



Innovation at Work

EDGE SLAYER SERIES



designengineeringinnovation



ROBUST, DURABLE & VERSATILE...



PRODUCT

HIGHLIGHTS



KEY HIGHLIGHTS

LOWEST MAINTENANCE COST SHREDDER ON THE MARKET

FUEL CONSUMPTION 25-30 LTR/HR LITRES (7-8 USG) PER HOUR

Available in Mobile, Track, Static & Hooklift chassis formats

HMI Control Panel provides easy fine tuning for accurate application performance.

New screen system now available, material is shredded to the required particle size in just one pass

Tramp metal cycles and intelligent load sensing ensures against asset damage and downtime.

Lowest maintenance cost machine on the market

Massive application flexibility due to the vast number of chamber configurations available

The Edge Slayer can be customised to provide the right tonnage at the desired piece size



The range of EDGE Slayers are probably the most flexible and functional slow speed shredders on the market today. Designed with strength, durability and serviceability in mind, the Slayer Series can handle almost any material in any application. With a huge range of both Rapid Volume Reduction and Intricate Piece Sizing Chambers available, EDGE Slayers can be seen anywhere from the Waste Management Company to the Power Plant.

Helping customers reduce, recover, reuse and recycle a wide range of materials from household waste to construction and demolition waste. It has proved a valuable tool in the recovery process in the wake of several natural disasters. The Edge Slayers' small footprint allows for high manoeuvrability in tight spaces and across rough terrain. Its 350hp engine quietly and quickly destroys any material in its way. The PLC controlled system with its' unique safety features such as tramp metal detection results in the customer avoiding downtime and huge repair costs.

Other design features and benefits include, reduced dust generation, user friendly controls in multiple languages, low loading tipping hopper and of course an infinite number of Shredding Chambers to best suit your application.

APPLICATIONS



Slayer Processing C&D Waste - Australia

UNPARALLELED VERSATILITY

THE EDGE Slayer Series is probably the most versatile waste shredder on the market today. The Edge Slayer can be employed as either a primary or secondary shredder due to its highly robust design and superior resistance to difficult to shred material.

Indeed, the Slayer can be supplied with up to 12 different shaft configurations, making the machine suitable for a huge range of applications. This combined with impressive features such as tramp metal cycles and intelligent load sensing insures against asset damage and downtime.



Intricate piece sizing - England



Slayer processing green waste - USA



APPLICATIONS

- Transfer Station pre-shredding
- High capacity volume reduction
- Wood processing
- Grinder pre-shredding
- Intricate Piece Sizing (Basket System)
- Construction & demolition waste
- Domestic & household waste
- Green waste
- White household goods
- All plastics (including wind turbines)



