

# Tyres

Reducing tyres to granules to be re-sold, recycled or disposed of in an environmentally sound fashion.

[www.ulstershredders.com](http://www.ulstershredders.com)



# Efficient Processing & Waste Management

Waste management is now an integral part of every organisation's core activities. Our role is to help each customer handle their processing and shredding needs efficiently and cost effectively, whether it be plastic, metal, tyres, documents or other onsite shredding requirements.

With over thirty years experience behind us, and a global customer base that ranges from SMEs and office centres to large scale industrial plants, we have an unparalleled breadth of experience in the field of advanced industrial shredders. This means that we can design, deliver and install full turnkey shredding solutions to handle practically any product, in any environment, worldwide.

Our success is based on our ability to evaluate specific situations and then deliver precise solutions. Our aim is to help customers achieve measurable bottom line improvements: savings in manpower costs through reduced material handling reduced transportation costs from moving compacted material improved corporate security, particularly with document disposal new revenue streams from sale of shredded waste.

Ulster Shredders' state of the art engineering facility in Northern Ireland houses several complete shredding lines. These allow our engineers to perform throughput and consistency testing by conducting trials, tests and demonstrations of our customers' materials under real production conditions.



## Tyres

Responsible disposal of used tyres is an increasingly expensive business, involving sorting, storage, collection and disposal costs. However, used tyres also represent a valuable resource. They can be processed into rubber shred and crumb for a variety of uses, including equestrian, sports and safety surfaces as well as carpet underlay. The finer grades of crumb are incorporated into under-bonnet rubbers on vehicles and can be used for road surfaces.

Ulster Shredders present a viable means for organisations to successfully tackle their used tyre problem, and reduce bulky, hazardous items to a format that can be re-sold, recycled and disposed of in an environmentally sound fashion.

Safety is paramount feature of all our products, and it is design engineered into each machine. This not only ensures that dust and noise are kept to a minimum, but that operator safety is maintained at all times.

## U-TS100 Mk1

Heavy duty shredding requires a heavy duty solution, so where there are large volumes of automotive tyres to be disposed of, the U-TS100 Mk1 provides the answer. This machine is designed for very tough environments where continuous running and minimal downtime is required. Its modular format allows for the interchange of modules with different knife configurations, which means that the U-TS100 Mk 1 is widely utilised in waste minimisation, recycling, and production processes aimed principally at the rubber and plastics industries.

### Key features:

- Transportation costs of shredded materials reduced by up to 75%
- Preparation of products for recycling
- Self cleaning, counter rotational shafts for continuous shredding
- Flexible feed and discharge arrangements available
- Automatic reversing and overload protection system
- Basic and smart control system options
- Variety of knife and hook options to suit different products and shred size requirements
- Modular construction for ease of maintenance

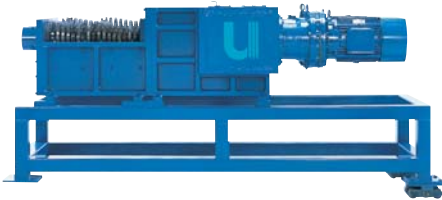
### Alternative applications:

- Security destruction of production seconds and by-products
- Air or belt conveyed feed and discharged shredding systems
- Shredding of 205 litre steel or plastic drums
- Secondary shredder for general sorted waste



## U-TS100 Mk1 General specifications

|                | Height | Width  | Length | Weight |
|----------------|--------|--------|--------|--------|
| General Assy.  | 3400mm | 2050mm | 3470mm | 8900kg |
| Shredder       | 925mm  | 1425mm | 3500mm | 7250kg |
| Gearbox Assy.  | 925mm  | 1425mm | 2350mm | 4500kg |
| Chamber Assy.  | 800mm  | 1220mm | 1450mm | 2750kg |
| Drive Motor    | 800mm  | 625mm  | 1500mm | 750mm  |
| Safety Stand*  | 1650mm | 1590mm | 3470mm | 1125kg |
| Safety Hopper* | 1250mm | 1425mm | 925mm  | 325kg  |
| Control Panel  | 1600mm | 1000mm | 400mm  | 200kg  |



|                                |               |
|--------------------------------|---------------|
| Cutting Chamber Size           | 800mm x 812mm |
| Distance between shaft centres | 305mm         |
| Size of shaft hexagon          | 127mm A/F     |
| Maximum knife diameter         | 420mm         |
| Maximum knife thickness        | 47mm          |
| Maximum weight of knife        | 35kg          |

\* Can vary with turnkey systems to customer's requirement, and manufactured to CE Standard.

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