

U-5

The U-5 is a unique and versatile machine bespoke for the destruction of electronic media, tapes and hard disc drives. It is available in both single phase 240v drive and 400v three phase options for in-house operation.

The U-5 Shredder is designed to be both compact and powerful, utilising a choice of either 3kW or 4kW (4 or 5.4hp) drive motors depending on power supply availability.

The machine is also available in lightweight form for installation in a suitable van and powered by an hydraulic pto driven generator. This provides opportunities for cost-effective on-site destruction of small lots. A unique split Shredding chamber with Plastic Media Tape and Hard Disc Drive sections will optimise knife life and ensure that maximum performance is achieved for the longest period.

Using the well proven slow speed, high torque shredding principal to reduce knife and drive-component wear, as well as noise and dust emissions, the U-5 can shred a variety of items, including CDs / DVDs / Video Cassettes / Media Tapes / Mobile Phones / Solid State Storage Devises and Hard Disc Discs to comply with BS EN15713 quality standards.



Key Features

- Compact design.
- Low power consumption.
- Three phase electric motor can be manufactured with a single phase if required.
- Hard Drive and tape media Shredding chambers.
- Lightweight aluminium chassis for mobile operation.
- Custom stand to suit your collection bin.
- CE Marked for safe operation.

General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	875mm	439mm	914mm	323kg
Drive Motor	875mm	330mm	295mm	118kg

Shredding Chamber Size	335mm x 345mm
Distance between shaft centre's	132mm
Size of shaft hexagon	60mm A/F
Minimum knife thickness	175mm
Maximum Knife diameter:	175mm
Standard Drive Motor Size:	4kW (5hp)

Can vary with bespoke turnkey systems.

U-5 Mobile (Split HDD & Tape Media Chamber)

HEIGHT	WIDTH	LENGTH	WEIGHT
1500mm	720mm	1250mm	505kg
875mm	439mm	964mm	280kg



Key Features

- Economical product waste recycling
- Self- cleaning, counter rotational shafts for continuous shredding
- Flexible feed and discharge arrangements available
- Automatic reversing and overload protection systems
- Basic and smart control system options
- Variety of knife and hook options to suit different products and shred size requirements

General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	660mm	520mm	840mm	400kg
Drive Motor	450mm	315mm	300mm	50kg

Shredding Chamber Size	430mm X 358mm
Distance between shaft centre's	129mm
Size of shaft hexagon	41mm A/F
Minimum knife thickness	9mm
Maximum Knife diameter:	190mm
Standard Drive Motor Size:	1 X 7.5kW (1 X 10hp)

Can vary with bespoke turnkey systems.

U-7

The U-7 is an ideal entry level machine for businesses wishing to shred for recycling, production seconds destruction or volume reduction purposes. Its compact design and efficient 7.5kW drive ensures it can be easily located in confined spaces or utilised in situations where a limited power supply is available.

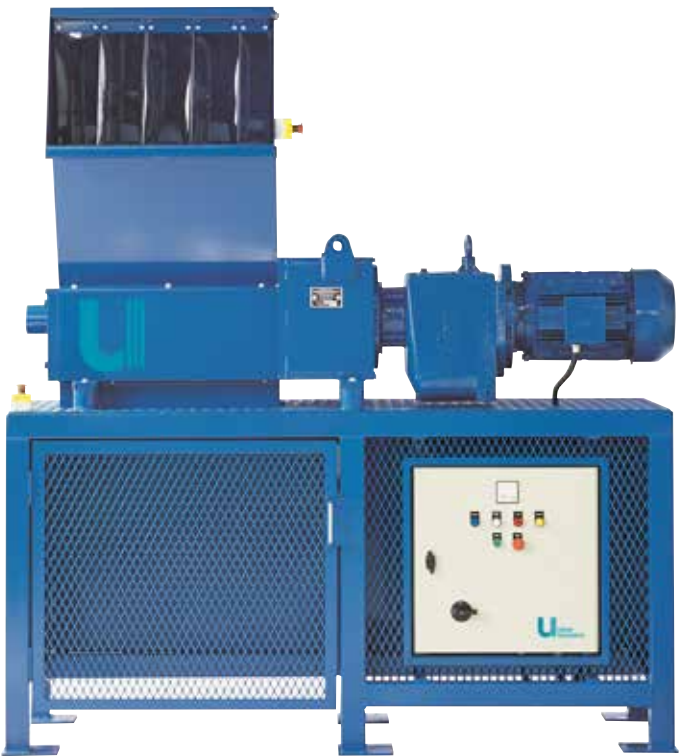
Using the slow speed, high torque shredding principal to reduce knife and drive-component wear, as well as noise and dust, it can comfortably shred a variety of items, including CDs/DVDs/ video cassettes, glass and plastic bottles, drinks containers of all kinds and light document destruction.