Slayer XL processing greenhouse waste- Portugal



Processing domestic waste - Ireland



Processing C&D Waste - Holland



Processing waste wood - USA



Primary shredding - Canada



Hazardous Waste - Switzerland



Processing rubber tyres - Scotland

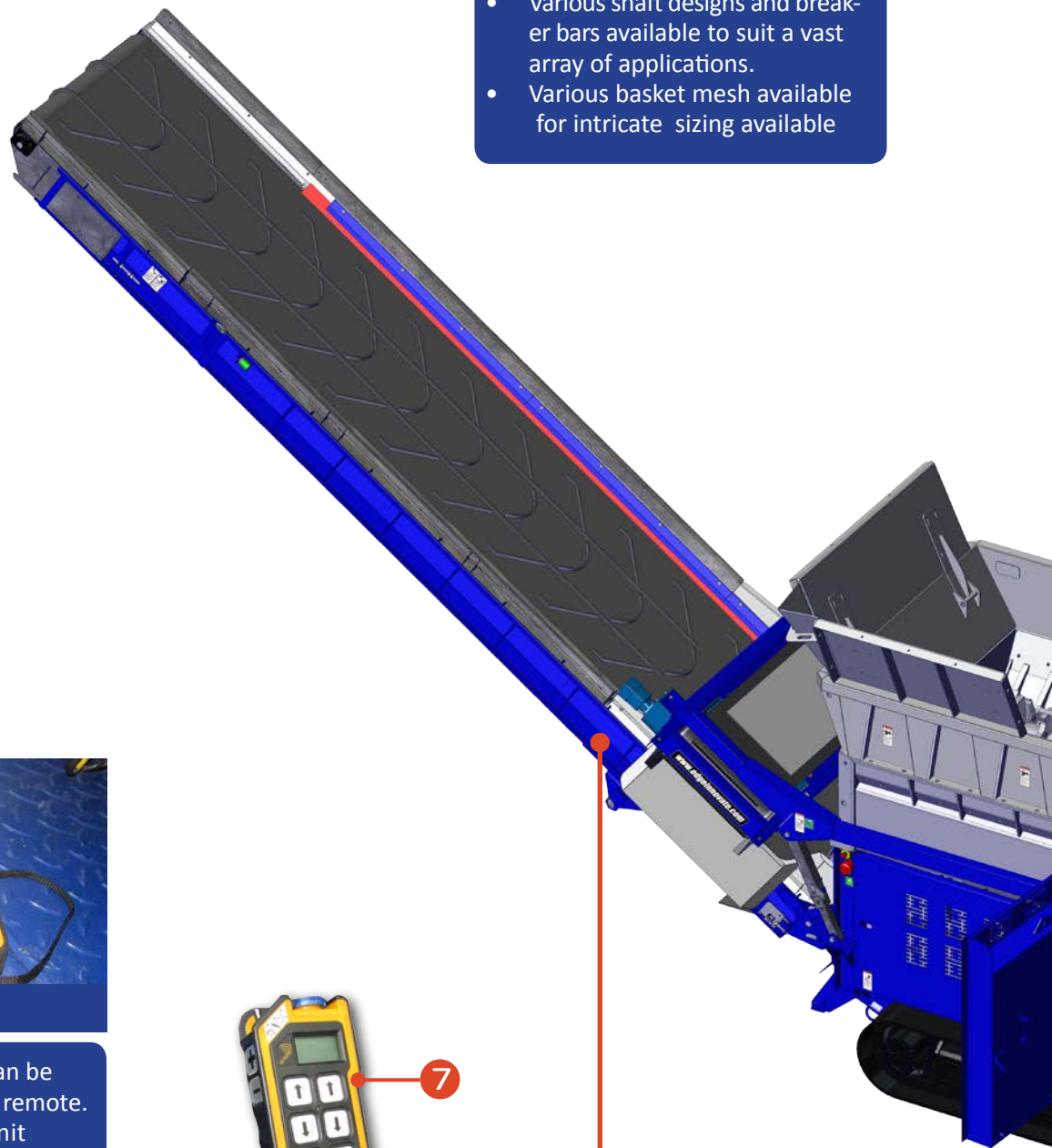
DESIGN FEATURES

EDGE Innovate have worked tirelessly to ensure our products are of the highest quality we only ever use parts and products that have been developed, tested and proven to provide optimal performance and reduce operating and maintenance costs. Every part is vital for uptime and performance.

1

SHREDDER CHAMBER

- The Edge Slayer chamber houses two, slow speed, high torque shredder shafts
- Produces 80,000Nm per shaft.
- Various shaft designs and breaker bars available to suit a vast array of applications.
- Various basket mesh available for intricate sizing available



7

REMOTE

- A number of features can be controlled via the radio remote.
- Including; start/stop unit functioning, increase/decrease engine & shaft speed, tracking, shaft reverse, auto-cycle on/off and activate hopper.



6

2

HOPPER

- Feed-in height of 3.1m (10'5")
- Robust design hopper with remote tipping functionality.
- Standard Slayer hopper capacity of 3m³ (3.9 yds³) with the Slayer XL hopper capacity increasing to 3.5m³ (4.6 yds³).
- Option of hopper extension available.

