

KING KONG



K SERIES

HIGH PERFORMANCE SINGLE SHAFT SHREDDERS

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K Series Single Shaft Shredders are heavy duty machines suitable for processing a wide range of materials. This range of shredders are ideal for the size reduction of flexible and/or medium hardness, voluminous products often loaded in bales. The fast acting, PLC controlled swing pusher automatically forces material to the rotor according to motor loading, maximizing material throughput. Machine capacities typically range between 1,500kg/hr – 9,000kg/hr+ depending on the model, material type and application.

Typical applications include:

- Various Plastics – Mouldings, Purgings/Lump, Profiles, Films etc.
- Paper & Cardboard – Confidential Documents, Production Waste, Packaging Materials etc.
- Copper – Household, Automotive, Telecoms and Industrial Cables including S.W.A
- Aluminum – Used Beverage Cans (UBC's), Swarf, Cables etc.
- Textiles – Carpet (Rolls & Tiles), Garments, Production Waste etc.
- Security Destruction – Counterfeit Items, Faulty Goods, Out of Date Stocks etc.
- Foams – Production Waste, Insulation Materials, Product Fillings etc.
- Mixed Household, Commercial & Industrial Wastes – RDF/SRF Production



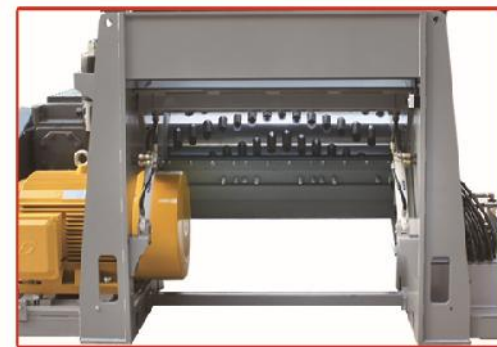
High Performance Rotor

The single shaft milling rotor results in high performance & efficient operation, producing high quality products. Multiple rotor knives positioned in a chevron configuration and mounted in easily replaceable knife holders result in low vibration, efficient operation and reduced maintenance costs..



Classifier Screen

Changeable screen plate inserts manufactured from high quality steels and mounted in a welded support frame with various different apertures available to suit specific applications. Access to the screen is via maintenance door. Easy change of the screen modules using a swivel mounted hydraulically operated system.



Maintenance Access Door

- Direct service access to the rotor and blades from the rear of the machine.
- Quick removal of large foreign objects from the cutting chamber.
- Simplified machine maintenance.
- Quick and easy replacement & adjustment of the knives.



Robust Drive & Gearbox

- Powerful electric motor provides drive to the rotor shaft via a low maintenance, shock absorbing v-belt arrangement.
- The oversized gearbox with increased service factor and shock absorbing mount results in long life, trouble free operation.
- The speed reduction gearbox is mounted directly on the rotor shaft.



Hydraulic Pusher

The hydraulic pusher effectively delivers material to the rotor according to motor load. The system uses an unguided pusher unit and all load bearing parts are mounted outboard of the shredding chamber resulting in low maintenance, trouble free operation. The curved chamber floor naturally encourages material towards the rotor shaft.



Intelligent Control Panel

Programmed to allow material specific machine adjustments on site. Maintenance, inspection, and fault failure signals. Available with optional touch screen and remote maintenance features. High quality, readily available Siemens & Schneider electrical components.

TECHNICAL DATA



Model	K1500	K2000	K1700	K2200
Dimension L / W / H (mm)	3,660 x 2,210 x 2,950	4,590 x 2,210 x 2,970	5,500 x 2,400 x 3,100	6,200 x 2,400 x 3,100
Hopper Inlet (mm)	1,900 x 1,440	2,400 x 1,440	2,100 x 1,450	2,650 x 1,450
Discharge Height (mm)	440	440	550	600
Ram Travel (mm)	1,000	1,000	1,000	1,000
Rotor Diameter (mm)	Ø 480		Ø 650	
Rotor Operation Length (mm)	1,500	2,000	1,650	2,200
Rotor Speed (rpm)	80	80	80	80
Screen (mm)	Ø 40	Ø 40	Ø 40	Ø 40
Rotor Knives (pcs)	84	95	78	105
Counter Knives (pcs)	3 + 3	4 + 4	3 + 3	4 + 4
Drive Power (kW)	110	75 + 75	132	90 + 90
Hydraulic Power (kW)	5.5	5.5	7.5	11
Hopper Volume (litres)	2,650	3,500	3,000	4,000
Approximate Weight (kg)	11,000	16,720	14,000	18,000

Model	K2800	K1800	K2400	K3000
Dimension L / W / H (mm)	7,000 x 2,400 x 3,100	5,800 x 2,450 x 3,280	6,500 x 2,450 x 3,280	7,400 x 2,450 x 3,280
Hopper Inlet (mm)	3,200 x 1,450	2,300 x 1,450	2,900 x 1,450	3,500 x 1,450
Discharge Height (mm)	600	600	600	600
Ram Travel (mm)	1,000	1,000	1,000	1,000
Rotor Diameter (mm)	Ø 650		Ø 800	
Rotor Operation Length (mm)	2,750	1,800	2,400	3,000
Rotor Speed (rpm)	80	80	80	80
Screen (mm)	Ø 40	Ø 40	Ø 40	Ø 40
Rotor Knives (pcs)	118	105	124	156
Counter Knives (pcs)	5 + 5	3 + 3	4 + 4	5 + 5
Drive Power (kW)	110 + 110	110 + 110	132 + 132	160 + 160
Hydraulic Power (kW)	11	5.5	7.5	11
Hopper Volume (litres)	5,000	3,300	4,500	5,500
Approximate Weight (kg)	22,000	15,000	21,000	26,000

Please Note: Technical data provided is indicative only and may be subject to change without notice