The U-7 can also be used in numerous specialised processes including machine tool swarf shredding, print trim and packaging waste handling systems and carpet edge trim from backing lines. Stainless steel components can be utilised to ensure the U-7 is suited to both pharmaceutical and food processing applications.

U-15

Utilising a robust 15kW high torque drive system the U-15 can handle a wide range of difficult shredding tasks. With knife sizes ranging from 6mm up to over 31mm available in numerous profile geometries, flexibility is the key to this models success.

Main applications include confidential documents and electronic media destruction, packaging handling applications as well as numerous volume reduction uses. Destruction of production process seconds will always be an important issue and the U-15 lends its self extremely well to this application. Its compact construction and powerful drive as well as endless installation configurations, this model will always be able to provide the cost effective shredding option.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	550mm	750mm	2100mm	800kg
Drive Motor	550mm	475mm	1150mm	325kg

Shredding Chamber Size	700mm X 345mm
Distance between shaft centre's	132mm
Size of shaft hexagon	60mm A/F
Minimum knife thickness	6mm
Maximum Knife diameter:	175mm
Standard Drive Motor Size:	1 X 15kW (1 X 20hp)

Can vary with bespoke turnkey systems.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	500mm	750mm	1400mm	600kg
Drive Motor	460mm	750mm	1060mm	200kg

Shredding Chamber Size	700mm X 345mm
Distance between shaft centre's	132mm
Size of shaft hexagon	60mm A/F
Minimum knife thickness	6mm
Maximum Knife diameter:	175mm
Standard Drive Motor Size:	1 X 25hp Hydraulic

U-15H is fitted with a compactor.

Can vary with bespoke turnkey systems.

U-15H

Designed specifically for mobile confidential destruction, the U-15H provides the ideal solution for dealing with highly sensitive documents.

Manufactured with a compact and efficient hydraulic drive system these machines can be installed in commercial vehicles as small as 7.5 tonnes and operated on-site without the need for risky transportation of sensitive material.

The U-15H is fitted with an hydraulically driven paper compactor ensuring maximum payload is always achieved when dealing with larger archive clear-outs.

U-15HD

Designed specifically for hard drive destruction, the U-15HD provides the ideal solution for dealing with highly sensitive media in electronic form.

The U-15HD is configured with an electronically interlocked safety enclosure housing your preferred collection receptacle for shredded electronic media ensuring trouble free handling of product for further recycling.

Again utilising all the power and flexibility of the U-15, these models will ensure the job gets properly done.

General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	500mm	750mm	1400mm	600kg
Drive Motor	460mm	750mm	970mm	200kg

Shredding Chamber Size	700mm X 345mm
Distance between shaft centre's	132mm
Size of shaft hexagon	60mm A/F
Minimum knife thickness	6mm
Maximum Knife diameter:	175mm
Standard Drive Motor Size:	1 X 15kW (1 X 20hp)

Can vary with bespoke turnkey systems.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	500mm	750mm	1400mm	600kg
Hydraulic Drive Motor	460mm	750mm	250mm	200kg

Shredding Chamber Size	700mm X 345mm
Distance between shaft centre's	132mm
Size of shaft hexagon	60mm A/F
Minimum knife thickness	6mm
Maximum Knife diameter:	175mm
Standard Drive Motor Size:	1 X 25hp Hydraulic

Can vary with bespoke turnkey systems.

