

Our big powerful

Single Shaft Shredder AZR 600 - AZR 2000 S Gigant



AZR 1500

AZR 600



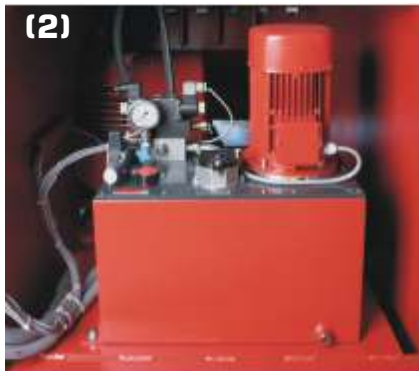
economic - robust - powerful

In the process of production you have waste. This can be either recycled for further applications or grinded. Our single shaft shredders of the series AZR offer extremely powerful solutions. Their solid construction allows for the efficient and

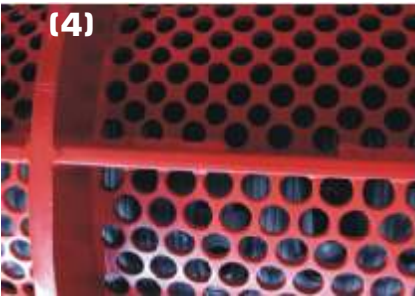
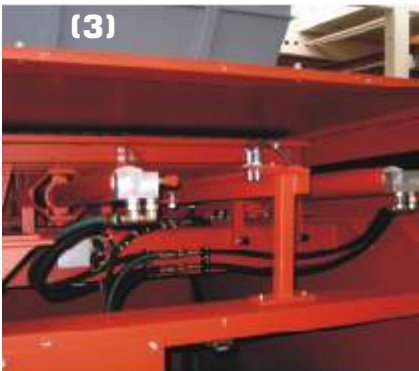
economic shredding of bulky and large materials. Further features include: robust design, high throughput rates, excellent reliability, operator-friendly, easy maintenance, low operating costs, wide range of applications.



Compact Single Shaft Shredders, the series AZR 600 - AZR 1000 S



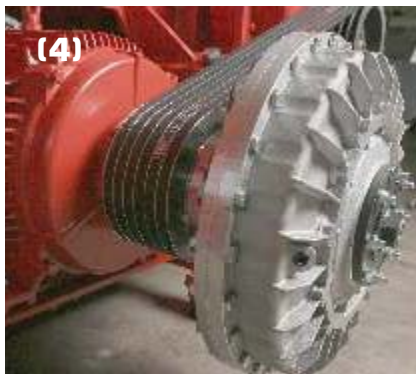
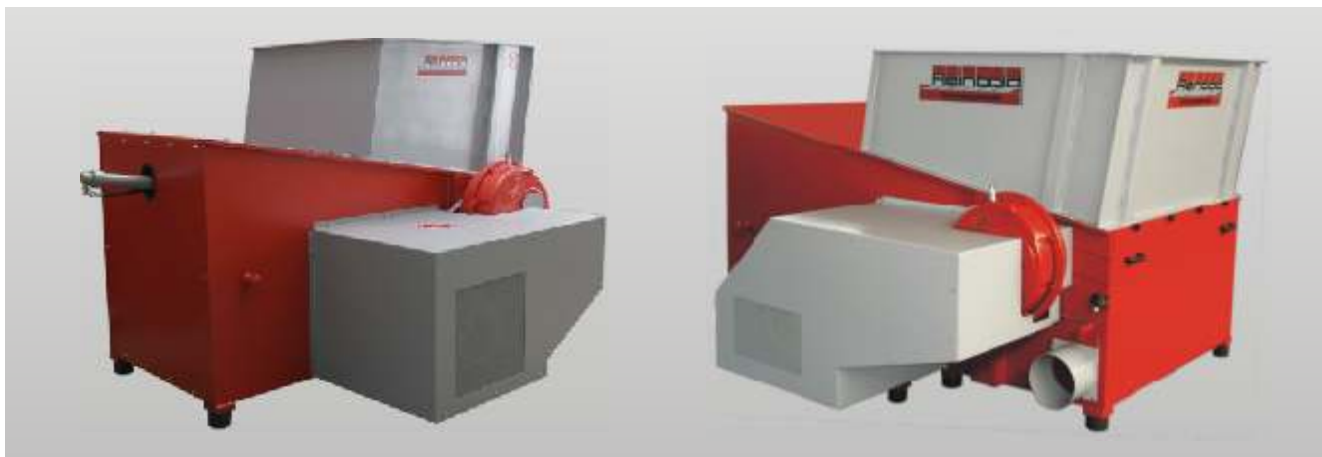
- (1)** The rotor shaft is made of solid steel. The cutting gap between rotor and counterknife is adjustable (optional).
- (2)** Hydraulic feed to ensure constant material feed to the rotor.
- (3)** Hydraulic cylinders suspended by cardanic joints are used to prevent the service life of piston cups being shortened.
- (4)** Variable screens for adjusting the size of chips to individual needs.
- (5)** Security package with gear end limit switch and reverse counter.



