## 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

GENOX shredding recycling
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GENOX shredding recycling

# KING KONG

## K SERIES

### HIGH PERFORMANCE SINGLE SHAFT SHREDDERS

www.genoxtech.com

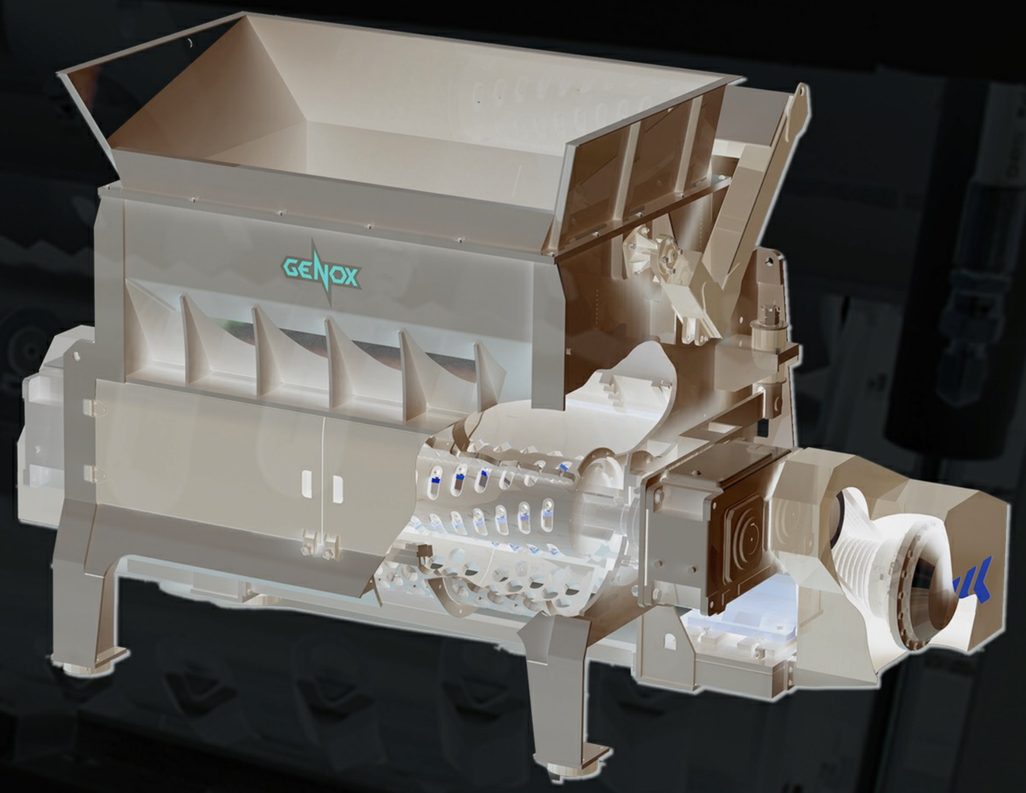
DESIGN & FEATURES

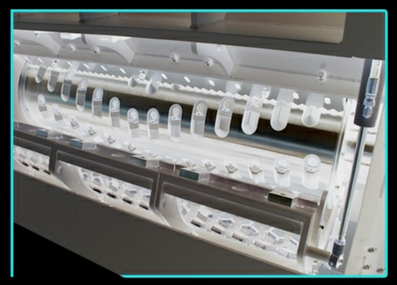
# K SERIES SINGLE SHAFT SHREDDERS

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, volmunous 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 between1,500kg/hr –9,000kg/hr+ depending on the model, material type and application.

Typical applications include:

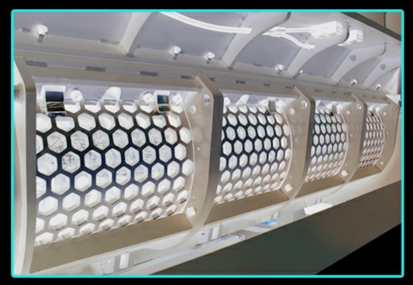
- Various Plastics – Mouldings, Purgings/Lump, Profiles, Films etc.
- Paper & Cardboard – Confidential Documents, Production Waste, Packaging Materials etc.
- Copper – Household, Automotive, Telecoms and Industrial Cables including S.W.A
- Aluminum – Used Beverage Cans (UBC's), Swarf, Cables etc.
- Textiles – 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



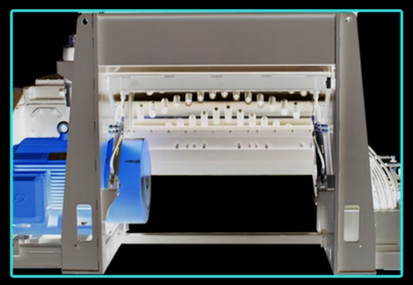
## High Performance Rotor

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..



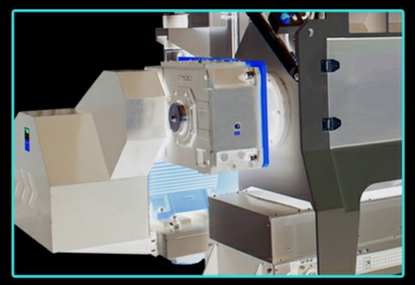
## Classifier Screen

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 encouarges 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, readliy available Siemens & Schneider electrical components.