U-15HHD

Engineered with a hydraulic drive motor, the U-15HHD can be seen fitted into vehicles for mobile shredding. The U-15HHD can offer high security shredding of all hard drives.

Designed with machine operators in mind, the U-15HHD can be seen with easy access for maintenance requirements and ease of use for operators.

U-15DSHD

Utilising all the power and flexibility of the U-15, this model can produce three different shred sizes from 31mm, 22mm and 15mm. Providing the ideal solution for dealing with highly sensitive media in electronic form.

Key Features of the U-15 Range

- Increased security for shredding of corporate collateral
- Easy transport of waste
- 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



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	500mm	750mm	1400mm	600kg
Hydraulic Drive Motor	460mm	750mm	250mm	200kg

Shredding Chamber Size	700mm X 345mm
Distance between shaft centre's	132mm
Size of shaft hexagon	60mm A/F
Minimum knife thickness	31mm 22mm 15mm
Maximum Knife diameter:	175mm
Standard Drive Motor Size:	2 x 25hp Hydraulic

Can vary with bespoke turnkey systems.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	500mm	1000mm	2600mm	1500kg
Drive Motor	550mm	475mm	1150mm	325kg

Shredding Chamber Size	1074mm X 524mm
Distance between shaft centre's	192mm
Size of shaft hexagon	85mm A/F
Minimum knife thickness	15.5mm
Maximum Knife diameter:	260mm
Standard Drive Motor Size:	2 X 15kW (2 X 20hp)

Can vary with bespoke turnkey systems.

U-45

Offering a wide range of options as well as Standard, Short Bed and Long Bed chassis configurations, the U-45 model can meet a huge variety of challenges... and succeed.

With a powerful 30kW high torque drive throughout the range of models, applications are numerous and varied. Efficient drive system and low maintenance costs ensure that margins are maximised in a growing industry.

Knife configuration and geometry are key factors in the effective operation of the U-45 range and with Ulster Shredders modern in-house design and manufacturing facilities, quick turnaround of bespoke machines is guaranteed.

U-45SBHD

Engineered with Hydraulic motors, the U-45SBHD is tailored to meet the demands of mobile shredding. Designed uniquely this shredder can fit in many vehicles that focus in mobile and confidential shredding.



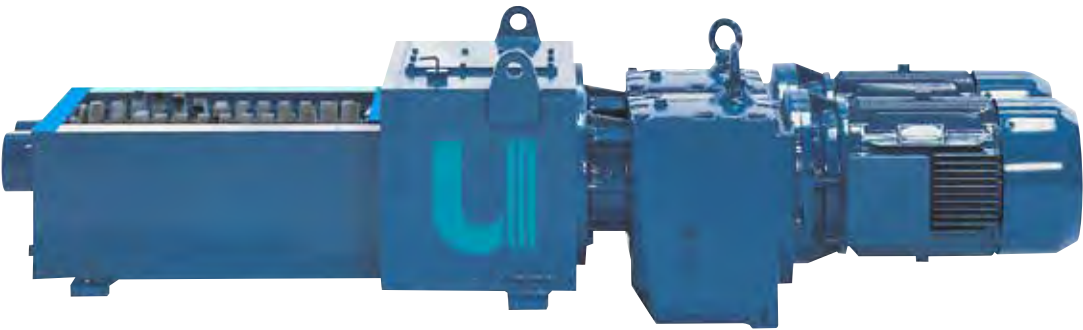
SHREDDER SOLUTIONS

General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	500mm	1000mm	1400mm	1500kg
Drive Motor	550mm	475mm	1150mm	325kg

