Grinding and briquetting technology

GZ four-shaft shredder Series GZ 30, GZ 30 S, GZ 40, GZ 50

Long and oversized wood waste
Trouble-free shredding

GZ 30, GZ 30 S, GZ 40, GZ 50

The robust four-shaft shredders

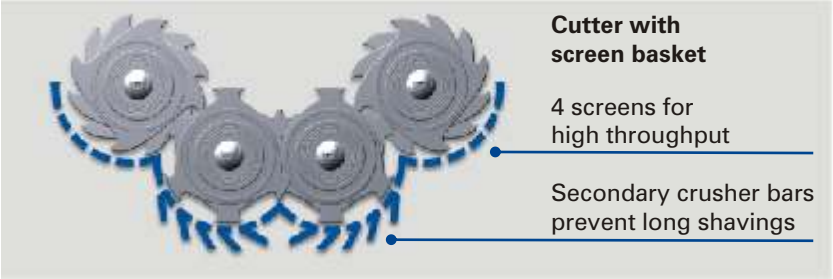
GZ series four-shaft shredders are ideal to shred and recycle very long and oversized wood waste such as mature timber, long boards, pallets, packaging, and cardboard of any kind. Four-shaft shredders are mainly used in the wood processing industry.

Cutting and clearing plates

Drive motors

Screen with secondary crusher bars

Cutting shafts (schematic)



Cutter (schematic)

Functional description

Materials are fed through the hopper of the four-shaft shredder to the cutter. The ripping teeth of the cutting discs powerfully grab and shred the material.
The clearing plates push the shredded material through the clearance between the main cutters.
The material is then discharged through the screen below the cutter.

Depending on the composition of the material to be shredded and the diameter of the holes in the screen that is used, the throughput rate ranges from 300 to 2,000 kg/h. Because of the shafts' extremely low rotational speed of about 25 rpm, sound level is only about 76 dB(A). The machines are equipped with automatic overload protection and a reverse switch.

GZ with extraction

Screen with different perforation

GZ filled with different materials

Waste from furniture manufacturing

Hardwood waste

Mixed waste

Broken-down pallets

	GZ 30	GZ 30 S	GZ 40	GZ 50
Hopper opening				
Width (mm):	1.000	1.000	1.300	1.500
Length (mm):	1.250	1.400	1.400	1.400
Cutter				
Working width (mm):	462	462	760	990
Length (mm):	562	700	700	700
Disc diameter (mm):	235	280	280	280
Motor power (kW):	2x5,5; 2x7,5; 2x11	2x11; 2x15; 2x18,5	2x11; 2x15; 2x18,5	2x11; 2x15; 2x18,5
Throughput	Depending on material composition and diameter of holes in the screen			
Screen-Ø 20 mm (kg/h):	300 - 500	500 - 800	600 - 1.200	800 - 1.500
Screen-Ø 40 mm (kg/h):	500 - 800	600 - 1.000	800 - 1.500	1.000 - 2.000
Suction piece Ø (mm):	200	200	200	200
Weight (approximately, in kg):	1.300	2.150	2.500	3.000

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