Type	AZR 600	AZR 600 S	AZR 800	AZR 800 S	AZR 1000	AZR 1000 S
Hopper opening (mm)	600 x 800	600 x 900	800 x 1.000	800 x 1.200	1.000 x 1.000	1.000 x 1.200
Hopper volume (m³)	0,6	0,7	0,9	1,2	1,0	1,25
Troughput rate	depending on the type of material and screen used					
Rotor-Ø (mm)	252	354	252	354	252	354
Rotor speed (UpM)	60-100	60-100	60-100	60-100	60 -100	60-120
Power consumption (kW)	11/15/18,5	15/18,5/22	15/18,5/22	18,5/22/30/37	18,5/22	22/30/37/45
Tools* (Pcs)	14	14/28	20	20/40	25	25/50
Screen perforation (mm)	10-40	10-40	10-40	10-40	10-40	10-40
Suction port-Ø (mm)	160	200	200	200	200	200
Air speed (m/sec)	28	28	28	28	28	28
Weight (approx.kg)	1.300	1.700	1.500	2.000	1.800	2.800

* Consult your dealer for assistance in selecting the tool which is best suitable for your application profile!





The following parameters are applicable to all machines of the AZR series:

Perforation size:

The standard size is 15/20 mm; optional sizes (mm): 10/12, 12/15, 20/25, 25/30; 35/40 Special sizes on request.

Throughput rate:

This parameter depends on the type of material to be handled (long, short, wet, dry, etc.) as well as on the size of the screen perforation. A machine usually processes between two and four hopper fillings per hour.

Removal of chips:

For this purpose you can use a suction plant, a conveyor screw or a conveyor belt. The minimum air speed for suction plants is 28 m/s.

Options:

- (1) = Movable screen cage
- (2) = Segmented floor 4-sided
- (3) = Discharge via worm screw
- (4) = Turbo hydraulic from 30 kW

Powerful grinders, the series AZR 1200 - AZR 2000 S

Type	AZR 1200	AZR 1300	AZR 1400	AZR 1500	AZR 1800	AZR 2000
Hopper opening (mm)	1.200 x 1.200	1.300 x 1.200	1.500 x 1.200	1.500 x 1.500	1.800 x 1.500	2.000 x 1.500
Hopper volume (m ³)	1,5	1,65	1,85	2,3	2,8	3,0
Throughput rate	depending on the type of material and screen used					
Rotor-Ø (mm)	354	354	354	354	354	354
Rotor speed (UpM)	60-120	60- 120	60-120	60-120	60-120	60-120
Power consumption (kW)	22/30/37/45	37/45/55	37/45/55/75	37/45/55/75	45/55/90	45/55/90
Tools* (Pcs)	29/58	35/70	37/74	37/74	2 x 45/ 2 x 55	2 x 45/ 2 x 55
Screen perforation (mm)	10-50	10-50	10-50	10-50	45/90	49/98
Suction port-Ø (mm)	200	250	250	250	10-50	10-50
Air speed (m/sec)	28	28	28	32	250	250
Weight (approx. kg)	3.200	3.800	4.000	4.500	32	32
					5.800	6.500

* Consult your dealer for assistance in selecting the tool which is best suitable for your application profile!