Shredding Chamber Size	620mm X 524mm
Distance between shaft centre's	192mm
Size of shaft hexagon	85mm A/F
Minimum knife thickness	6mm
Maximum Knife diameter:	260mm
Standard Drive Motor Size:	2 X 25hp Hydraulic

Can vary with bespoke turnkey systems.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	500mm	1000mm	U-45SB: 2250mm U-45LB: 3000mm	1500kg
Drive Motor	550mm	475mm	1150mm	325kg

Shredding Chamber Size	U-45SB: 620mm X 524mm U-45LB: 1410mm X 524mm
Distance between shaft centre's	192mm
Size of shaft hexagon	85mm A/F
Minimum knife thickness	6mm
Maximum Knife diameter:	260mm
Standard Drive Motor Size:	2 X 15kW (2 X 20hp)

Can vary with bespoke turnkey systems.



**Chamber closing plates added to the long bed range for added protection*

U-45SB U-45LB

Offering a wide range of options as well as Standard, Short Bed and Long Bed Chassis configurations, the U-45 model can meet a huge variety of challenges and succeed.

The powerful Short Bed provides an efficient and effective solution to confidential document and media destruction problems. Provided with conveyor feed and discharge options, the SB has become a favourite among businesses providing an off-site Shredding and Baling service.

Long Bed machines ensure that bulky items are handled efficiently and opportunities for volume reduction are successfully managed.

Key Features of the U-45 Range

- 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

U-75

Complete with an enclosed support stand, infeed hopper and an electrical control panel. The U-75 is powered via a 55kW electric drive motors, and is designed to shred a variety of waste products for the purposes of recycling, or purely for volume reduction.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	780mm	1425mm	3800mm	7000kg
Drive Motor	800mm	700mm	1370mm	775kg

Shredding Chamber Size	1580mm X 812mm
Distance between shaft centre's	305mm
Size of shaft hexagon	127mm A/F
Minimum knife thickness	47mm
Maximum Knife diameter:	420mm
Standard Drive Motor Size:	1 X 55kW (75hp)

Can vary with bespoke turnkey systems.

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U-75LB

General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	780mm	1425mm	U-75SB: 3260mm U-75LB: 4140mm	7000kg
Drive Motor	800mm	700mm	1370mm	775kg

Shredding Chamber Size	U-75SB: 1000mm X 812mm U-75LB: 1600mm X 812mm
Distance between shaft centre's	305mm
Size of shaft hexagon	127mm A/F
Minimum knife thickness	47mm
Maximum Knife diameter:	420mm
Standard Drive Motor Size:	1 X 55kW (75hp)

Can vary with bespoke turnkey systems.



*Chamber closing plates added to the long bed range for added protection

U-75SB U-75LB

This slow speed, twin shaft shredder has been efficiently designed as machine operator friendly and engineered to shred a variety of challenging material.

Designed with machine operators in mind, the U-75 range can be seen with easy access for maintenance requirements and ease of use for operators.

Key Features of the U-75 Range

- Up to 75% volume reduction
- Self-cleaning, counter rotational shafts for continuous shredding
- Basic and smart control system options

U-100

Each with a chamber width of over 800mm the Standard and Short Bed machines have chamber length options of 1500mm or 1000mm. With standardisation and interchangeability of parts a key factor in the constant availability of spares all machines in this range utilise common knife, gearbox and drive components. Ulster Shredders extensive stores facility ensures same day despatch for all key components.



