

4-shaft shredder series
ZM 30 – ZM 50

clever shredding + briquetting

Rugged and powerful – high-strength 4-shaft shredder: ZM 30 - ZM 50



The 4-shaft shredders of the ZM 30 - ZM 50 series are used in woodworking workshops, plants, industry and trade for shredding bulky timber waste such as long boards and pallets, as well as all types of packaging and cartons. This achieves a considerable reduction in volume and enables immediate

processing. The 4-shaft shredders of the ZM 30 - ZM 50 series are used in the woodworking trade and industry for volume reduction and processing of timber cuts, especially bulky and long timber waste. Throughput rates of 300 - 2.000 kg per hour can be achieved depending on the composition of the

material to be shredded and the hole diameter of the screen being used. The extremely low rotational speed of the shafts of about 25 rpm means that the noise level is restricted to only approx. 76 dB(A).

The shredder for bulky and very long timber waste



4-shaft shredders of the ZM 30, ZM 40 and ZM 50 series



Cutting unit with screen basket:

4 screen areas for fast throughput

Second crusher prevents long shavings



The 4-shaft shredder series an action

Material is fed from the hopper into the 4-shaft cutting chamber. The design of the hopper can be altered to suit customer requirements.

The material is trapped by the high-torque teeth of the cutting discs and shredded. Shredded material then passes through the cutting discs it is discharged through the screen under the cutting chamber.



In use in a joiner's shop:
4-shaft shredder of the ZM 30 series
with loaded funnel

Can be fitted with an SPC system
as an optional extra



Extractor hood for connection to an
extractor system (for connection
underneath the screen basket)



High-powered cutting unit

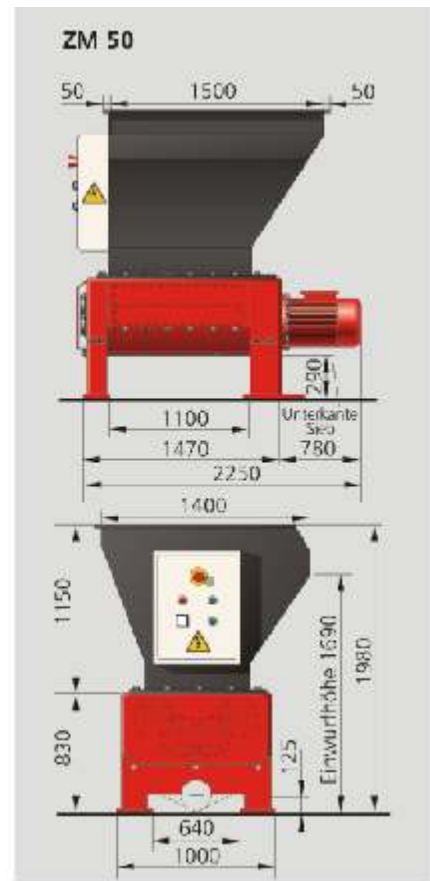
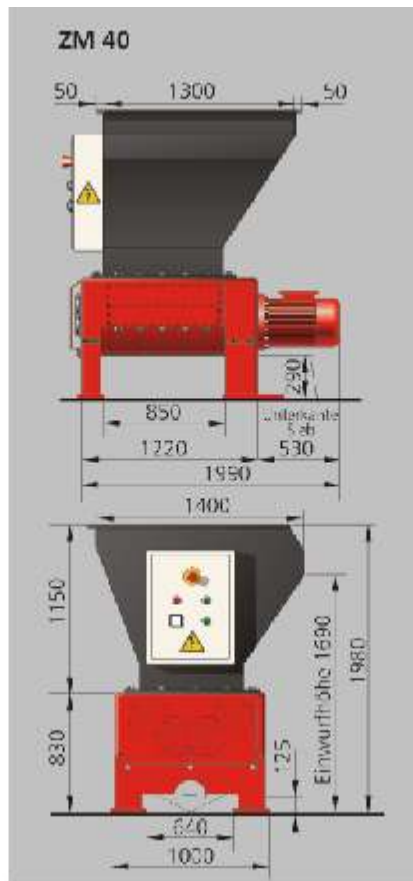
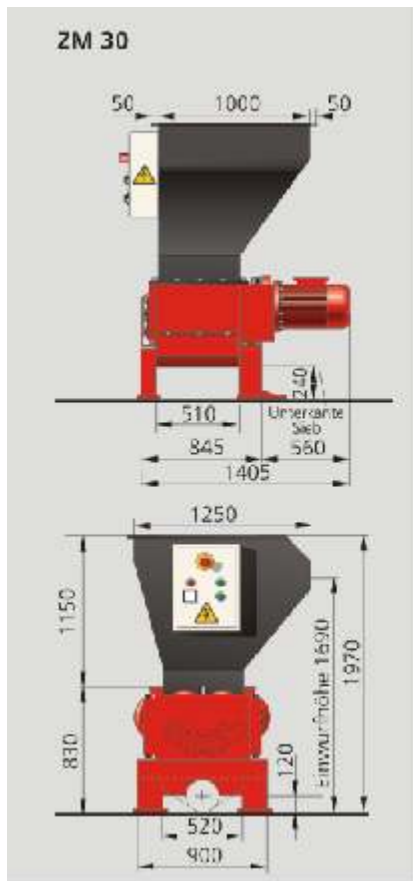
The cutting unit consists of 2 cutting shafts and 2 clearing shafts or, as an option, 4 cutting shafts. The shafts are fitted with cutting and/or clearing discs in widths of 10, 20, 30 or 40 mm depending on the design and intended application.

