



The Malin Waste Shredder

Effective, profitable and sustainable shredding of waste products



**COMPLETE
HIGH-QUALITY SOLUTIONS**

for workshops,
maintenance and
construction
service

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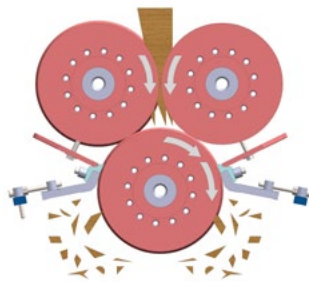
THE MALIN WASTE SHREDDER

Effective, profitable and sustainable shredding of waste products

The Malin Waste Shredder makes recycling of material possible in an effective, profitable and sustainable way.

The Malin Waste Shredder can handle residual products from the forest industry and also lime, glass, electronics waste, aluminum cans, pet bottles and more. The waste is turned to new raw materials for the paper and pulp industry, or high grade fuel for power plants.

The self-feeding shredder reduces large volumes and pulverizes materials to the desired size in a single step, giving you profitable recycling and long-term economic operation.



The Malin Waste Shredder's high availability ensures reliable production. Simple maintenance and a service-friendly design keep maintenance costs down. The shredder's low energy consumption and silent operation also makes it a good choice from an environmental point of view.

How it works

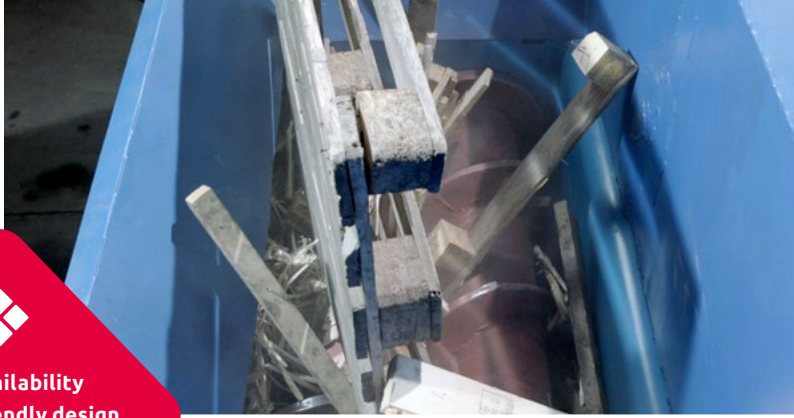
Two slowly rotating rollers automatically pull the material down into the shredder. A third roller and a bedknife cuts and pulverizes the material to the desired size.

The Malin Waste Shredder comes with three heavy-duty rollers, but depending on capacity needs and shredding precision it can also be equipped with only two.

Flexible model programme

The Malin Waste Shredder comes in three sizes so you can choose the right setup for your specific needs. The Shredder can be delivered for fixed installation or as a mobile unit, with an optional sound-proof drive module. Other optional peripherals include conveyors, spouts and screenplates.

The unique technology of the Malin Waste Shredder and our experience of close to 300 installations makes for effective, profitable and sustainable shredding of waste products.




High availability
Service-friendly design
Low energy consumption
Low maintenance



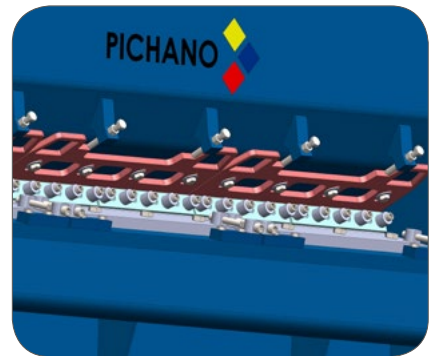
Feeding

The feeding funnel is designed for optimal feeding of the material.



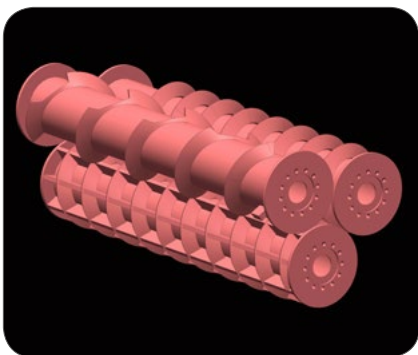
Bearings

Spherical roller bearings absorb the energy of the rollers.



Fraction

Double symmetrically placed bedknives cut and pulverize the material to the desired size, even when the rollers are reversing.