SHREDDER SOLUTIONS

General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	635mm	1425mm	3800mm	7500kg
Drive Motor	800mm	625mm	1300mm	750kg

Shredding Chamber Size	1580mm X 812mm
Distance between shaft centre's	305mm
Size of shaft hexagon	127mm A/F
Minimum knife thickness	12mm
Maximum Knife diameter:	420mm
Standard Drive Motor Size:	2 X 37.5kW (2 X 50hp)

Can vary with bespoke turnkey systems.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	635mm	1425mm	U-100SB: 3260mm U-100LB: 4140mm	7500kg
Drive Motor	800mm	625mm	U-100SB: 1300mm U-100LB: 1300mm	750kg

Shredding Chamber Size	U-100SB: 1000mm X 812mm U-100LB: 1600mm X 812mm
Distance between shaft centre's	305mm
Size of shaft hexagon	127mm A/F
Minimum knife thickness	12mm
Maximum Knife diameter:	420mm
Standard Drive Motor Size:	2 X 37.5kW (2 X 50hp)

Can vary with bespoke turnkey systems.



**Chamber closing plates added to the long bed range for added protection*

U-100SB U-100LB

With heavy duty geared motor drive units utilised to drive these machines, power ranges from 75kW up to 110kW and variations in speed ratio and torque depending on application. A number of control options are available in order to best fit customers' in-house facilities. Electronic Soft-Start as well as VSD options are common and control systems are easily customised to incorporate handling conveyors and other down-stream plant and equipment.