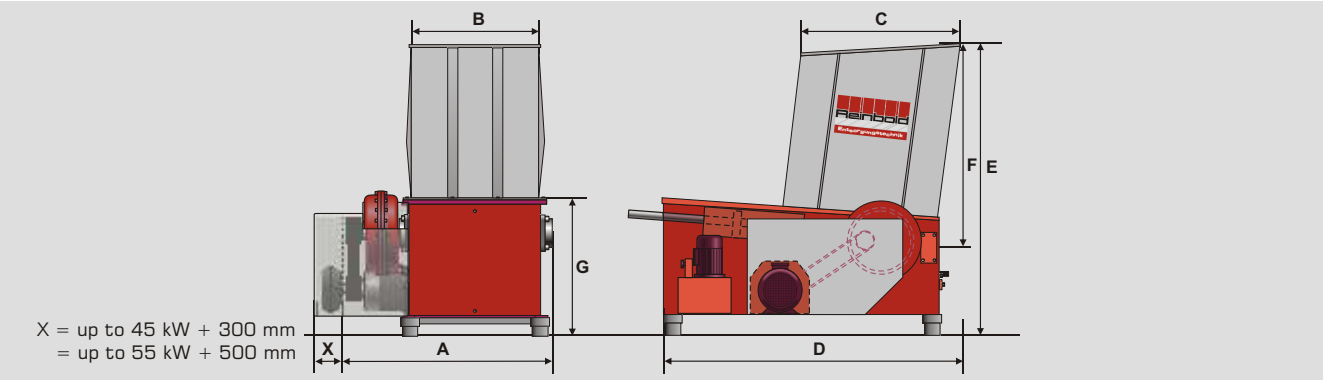


For industrial applications: the series AZR Gigant



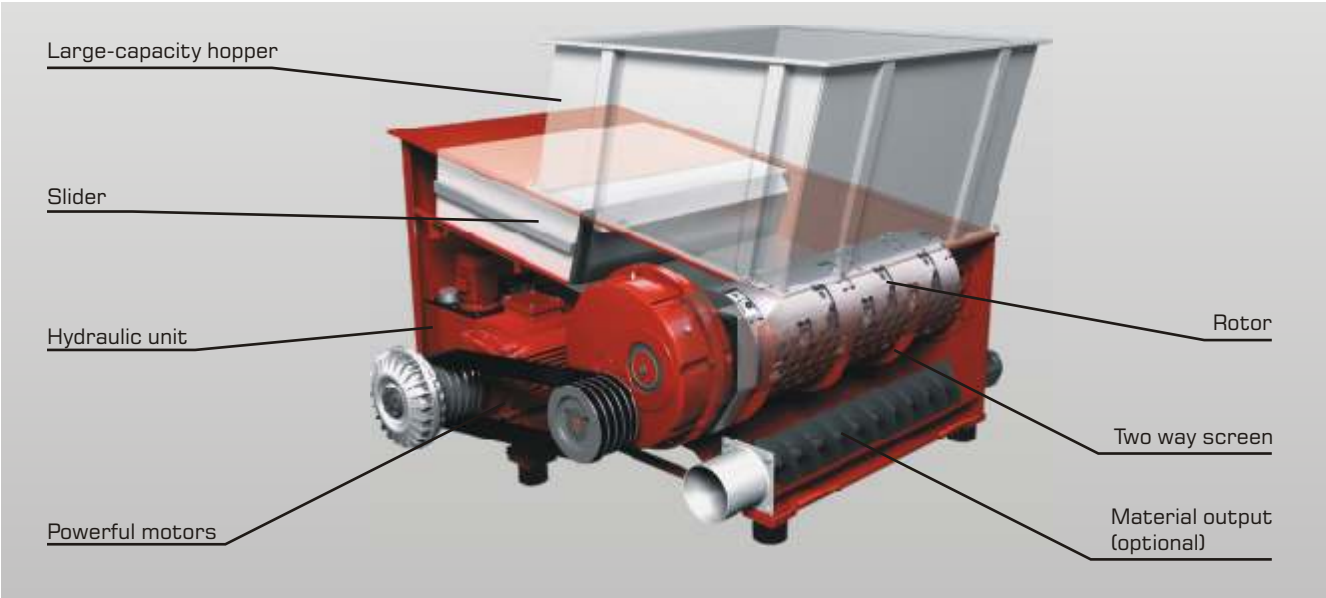
Application examples of the series AZR

Specifications: Dimensions of the AZR Series

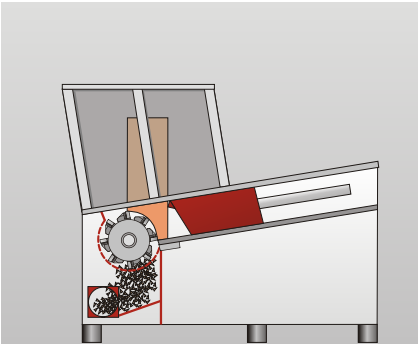


Type	AZR 600	AZR 600 S	AZR 800	AZR 800 S	AZR 1000	AZR 1000 S
Size A (mm)	1.100	1.100	1.300	1.340	1.500	1.800
Size B (mm)	600	600	800	800	1.000	1.000
Size C (mm)	800	900	1.000	1.200	1.000	1200
Size D (mm)	1.800	1.940	2.100	2.420	2.100	2400
Size E (mm)	1.640	1.795	1.640	1.730	1.640	1.720
Size F (mm)	1.090	1.090	1.090	1.020	1.090	1.030
Size G (mm)	740	880	740	1.000	740	990
Type	AZR 1200	AZR 1300	AZR 1400	AZR 1500	AZR 1800	AZR 2000
Size A (mm)	2.000	2.215	2.300	2.300	2.600	2.800
Size B (mm)	1.200	1.300	1.500	1.500	1.800	2.000
Size C (mm)	1.200	1.215	1.200	1.500	1.500	1.500
Size D (mm)	2.400	2.150	2.400	3.000	3.000	3.000
Size E (mm)	1.720	1.730	1.720	1.720	1.720	1.720
Size F (mm)	1.030	1.030	1.030	1.030	1.030	1.030
Size G (mm)	990	945	990	990	990	990

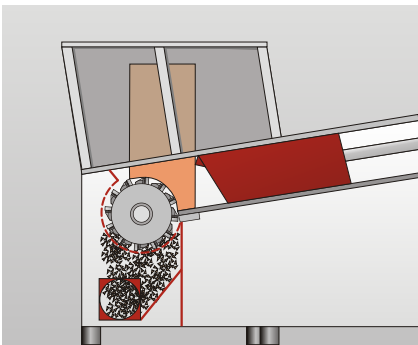
The functionality of the Single Shaft Shredders:



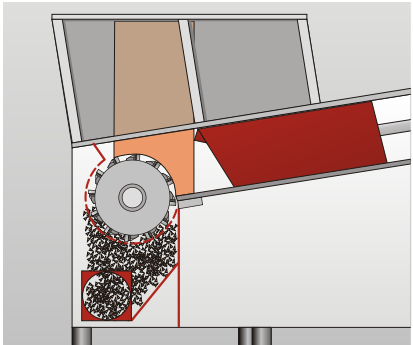
The different diameters of the rotors:



The rotor with diameter 252 mm and excellent power for smaller applications (AZR 600)



Rotor with diameter 354 mm providing a wide angle of screen contact for higher throughput (Serie S)



Rotor with diameter 482 mm for applications with very high throughput

Cutting knives that lower your operating costs!

The use of various types of knives enables job-related adjustment of the shredder to the material being processed.



The highly efficient scissors cut out of the concave ground circular cutting heads enable a very high work rate with very little effort. The knives are mounted on a rotor and can be turned up to 8 times with just a few adjustments before having to be exchanged completely.



Concave cutting heads can be turned up to 4 times.



Machines from the Reinbold product line:



The AZR 600 - 2000 Gigant series: the single shaft shredder for effective plastics shredding



The RMZ 500 - RMZ 1000 S series: a four-shaft shredder that is ideal for shredding long stock



The RLZ 400 - RHZ 1300 S horizontal shredder: a horizontally fed machine



The series RB 80 - RB 300 S Flexible: for briquetting chips



The series RB 20 SV - RB 60 SV: the small but powerful briquetting press



The RNZ granulator series: for two-stage shredding down to a chip size of > 3 mm

Drawing on its many years of experience, Reinbold, with its broad range of machines, is able to offer ideal solutions for different applications in material shredding and briquetting. Our testing facility is available to perform tests on your material.

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