

Metal

Meeting your metal processing requirements with powerful, efficient, and reliable shredders that increase throughput and efficiency.

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.



Shredding Metal

Rising energy costs, the increasing expense of landfill sites, diminishing natural resources and demand for recycled materials – all of these factors are driving forces behind the collection and reprocessing of our waste metals.

This is an area in which Ulster Shredders excels. The reduction and disposal of metal waste calls for dependable shredders that have the appetite for any job, large or small. We manufacture low speed, high torque industrial shredders that are designed to meet your metal processing requirements. Our drives deliver powerful, efficient, and reliable performance that ensures high throughput and efficiency. They provide the ideal way to improve your material handling capabilities, whether for reduction, recycling or recovery applications. This can include machine tool swarf, press skeletons, oil filters, metal cans and drums.

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-15 Shredder

The high levels of torque from this robust 15KW/20hp unit mean that it is ideal for businesses that wish to upgrade from a smaller sized shredder, or require greater throughput rates. It can handle high volumes of cans and light metal containers, as well as bushy machine tool swarf.

In addition, its low speed/high torque combination means that the U-15 can shred other products such as paper & cardboard, glass, plastic products such as CDs, DVDs, and video cassettes, plus textiles, food and drink, tobacco, tannery products and wood.

Key features:

- Up to 75% volume reduction
- 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:

- Security destruction of production seconds and by-products
- Stainless steel, food grade and pharmaceutical machines
- Hydraulically driven, integrated marine waste processing systems
- Mobile on-site shredding
- Air conveyed feed and discharged shredding systems

U-45 Shredder

The large feed aperture of the U-45 (available also in a long bed version for over-sized items) allows it to accept bulky items and this, combined with its powerful 30kW drive, means that it has both the capacity and the torque to efficiently shred both free-standing and nested metallic items.

In addition, the U-45 can voraciously consume such products as heavy duty plastic 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

U-100

The 75kW drive on the U-100 makes it capable of larger throughputs, by generating more torque within a larger chamber than smaller machines in the range. This combination of capacity and torque makes it ideal for the volume reduction of aluminium and light steel, as well as steel drums

The U-80 is endowed with remarkable shredding capabilities on a wide range of materials including: packaging, hospital waste, aluminum cans, PET bottles, computer printouts, manufacturing rejects, pharmaceutical rejects, glass/glass containers, plastic purgings and sprues, wood, skids, pallets, crates, steel drums, documents, hides, concession waste, newspapers, and much more.

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
- Preparation of products for recycling

Alternative applications:

- Confidential document and media destruction
- Security destruction of production seconds and by-products
- Air or belt conveyed feed and discharged shredding systems
- Rigid plastics and rotational mouldings
- Primary shredder for pre-sorted municipal waste MRF
- Yellow bag clinical waste



U-15 General specifications

	Height	Width	Length	Weight
General Assy.	2400mm	1125mm	2180mm	1200kg
Shredder	550mm	750mm	2100mm	800kg
Drive Motor	550mm	475mm	1150mm	325kg
Safety Stand*	1175mm	875mm	2180mm	300kg
Safety Hopper*	920mm	950mm	765mm	70kg
Control Panel	600mm	600mm	200mm	30kg

Cutting Chamber Size	700mm x 345mm
Distance between shaft centres	132mm
Size of shaft hexagon	60mm A/F
Maximum knife diametre	175mm
Maximum knife thickness	31mm
Maximum weight of knife	5kg

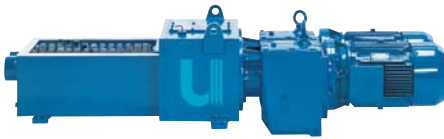
* Can vary with turnkey systems to customer's requirement, and manufactured to CE Standard

U-45 SB 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 diametre	260mm
Maximum knife thickness	31mm
Maximum weight of knife	8kg

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

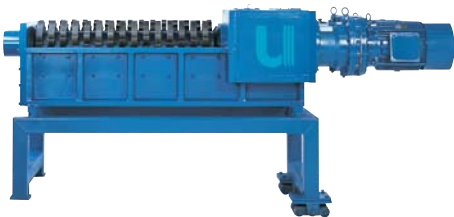


U-100 General specifications

	Height	Width	Length	Weight
General Assy.	3650mm	1325mm	4425mm	9500kg
Shredder	925mm	1425mm	3800mm	7500kg
Drive Motor	800mm	625mm	1500mm	750kg
Safety Stand*	1650mm	1590mm	3940mm	1250kg
Safety Hopper*	1530mm	1855mm	2420mm	500kg
Control Panel	1600mm	1000mm	400mm	200kg

Cutting Chamber Size	1580mm x 812mm
Distance between shaft centres	305mm
Size of shaft hexagon	127mm A/F
Maximum knife diametre	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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