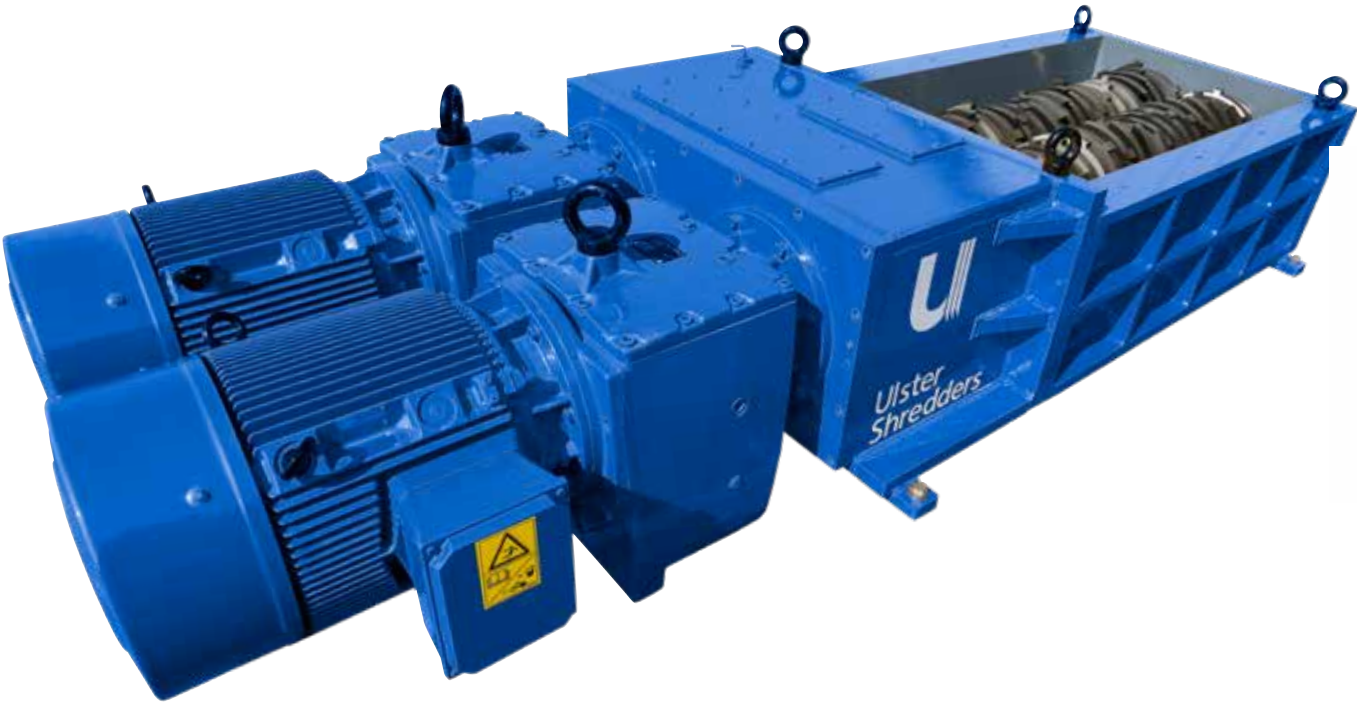
Key Features of the U-100 Range

- 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

U-150

In this series of models a range of knife widths is available from 15.5mm up to 47mm and profile geometry is designed and generated with the end use in mind.

Lending its self to large volume shredding applications, the range of products is diverse. Confidential documents, clinical waste, passenger tyres, rigid plastics, electrical goods packaging waste and pallets are all common applications for these models not to mention a large number of unique bespoke applications also.



General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	780mm	1425mm	3800mm	8000kg
Drive Motor	800mm	700mm	1370mm	775kg

Shredding Chamber Size	1580mm X 812mm
Distance between shaft centre's	305mm
Size of shaft hexagon	127mm A/F
Minimum knife thickness	12mm
Maximum Knife diameter:	420mm
Standard Drive Motor Size:	2 X 55kW (2 X 75hp)

Can vary with bespoke turnkey systems.

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General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	780mm	1425mm	3260mm	7000kg
Drive Motor	800mm	700mm	1370mm	775kg

Shredding Chamber Size	U-150SB: 1000mm X 812mm
Distance between shaft centre's	305mm
Size of shaft hexagon	127mm A/F
Minimum knife thickness	12mm
Maximum Knife diameter:	420mm
Standard Drive Motor Size:	2 X 55kW (2 X 75hp)

Can vary with bespoke turnkey systems.

