

/// The Industrial 4 - Shaft Shredder **high quality and low speed**



4 - Shaft Rotary Shear Shredders ZMK 30 – ZMK 50 **for economic recycling applications**

The ZMK 30 – ZMK 50 4-shaft shredders are designed for nearly any heavy-duty size reduction application that requires uniform particle sizes.

This type of machine can be used for composting papers, for product destruction and to produce fuels from wood, paper and plastic materials.

The Industrial Shredder

ZMK 30 – ZMK 50

Designed to match specific needs that require consistent particle size

Advantages of the slow-speed technology:

The 4-Shaft Rotary Shear Shredder ZMK is designed for nearly all kind of material recovery and recycling, incineration and material destruction, compaction and volume reduction. The ZMK Series can achieve capacities from 700 lbs/hr up to 4,400 lbs/hr, depending on material and screen size.

The low speed cutting system (approx. 25 rpm) offers many advantages such as less service and maintenance costs and increased reliability. Features like capacity control and automatic reverse of shafts are standard. A press down device (Hydraulic Ram Assist) is available.



Optionally equipped with PLC Controls press down device and enhanced machine support frame



Cutting Shafts of the 4-Shaft Shredders ZMK 30 – ZMK 50



ZMK 30, ZMK 40, ZMK 50 for rotary shear power

Air-Discharger:

A special feature for Material Air Transport

4 - Shaft Rotary Shear Shredders

ZMK 30 – ZMK 50

Better performance, less maintenance

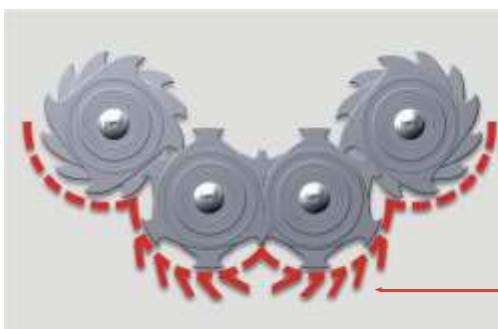
ZMK 4-Shaft Technology processes and re-circulates material in the unit until it is sized to pass through a removable screen set directly below the cutters.

No additional or external equipment is needed to produce a consistent particle size.



The ZMK with pneumatic discharge system

ZMK with discharge conveyor and metal separation

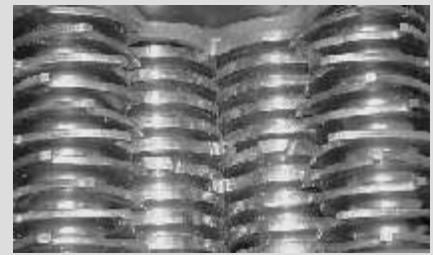


Principle of shafts and screen insert

Multi-surface screen for extra high capacity

Uniform particle size supported by Advanced Break Beams (ABB)

Features of the ZMK 30 – ZMK 50



Advanced design of cutters and shafts

High throughput in one pass with low speed, high torque design. 4-shafts for uniform particle size.



Power and drives

The shafts are driven by two electric motors through a heavy-duty oil gearbox. Independent Auto Reverse Shafts

