

Powerful and economical



- Optimum shredding results due to intelligent, programmable logic control (PLC) processes. The extremely solid, high-precision construction ensures a long service life.
- Innovative Schuko solution: re-usable reversible blades, embedded in the main shaft, provide for low operating costs. Energy-saving operation and high throughput rates with low maintenance costs ensuring profitability.

Efficient reduction of fuel costs through shredding of waste wood

Optimum results in shredding of waste wood – from Schuko with the tried and tested ZM series for small and medium sized enterprises.

■ Waste wood and wood-based materials are shredded easily and can be utilised in a variety of further processing methods. For example, materials can be fed via an extraction system to the chip storage area, to the briquetting plant or as fuel for an incineration system. This results in automatic disposal of the residual material from production processes.

■ The ZM series ensures individual solutions for specific requirements for shredding in the woodworking and wood-processing industries.



Schuko waste wood shredder
Series ZM 800-2/900-2

The benefits at a glance:

- Low-speed, energy-saving operation
- Low noise level
- High throughput rate
- Proven, tried and tested construction
- GS mark ("Tested Safety")
- Programmable logic control (PLC)
- User-friendly layout for controls

The controller

- Space-saving external switch cabinet (suitable for wall mounting)
- Maximum operational reliability with Schuko quality components
- PLC controller ensures optimized automatic operation sequence
- Freely configurable machine running time
- Operating time display
- Text message in the event of machine disturbances

Series ZM 600-2 and 800-2/900-2 with convincing arguments

■ Robust

Long life due to extremely robust construction. Solid steel frame construction made of 15 mm thick steel, laser cut for ultra high precision.

■ High load capacity

The solid, solid-steel construction of the cutting shaft guarantees powerful cutting. The ZM 800-2 and ZM 900-2 feature an angled machine design for optimized feeding of material to the cutting rotor with a hydraulic pusher.

■ Wear-resistant

The rotor shaft is driven by a high-performance, extremely heavy-duty transmission. Direct drive eliminates belt slippage and reduces wear to a minimum.

■ Flexible

Screens with different sized perforations can easily be exchanged, for chip dimensions to match your requirements.

■ Durable and trouble-free

Drawer guides made of highly wear-resistant polyamide (PA6) ensure a long service life.

The drive unit (motor and transmission) is connected to a torque bracket via disk springs. This construction allows different pressures or impact forces to be absorbed by the rotor shaft, for smooth operation and a long service life.

Shredding of waste wood is trouble-free and easy on the motor due to electronic monitoring of the power consumption and in the occurrence of a blockage, the monitor will change the direction of rotation of the shaft to release.

■ Low maintenance

Maintenance is facilitated by the modular hydraulic drive unit and easily accessible lubrication points.



Rotor shaft with patented Schuko cutting blades: Special Schuko cutting blades with clearance and cutting angles save approximately 2kW of motor power. The re-usable hexagonal blades with six cutting points not only ensure long-term optimum cutting results, but also reduce operating costs since they are re-usable.



Shredding material: ZM series waste wood shredders can easily shred everything from squared timber to boards.

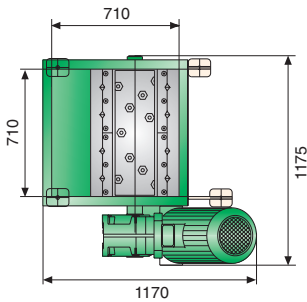
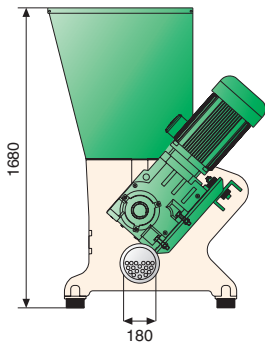


Magnetic separator (optional): After the shredding process, strong permanent magnets remove the majority of any metal parts, such as screws or nails, from the chips. This prevents damage to the fans and also provides reliable protection against explosions. Other accessories that are available include reinforced pipe elbows made of 2 mm welded steel.

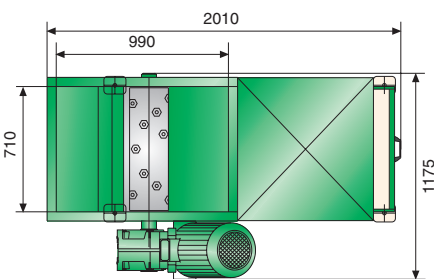
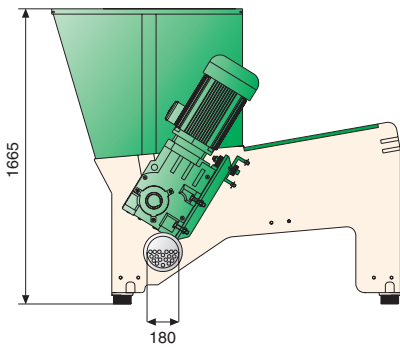


Schuko waste wood shredder
Series ZM 600-2

ZM 600-2



ZM 800-2/900-2



Technical Data

Model	ZM 600-2	ZM 800-2	ZM 900-2
Order no.:	975200	975300	975400
Material throughput, depending on type of material and screen size (kg/h)	140 to 170	220 to 300	250 to 350
Hopper opening (mm)	710 x 710	710 x 990	710 x 990
Hopper capacity (m ³)	0.4	0.5	0.5
Rotor diameter (mm)	220	220	220
Rotor length (mm)	680	680	680
Rotor speed (RPM)	106	106	106
Motor output (kW)	15	15	18,5
Standard screen perforation* (mm)	18	18	18
Cutting blades (number)	15	19	23
Removal blades (number)	4	4	4
Hydraulic forward feed	no	yes	yes
Extractor connection diameter (mm)	180	180	180
Required air speed (m/s)	28	28	28
Pressure loss (Pa.)	450	450	450
Weight (kg)	950	1,400	1,450
Length (mm)	1,170	2,010	2,010
Width (mm)	1,175	1,175	1,175
Height (mm)	1,680	1,665	1,665
Running time configurable	yes	yes	yes
Controller type	PLC	PLC	PLC

*Depending on the application, the following screen sizes are available: 16, 18, 20, 22 mm

Dimensions of switch cabinet: 600 x 600 x 200 mm (W x H x D)

Floor space required for switch cabinet: 820 x 435 mm (W x D)