3

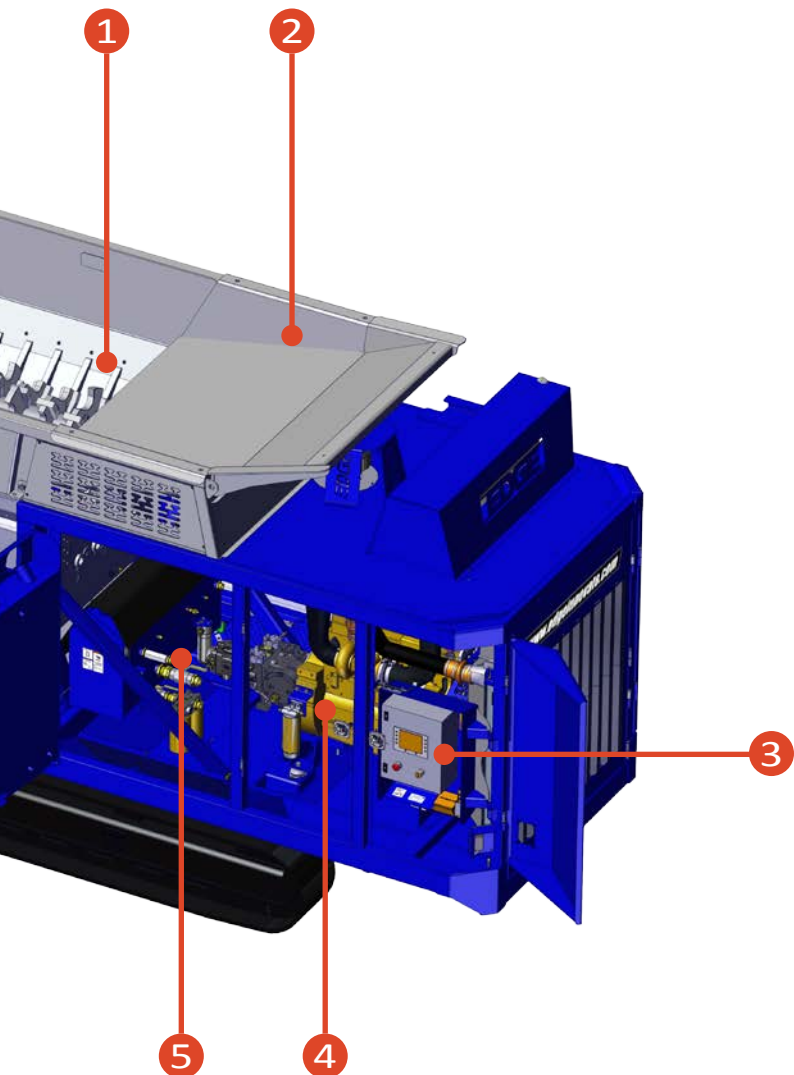
HMI CONTROL PANEL

- The Interface provides easy fine tuning for accurate application performance.
- Displays Engine load, pressures, hydraulic oil temp & fuel consumption while machine is still operating.
- All engine info & diagnostic faults are accessed through the panel

4

ENGINE

- Diesel/Hydraulic or Electric power sources available.
- Standard unit comprises a Cat C9 350HP engine.
- Reduced noise pollution with residential silencer
- Cleaner air with dust scavenging unit as standard
- Eco-Power saving functionality
- Designed with serviceability in mind with greater access for maintenance



5

HYDRAULIC SYSTEM

- Shafts powered via a closed loop Danfoss hydraulic system with continuous pressure monitoring to prevent asset damage and extended downtime.
- Non-load sensing system decreases running cost with automatic shutdown as standard.

6

DISCHARGE CONVEYOR

- 1400mm (55") wide, 7.7m long (25'3")
- Slayer XL conveyor increases to 9.7m (31'10")
- Belt speed varies depending on application.



TWO IS BETTER THAN ONE!



The EDGE Slayer Series design is founded on the “two shafts are better than one principle”.

The twin shaft design effectively pulls waste material into the shredding target area. The intelligent hydraulic control system continuously monitors shaft pressure. Once pressure reaches the designated limit, the Slayer shafts automatically reverse preventing asset damage.

THE BENEFITS OF HAVING TWO

- Exceptional intake behaviour
- Depending on the application, less wear and longer life expectancy
- Automatic reverse function to protect against asset damage
- Self-cleaning
- The traditional wrapping of wires, plastic and long-fibers is avoided

Your pre-shredder and secondary shredder all in one!

The **EDGE Basket** enables material to be shredded to the required particle size in just one pass. The baskets come in various apertures from 50mm to 250mm depending on the customer requirements and can be quickly removed or exchanged for a different aperture screen.

The Edge Slayer can be employed as either a primary or secondary shredder due to its highly robust design and superior resistance to difficult to shred material. With a high percentage of material processed by primary shredders not being resized to the desired piece size, the new Slayer Basket system guarantees the operator the desired size in just one pass, thus cutting down on production times and operating costs.

This new shredding chamber configuration comes with bolt on tools with two cutting edges, (doubling tooth life) heavy duty pipe unit shafts and optional tooth breaker bar. The new cutting edges on the bolt on tools enable the Slayer Basket System to both cut and shred. These characteristics allow the Slayer to process difficult to handle materials such as carpets, tires and mattresses at a high throughput capacity but whilst at low engine output.

With the recycling industry ever changing and adapting to new regulations and stringent requirements placed on MRFs, adaptability is key. Whether it is processing C&D or domestic household waste the Edge Slayer offers that all-round capability. The Edge Slayer can be customised to provide the right tonnage at the desired piece size. If pre-shredding is required, simply remove the basket mesh. Ultimately the Edge Slayer is your pre-shredder and secondary shredder all in one.



Easy removable solid bolt on teeth can be used multiple times. Additional wear resisting options to increase longevity are available. All of which are designed to reduce downtime and maintenance costs.



FORMATS



TRACK DRIVEN
DIESEL/ HYDRAULIC

SLAYER X
SLAYER XL



HOOKLIFT
DIESEL/ HYDRAULIC
DIRECT ELECTRIC

SLAYER X
SLAYER XL



STATIC
DIESEL/ HYDRAULIC
DIRECT ELECTRIC

SLAYER X
SLAYER XL
SHEAR SLAYER

ADDITIONAL OPTIONS

Slayer - Track (Std.)