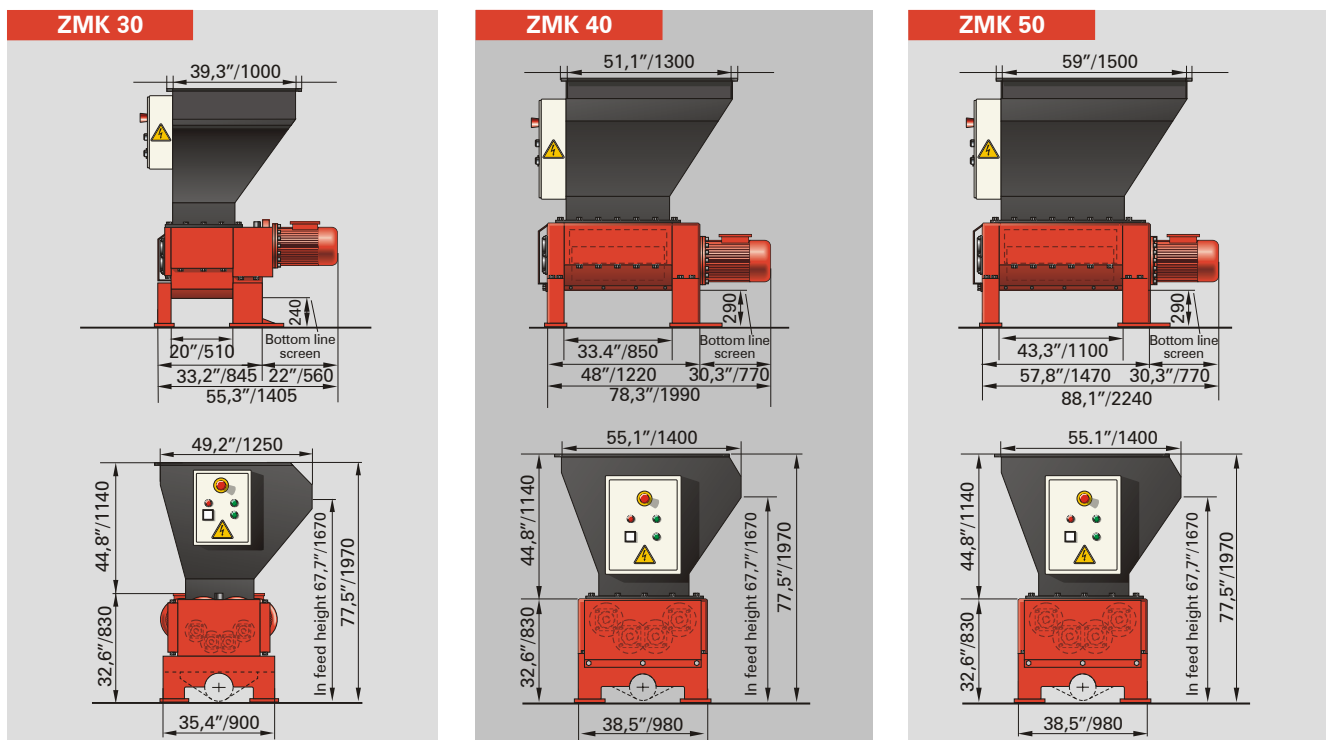


Screens

Quick and easy screen change
Screen sizes for 0.5" - 3" (12-80 mm) available.

Technical Data

ZMK 30 – ZMK 50



	ZMK 30	ZMK 30S	ZMK 40	ZMK 50
Hopper opening:				
(inch)	39.4 x 49.2	39.4 x 55.1	51.2 x 55.1	59.0 x 55.1
(mm)	1,000 x 1,250	1,000 x 1,400	1,300 x 1,400	1,500 x 1,400
Cutting chamber:				
Working Length rotor (inch/mm)	18.2 / 462	18.2 / 462	30 / 560	39 / 990
Working Width (inch/mm)	22.1 / 562	27.6 / 700	27.6 / 700	27.6 / 700
Cutting disc-Ø (inch/mm)	9.3 / 235	11 / 280	11 / 280	11 / 280
Power (hp):	2x7.5; 2x10; 2x15	2x15; 2x20, 2x25	2x15; 2x20; 2x25	2x25
(kW):	2x5,5; 2x7,5; 2x11	2x11; 2x15; 2x18,5	2x11; 2x15; 2x18,5	2x18,5
Capacity / Throughput:	depending on screen size or material			
estimated for 3/4" (lbs/hr)	700 - 1,100	1,100 - 1,800	1,300 - 2,600	1,800 - 3,300
20 mm screen (kg/hr)	300 - 500	500 - 800	600 - 1,200	800 - 1,500
estimated for 1 5/8" (lbs/hr)	1,100 - 1,800	1,300 - 2,200	1,800 - 3,300	2,200 - 4,400
40 mm screen (kg/hr)	500 - 800	600 - 1,000	800 - 1,500	1,000 - 2,000
Weight approx. (lbs/kg):	2,900 / 1,300	4,700 / 2,150	5,500 / 2,500	6,600 / 3,000

Various cutting discs in width of 0,78"/20 mm, 1.2"/30 mm, 2.0"/52 mm, 3.0"/78 mm and design available!

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