



## **GL SERIES** **TWO SHAFT SHREDDERS**





## GL SERIES TWO SHAFT SHREDDERS

The GL Series two shaft shredders are heavy duty machines designed for industrial applications and can be configured to efficiently process a wide range of materials.

Our machines are developed to the highest standard using state of the art technology, ensuring you have a machine that is reliable and efficient.

The GL Series shredders are available in a wide range of sizes and configurations and can be customised to suit your required throughput and sizing.

We can also assist with the development of supply infeed, discharge and plant solutions to integrate with your shredder.

### BENEFITS

- Auto-reverse self protect functionality
- Reliable & durable construction
- Easy maintenance
- Suitable for processing multiple products
- Safe & easy operation
- Variety of hook designs available
- Modular Chamber Design with split endplates and bearing housings enabling quick access to key components.
- Advanced Adjustable Sealing System for the bearings.
- Electrical Control Panel with Siemens PLC Control System.

### APPLICATIONS

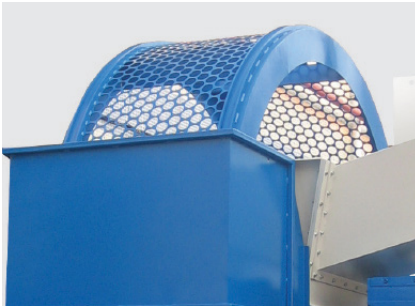
A wide variety of applications include:

- |           |                       |
|-----------|-----------------------|
| • Tyres   | • MSW/RDF             |
| • E-waste | • Product Destruction |
| • Pallets | • Wood                |
| • Paper   | • Bottles/Cans        |
| • Drums   | • Newsprint           |



# FEATURES THAT GUARANTEE HIGH PERFORMANCE

## KEY FEATURES



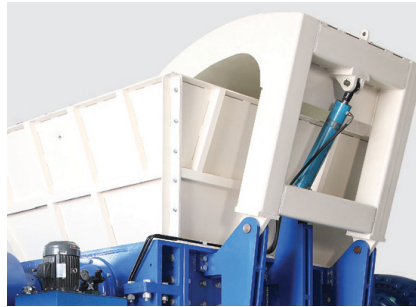
### Rotating Screen

To enable sizing of the output product, the rotating screen is designed to feed oversized material back into the shredding chamber for further shredding to the correct product size.



### Hydraulic Drive System

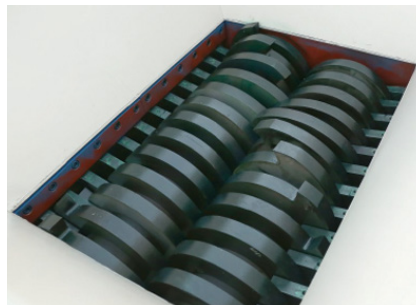
The hydraulic drive system as opposed to the conventional direct motor drive systems is a huge user benefit; designed to operate in the harshest applications. The hydraulic drive increases torque and the shredder speed can be increased without excessive current peaks whilst the probability of machine damage is substantially reduced. An additional vertical force-feeding ram is available to pass the material onto the rotor from above in order to optimise performance.



### Hydraulic Pusher

When shredding bulky materials such as plastic drums, the hydraulic pusher is recommended to force-feed the material through the shredder and prevent it from bouncing or bridging on top of the rotors.

This system also maximises throughput and performance.



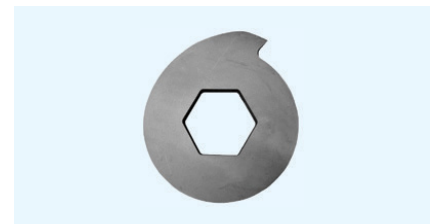
### Blade Variations

To ensure durability and flexibility, we can offer different kinds of blades according to various materials.

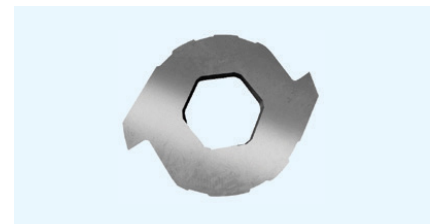
VSD options are available for individual control of blade speeds allowing optimal shredding performance and maximising throughput.

## BLADE Types

The blade design and configuration can be specified to suit individual applications and optimise the durability and longevity of the cutting system. The correct selection of blades is essential to the correct performance of the shredder.



