Ilsfeld. They are equipped with a high-quality Siemens PLC control system. The operation is done by a few easy-to-understand buttons. Keep it simple.

High-throughput primary shredder
with 1,000 mm flight circle Ø screw rotor

The extra-large screw rotor is the heart of the shredder and is located in the machine tub, which is extremely robustly designed with 40 mm reinforced steel side walls. At the outer blade ends, the screw is fitted with welded-on knives. They can be replaced quickly in the event of wear. The proven helix shape guarantees uniform material discharge.



Low maintenance operation

with robust gear motor

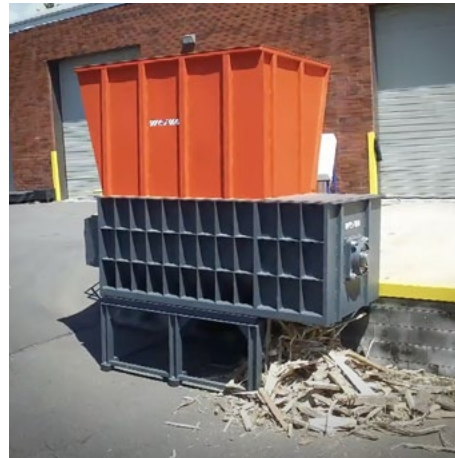
A proven electric gearbox motor directly drives the screw rotor and ensures continuous power transmission, while the hydraulic unit is protected. The solid technology is extremely low-maintenance, compact, and durable.



EXTRA LARGE MATERIAL HOPPER

for easy feeding of several pallets

Compared to many other pallet shredders, WEIMA primary crushers make it possible to feed several pallets at once. The extremely robust hopper with reinforced loading edge provides a large buffer volume. There is no need for manual individual feeding. This saves time and increases material throughput. If required, the hopper can also be equipped with a lid to prevent material from jumping out which increases safety during operation.



Low-noise pre-shredding thanks to slow speeds

The low screw speed results in minimized noise and thus protects your environment from noise emissions. The fed material is crushed by the screw rotor and not cut by means of knives and counter-knives at significantly higher rotor speeds, as is the case with classic single-shaft shredders.

TECHNICAL HIGHLIGHTS

VARIABLE MATERIAL DISCHARGE HEIGHT

thanks to separate underframe

Depending on demand or space requirements, the frame height of the crusher can be specified. This guarantees optimum discharge of the pre-shredded material by conveyor belt or into a container. It is also possible to place it directly above a secondary shredder to save space.



Ideal for pallets and bulky waste wood
such as furniture, crates, or large-volume wood waste

Typically primary crushers are used for disposable pallets and Euro pallets made of wood. Removal of nails or screws is not necessary. Metals can be separated afterwards. Used furniture from bulky waste, boxes or other containers can also be easily pre-shredded. In any case, there is a significant reduction in volume, which noticeably reduces piles of production waste.



Flexibly applicable pre-shredder

as stand-alone solution or in a two-stage process

In most cases, WEIMA Crusher series pre-shredders are used within a two-stage processing plant. For example, after pallets have been pre-crushed, metal separation and secondary shredding follow. Single-shaft shredders such as the WLK 800 or WLK 1000 are suitable for this purpose. The wood chips produced can be burned directly in a heating plant or can be compressed into an even higher-quality fuel source using a briquetting press.



Maximum robustness

thanks to durable screw rotor bearings

A crusher screw with a flight circle of 1,000 mm must have correspondingly solid bearings. For this reason, WEIMA relies on reinforced spherical roller bearings that are offset from the machine frame. This consistently prevents foreign matter from entering the bearing.



Convenient loading

via wheel loader, forklift, or crane

The large hopper opening provides sufficient space for fast and user-friendly feeding by forklift truck, large wheel loader, or even crane. Depending on the application, the use of a feed conveyor is also possible.



TECHNICAL DATA AND MACHINE CONFIGURATION

● Technical data crushers

	Woodwolf 1500 S	Woodwolf 2000 S	Woodwolf 3000 S
Hopper opening length [mm]	1 875	2 375	3 375
Hopper opening height [mm]	1 630	1 630	1 630
Screw diameter [mm]	900	900	900
Screw length [mm]	1 500	2 000	3 000
Screw speed [rpm]	19	19	19
Power [kW]	30 37	30 37	30 37
Length [mm]	3 765	4 265	5 265
Width [mm]	1 850	1 850	1 850
Height [mm]	3 555	3 555	3 555
Weight [approx. kg]	6 000	6 700	8 100

Machine configuration crushers

● Standard ○ Optional — Not available

	Woodwolf 1500 S	Woodwolf 2000 S	Woodwolf 3000 S
Electromechanical drive	●	●	●
CRUSHER GEOMETRY			
Crusher screw with 1,000 mm Ø	●	●	●
Reversing control	○	○	○
Remote bearings	○	○	○
FRAME			
Base frame with 800 mm height	○	○	○
Vibration damping machine feet	●	●	●
MATERIAL DISCHARGE			
Large feed hopper	●	●	●
Hopper lid	○	○	○
ELECTRONICS			
Control cabinet with Siemens PLC control	●	●	●

Other variants, special equipment and technical modifications available on request.



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