Rollers

The Malin Waste Shredder comes with three heavy-duty rollers, but depending on capacity needs and shredding precision it can also be equipped with only two.



Drives

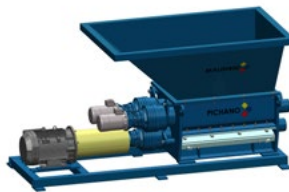
Every roller is run by an electric or hydraulic drive. A PLC system optimizes the power distribution between the rollers.



Drive module

The Malin Waste Shredder can be delivered with a sound-proof drive module (max 80db(A)).

THE RIGHT SHREDDER FOR YOUR NEEDS



Capacity

Capacity for some types of materials (normal production*)

MALIN 250

A compact and effective shredder.

MALIN 400

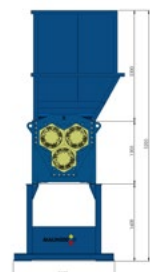
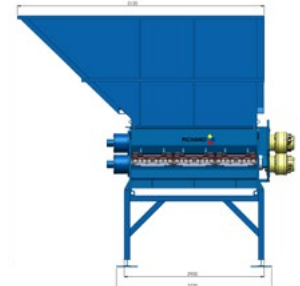
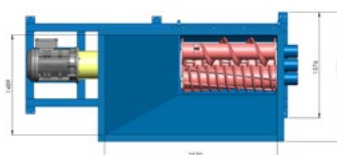
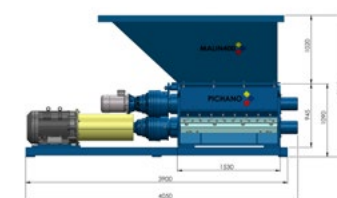
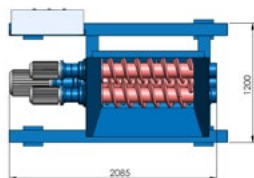
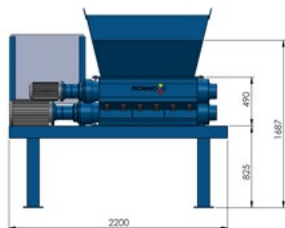
A versatile shredder that can be delivered for fixed installation or as a mobile unit.

MALIN 500

Our biggest shredder with very high capacity.

	MALIN 250		MALIN 400			MALIN 500	
Household garbage	3 t/h	4 t/h	~15 t/h	20–30 t/h	~30 t/h	20~15 t/h	20–30 t/h
Demolition materials	~2 t/h	~4 t/h	8 t/h	~12 t/h	12–20 t/h	15–25 t/h	15–25 t/h
Stumps	-	-	-	~30–50 m ³ /h	~40–60 m ³ /h	40–70 m ³ /h	30–60 m ³ /h
Compost	~2 t/h	~2,5 t/h	15 t/h	~20 t/h	20 t/h	25–35 t/h	25–35 t/h
Bark, waste wood	~12–18 m ³ /h	~20–25 m ³ /h	~80 m ³ /h	~100 m ³ /h	~100 m ³ /h	~150 m ³ /h	~150 m ³ /h
Rollers			Electric	Stationary/ electrical hydraulic	Mobile	Stationary/ electrical hydraulic	Mobile
Number of rollers	2 alt 3	2 alt 3	2 alt 3	2 alt 3	2 alt 3	2 alt 3	2 alt 3
Length	500 mm	1000 mm	1400 mm	1400 mm	1400 mm	2500 mm	2500 mm
Diameter	250 mm	250 mm	400 mm	400 mm	400 mm	500 mm	500 mm
Rpm, upper roller	10/14 rpm	10/14 rpm	12 rpm	0–33 rpm	0–38 rpm	0–32 rpm	0–32 rpm
Rpm, lower roller	80/100 rpm	80/100 rpm	82 rpm	0–107 rpm	0–90 rpm	0–98 rpm	0–92 rpm
Funnel volume	0,3 m ³	0,4 m ³	~4 m ³	~4 m ³	~4 m ³	~5 m ³	~5 m ³
Total output	17 kW	17 kW	78 kW	132 kW	ca 225 kW	250 kW	ca 300 kW
Weight	1000 kg	1095 kg	7000 kg	8400 kg	14000 kg	~13500 kg	DS14 ~16500 kg

*Normal production is the actual volume produced in the shredder under normal circumstances, for instance when it comes to availability.



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