Twin drive

The shafts are driven by two electro-motors with outputs of 5.5 kW to 18.5 kW each. The cutting and clearing shafts reverse automatically and separately from each other in the event of an overload.

Fast delivery

The shredded material is delivered through the screen located underneath the cutting chamber. The screens are available in sizes from 10 mm - 100 mm which determine final shred size.



Technical Data	ZM 30	ZM 40	ZM 50
Funnel opening:			
Width (mm):	1.000	1.300	1.500
Length (mm):	1.250	1.400	1.400
Cutting unit:			
Operating width (mm):	462	760	990
Length (mm):	562	700	700
Disc-Ø (mm):	235	280	280
Power (kW):	2x5,5; 2x7,5; 2x11	2x15; 2x18,5; 2 x 22	2x11; 2x15; 2x18,5
Throughput:	depending on material composition and screen size		
Screen-Ø 20 mm (kg/h):	300 - 500	600 - 1.200	800 - 1.500
Screen-Ø 40 mm (kg/h):	500 - 800	800 - 1.500	1.000 - 2.000
Connection-Ø (mm):	200	200	200
Weight approx. (kg):	1.300	2.500	3.000

Standard equipment	Options
--------------------	---------

- | | |
|--|--|
| <ul style="list-style-type: none"> ■ cutting chamber with 2 cutter shafts and 2 spacer shafts ■ twin drive with sealed oilbath gearbox ■ automatic reverse and automatic overload protection ■ breaker guide system to prevent long granulates | <ul style="list-style-type: none"> ■ cutting chamber with four cutting shafts ■ specialised hoppers for individual applications ■ hydraulic press-down device ■ discharge worm screw or suction system |
|--|--|

Special designs on request.

Demonstrations and tests with your materials are possible in our technical laboratory by prior agreement.

WEIMA Maschinenbau GmbH

Bustadt 6-10
 74360 Ilsfeld (Germany)
 Phone: +49-(0)70 62-95 70-0
 Fax: +49-(0)70 62-95 70-92
 info@weima.com
 www.weima.com

Sales Offices in:

Austria, Ternberg
 United Kingdom, Kent
 France, La Ferté s/s Jouarre
 Poland, Warsaw
 USA, Fort Mill, SC