### Single-hook Blade



### Two-hook Blade

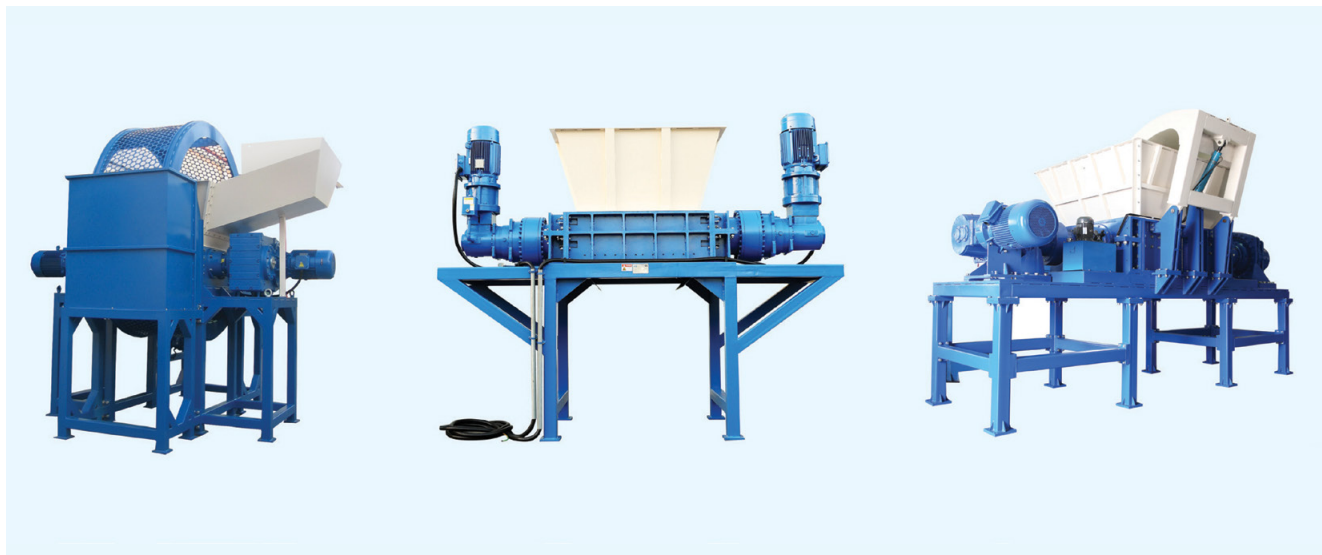


### Four-hook Blade



### Six-hook Blade





## SPECIFICATIONS

| Model Item | Dimension<br>L/W/H (mm) | Cutting Chamber<br>L/W (mm) | Number of Cutters<br>(pcs) | Cutter<br>Thickness<br>(mm) | Main Motor Power<br>(KW) | Weight<br>(KG) |
|------------|-------------------------|-----------------------------|----------------------------|-----------------------------|--------------------------|----------------|
| GL2140     | 1892 x 910 x 1911       | 410 x 470                   | 20                         | 20                          | 7.5KW                    | 1500Kg         |
| GL2160     | 2658 x 910 x 1911       | 610 x 470                   | 30                         | 20                          | 5.5Kw + 5.5Kw            | 2100Kg         |
| GL2180     | 3018 x 1367 x 1911      | 810 x 470                   | 40                         | 20                          | 7.5Kw + 7.5Kw            | 2400Kg         |
| GL3280     | 2940 x 1816 x 2270      | 812 x 736                   | 20                         | 40                          | 15Kw + 15Kw              | 3700Kg         |
| GL32100    | 3275 x 1946 x 2275      | 1012 x 736                  | 25                         | 40                          | 22Kw + 22Kw              | 4100Kg         |
| GL32120    | 3416 x 1946 x 2275      | 1213 x 736                  | 30                         | 40                          | 22Kw + 22Kw              | 4500Kg         |
| GL40100    | 3334 x 1866 x 2670      | 984 x 948                   | 20                         | 50                          | 37Kw + 37Kw              | 6500Kg         |
| GL40130    | 3716 x 2234 x 2670      | 1324 x 948                  | 26                         | 50                          | 45Kw + 45Kw              | 8700Kg         |
| GL40160    | 4674 x 1770 x 3765      | 1624 x 948                  | 32                         | 50                          | 45Kw + 45Kw              | 9200Kg         |
| GL50130    | 4187 x 2060 x 2702      | 1612 x 1006                 | 32                         | 50                          | 55Kw + 55Kw              | 12800Kg        |
| GL50180    | 5170 x 1866 x 3905      | 1812 x 1206                 | 36                         | 50                          | 55Kw + 55Kw              | 13600Kg        |
| GL61180    | 5404 x 2404 x 3746      | 1812 x 1490                 | 24                         | 75                          | 75Kw + 75Kw              | 20200Kg        |
| GL61210    | 5297 x 2714 x 3537      | 2112 x 1510                 | 24                         | 75                          | 90Kw + 90Kw              | 23200Kg        |

\*Please note: Specifications are indicative only and may be subject to change without notice. Equipment is sold with an operation manual and risk assessments relating to the equipment as supplied. It is the responsibility of the purchaser to conduct their own assessments and determine the suitability of the equipment for the intended use. Other models and custom builds available on request.