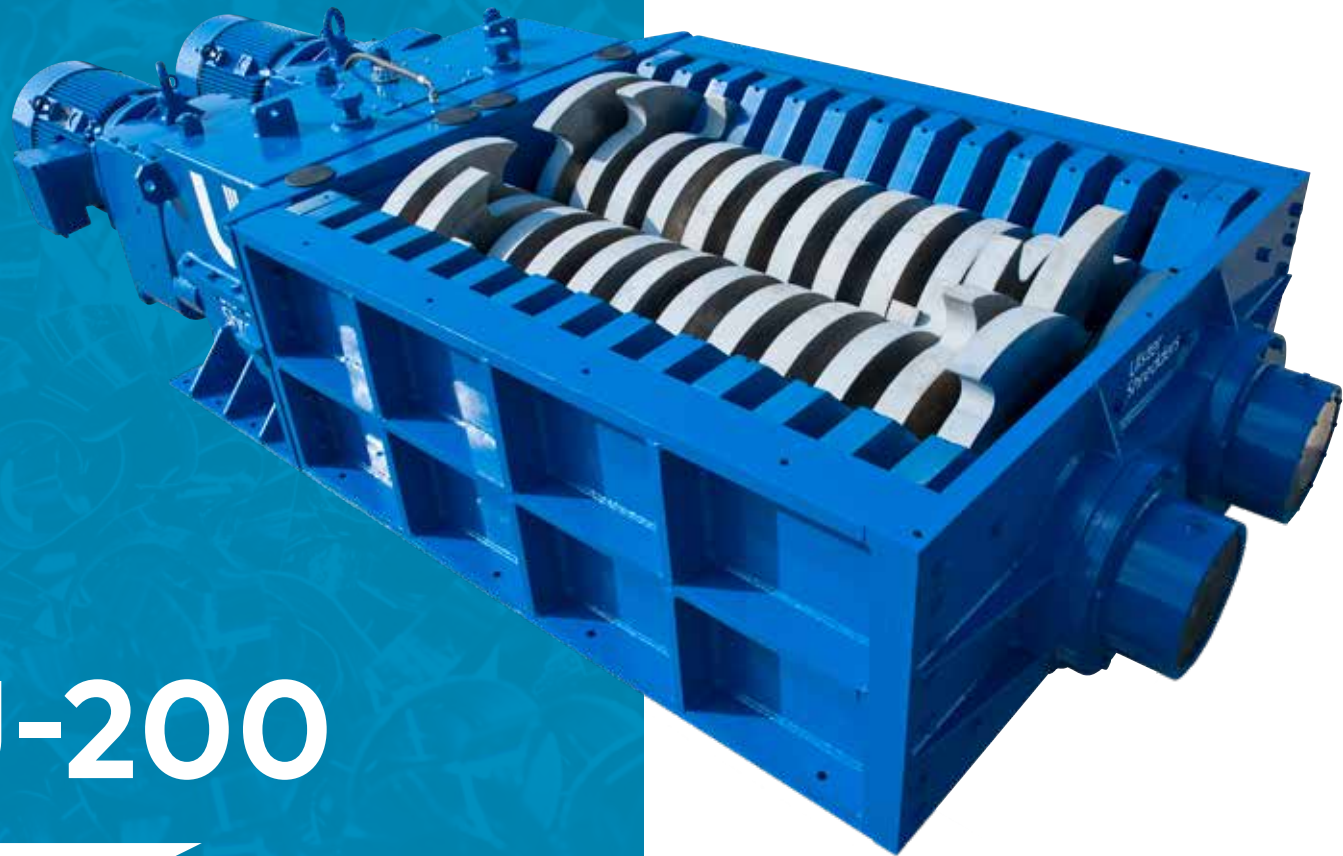
U-150SB

In this series of models a range of knife widths is available from 15.5mm up to 47mm and profile geometry is designed and generated with the end use in mind.

Lending its self to large volume shredding applications, the range of products is diverse. Confidential documents, clinical waste, passenger tyres, rigid plastics, electrical goods packaging waste and pallets are all common applications for these models not to mention a large number of unique bespoke applications also.

Key Features of the U-150 Range

- 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



U-200

The largest and most recent addition to the Ulster Shredder range, the U-200 features a 2000mm long shredding chamber and electric or hydraulic drive of up to 300Hp. Targeted mainly at general waste material recycling facilities, the U-200 can process large volumes of waste prior to sorting and recovery. With a maximum knife width of 75mm this model is an ideal pre-shredder enabling sorting and further processing of a vast range of products.

Other applications include shredding of truck tyres, construction timber and steel drums.

General Specification

	HEIGHT	WIDTH	LENGTH	WEIGHT
Shredder	1357mm	1840mm	4647mm	22000kg
Drive Motor	900mm	800mm	1470mm	1000kg
Shredding Chamber Size				1975mm X 1535mm
Distance between shaft centre's				600mm
Size of shaft hexagon				200mm A/F
Minimum knife thickness				35mm
Maximum Knife diameter:				880mm
Standard Drive Motor Size:				2 X 90kW (2 X 125hp)
Can vary with bespoke turnkey systems.				

SHREDDER SOLUTIONS

Key Features

- Compact design
- Bulk feeding ability
- High volume reduction
- Electric or hydraulic drive
- Extra high torque drive gearbox
- Pre-shredding application
- Automatic reverse and overload protection system
- Pre-sorting conditioning application
- Reverse-hook knife geometry

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General Specification

Throughput	Up to 3000kg	Model	HSDS
Chassis Weight	18 Tonne	Auger compactor	Yes
Length	10m	Automated infeed	Yes
Width	2.5m	Bin Tipper	Yes
Height	3.8m	Control Panel	Yes
Drive	Hydraulic	PTO	Yes
No. Motors	2	Walking floor unload	Yes
Horsepower	75Hp (55kw) per motor	Shred & storage Cams	Yes
Knife Thickness	12mm	Product Destruction	Yes
Hex Size	85mm		
Shaft Distance	192mm		
Chamber (LxW)	600 mm x 525 mm		

HSDS

Ulster Shredders manufacture a versatile range of mobile shredding trucks for high speed paper and document disposal. Chassis' can be specified from 7.5 to 18 tonne with various payload, throughput and walking floor unloading systems available.

