

### U-100SB (75kW) General specifications

	Height	Width	Length	Weight
General Assy.	Custom designed to suit location and feed			
Shredder	635mm	1300mm	3260mm	7500kg
Drive Motor	800mm	625mm	1400mm	750kg
Support Stand	Custom built depending on feed method			
Feed Hopper	Custom built depending on location			
Control Panel	2000mm	1000mm	400mm	300kg

Shredding Chamber Size	1000mm x 812mm
Distance between shafts	305mm
Size of shaft hexagon	127mm A/F
Maximum knife diameter	420mm
Minimum knife thickness	12mm
Maximum knife thickness	47mm



### U-45 General specifications

	Height	Width	Length	Weight
General Assy.	2700mm	1460mm	2770mm	2100kg
Shredder	500mm	1000mm	2600mm	1500kg
Drive Motor	550mm	475mm	1150mm	325kg
Safety Stand*	1275mm	1270mm	2770mm	450kg
Safety Hopper*	1120mm	1200mm	1150mm	100kg
Control Panel	800mm	800mm	200mm	50kg

Cutting Chamber Size	1074mm x 524mm
Distance between shaft centres	192mm
Size of shaft hexagon	85mm A/F
Maximum knife diameter	260mm
Maximum knife thickness	31mm
Maximum weight of knife	8kg

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



## Tyres

Reducing tyres to crumb rubber or fuel in a cost effective and efficient manner.

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

The material in this document is for information only and is subject to change without notice. While reasonable efforts have been made in the preparation of this document to assure its accuracy, Ulster Shredders Limited assumes no liability resulting from errors or omissions in this document, or from the use of information contained herein. Ulster Shredders Limited reserves the right to make changes in the product design without reservation and without notification to its users.

**Ulster Shredders Ltd**  
 Cogry Mill, Ballyclare, County Antrim, Northern Ireland BT39 0PU  
 Telephone: 028 9335 2526 Fax: 028 9335 2302  
 Email: [info@ulstershredders.com](mailto:info@ulstershredders.com) Website: [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. Fuel is becoming an increasingly popular outlet for Shredded tyres without the necessity to remove steel.

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-100SB

Heavy duty shredding requires a heavy duty solution, so where there are large volumes of automotive tyres to be disposed of, the U-100SB provides the answer. This machine is designed for very tough environments where continuous running and minimal downtime is required. The U-100SB is widely utilised in confidential waste minimisation, recycling, and production processes aimed principally at the rubber and confidential document Shredding 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-45 Shredder

The large feed aperture of the U-45 (available also in a long bed version for over-sized items) makes it ideal for secondary Shredding tyre rubber. With its powerful 30kW drive, The U-45 has both the capacity and the torque to efficiently shred pre-shredded rubber or even whole tyres to the desired particle size.

In addition, the U-45 can voraciously consume such items as rigid plastics products, including 1000 litre IBC plastic tanks, 200 litre drums, uPVC window and door frames plus panel mouldings, as well as municipal waste, rubber, glass, wood (including pallets and tree bark) and textile fibres.

### Key features:

- Up to 75% volume reduction
- Flexible loading (manual, conveyor, bin-lifter etc.)
- Economical product waste 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

### Alternative applications:

- Confidential document and media destruction
- Security destruction of production seconds and by-products
- Hydraulically driven, integrated marine waste processing systems
- Mobile on-site shredding
- Air or belt conveyed feed and discharged shredding systems.