Our high-performance mobile shredding trucks are ideal for convenient disposal of confidential business, medical, financial and legal records, providing complete piece of mind that documents will not fall into the wrong hands.

Our mobile shredding vehicles feature a low maintenance design, with enhanced manoeuvrability for inner city locations and a wide range of chassis options tailored to your requirement, providing an economical operation to support your business. Safety is a paramount feature of all our vehicles.

Key Features

- High speed up to 3 tonne p/hr
- Flexible loading (manual, conveyor, bin-lifter etc.)
- Self-cleaning, counter rotational shafts for continuous shredding
- Compact design ensures maximum payload
- Moving floor provides rapid discharge of material
- All material is weighed, enabling an accurate recycling record
- Low maintenance design

HSDS+

Our mobile shredding vehicles feature a low maintenance design, with enhanced manoeuvrability for inner city locations and a wide range of chassis options tailored to your requirement, providing an economical operation to support your business. Safety is a paramount feature of all our vehicles.

Key Features

- Self-cleaning, counter rotational shafts for continuous shredding.
- All material is weighed, enabling an accurate recycling record
- Low maintenance design
- Flexible loading (manual, conveyor, bin-lifter etc.)
- Moving floor provides rapid discharge of material



SHREDDER SOLUTIONS

General Specification

Throughput	Up to 500kg / hour for the high security shred	Model	HSDS+
	Up to 3000kg / hour for the high through-out shred	Auger compactor	Yes
Chassis Weight	18 Tonne	Automated infeed	Yes
	Length 10m	Bin Tipper	Yes
Width	2.5m	Control Panel	Yes
Height	3.8m	PTO	Yes
Drive	Hydraulic	Walking floor unload	Yes
No. Motors	4	Shred & storage Cams	Yes
Horsepower	80 hp (60kW)	Product Destruction	Yes
Knife Thickness	9.3mm		
Hex Size	85mm		
Shaft Distance	170mm		
Chamber (LxW)	659mm x 390		



BESPOKE MACHINES

Often the success of a shredder depends not only on the horsepower which drives it, but also on how the product to be shredded is fed and discharged from it. Ulster Shredders designs and supplies stand-alone machines as well as complete turnkey recycling systems, tailored to the customer's specific needs.

Ulster Shredders Design and R&D Department have repeatedly implemented cost effective solutions to satisfy customers' unique requirements.



**We value our
customers
business & provide
cost effective
solutions to meet
our customer needs.**

APPLICATION

Here at Ulster Shredders, we value our customers businesses and provide cost effective solutions to our customer's needs. No matter how unique or challenging the application is, we provide solutions!

To meet the demand of each customers' unique requirements, we need to know:

- Desire Shred Size
- Feeding Method
- Desire Output



MATERIALS HANDLING EQUIPMENT

Ulster Shredders designs and manufactures bespoke materials handling equipment for our range of industrial Shredders.

Handling equipment includes a series of inclined conveyors for feed and discharge of product to and from our Shredders.

Conveyors are of robust construction with a variety of belt designs to best suit the product being handled. Both fixed and variable speed control is available.

Hydraulic Bin loading devices for tipping wheelie bins into Shredder Feed Hoppers designed to suit your bin dimensions. Bin weigh Scales can be incorporated into the tipping device.

Feed Hopper Presses can also be supplied with electro-hydraulic power-packs or pneumatic cylinder activation. Presses can be set to auto-cycle, push-button or sensor operated.

All handling equipment is fully designed and manufactured at our modern factory. Please contact us to discuss your exact requirements.