Fully tracked for on-site manoeuvrability

Slayer - Static



Option of hydraulic or direct electric. Suitable for indoor and outdoor applications

Slayer - Hooklift



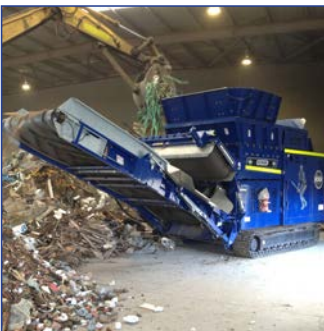
Hooklift option is the perfect match for MRF's who currently have hooklift lorries in their fleet

Diesel / Hydraulic



Cat C9 350HP Tier 3 & Tier 4B Interim engines available

Slayer X



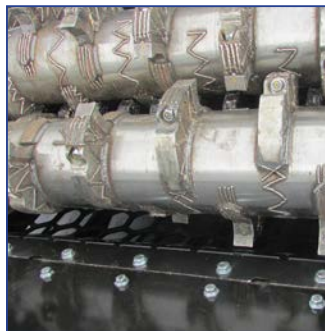
Shredding area of 1.5m X 1.9m (5'X6'3") and conveyor length of 4.3m (14'1")

Slayer XL



Increased shredding area of 1.96m X 2m (6'5"X6'6") and conveyor length of 9.7m (31'10")

Basket Chamber



Guarantees desired piece size in one pass. With bolt on teeth and mesh aperture from 50-250mm

Chamber Configurations



Up to 12 different shaft configurations, making the Slayer suitable for a huge range of applications.

Overband Magnet



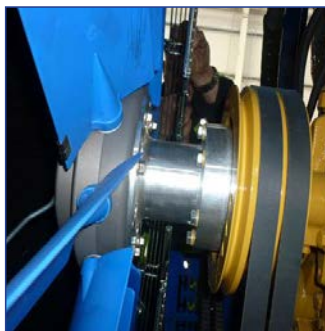
Option of static or hydraulic angle adjustable Overband magnet

Hopper Extensions



Increases hopper capacity and reduces spillage

Reversible Fan



Reversible fan is recommended for dusty applications such as waste wood etc.

Central Auto-Lube System



The auto-lube system provides reliable protection against friction and wear



TECHNICAL SPECIFICATIONS

Machine	Feed-In Height	Shredding Target Area	Maximum Torque	Conveyor Belt Width	Conveyor Discharge Height	Conveyor Stockpile Volume
SLAYER X	3.1m (10'5")	1.5m X 1.9m (5'X6'3")	80,000Nm	1400mm (55")	4.3m (14'1")	70m ³ (96 yds ³)
SLAYER XL	3.1m (10'5")	1.96m X 2m (6'5"X6'6")	80,000Nm	1400mm (55")	5.1m (16'9")	130m ³ (170 yds ³)

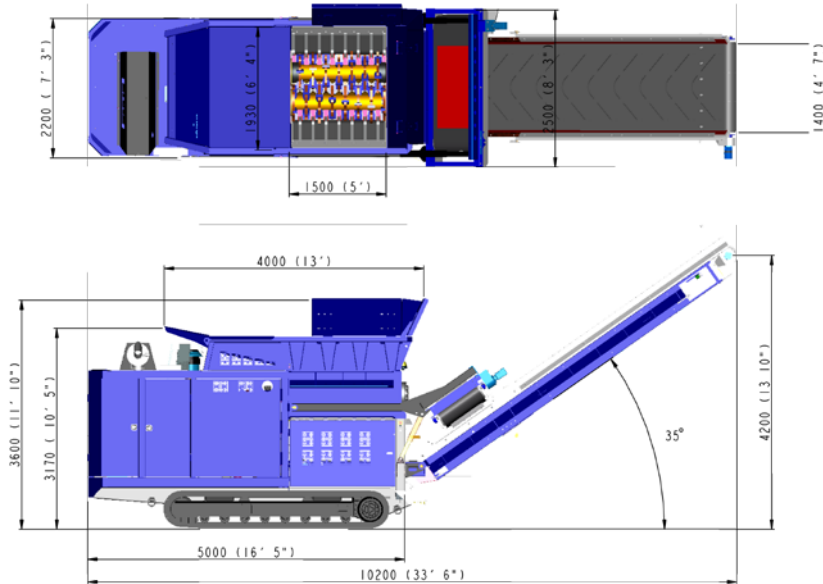
TRANSPORT DIMENSIONS

Machine	*Weight	Height	Length	Width
SLAYER X	20 Tonnes (22.4UST)	3.2m (10'6")	10.2m (33'6")	2.5m (7'5")
SLAYER XL	22 Tonnes (24UST)	3.2m (10'6")	13m (43')	2.5m (7'5")

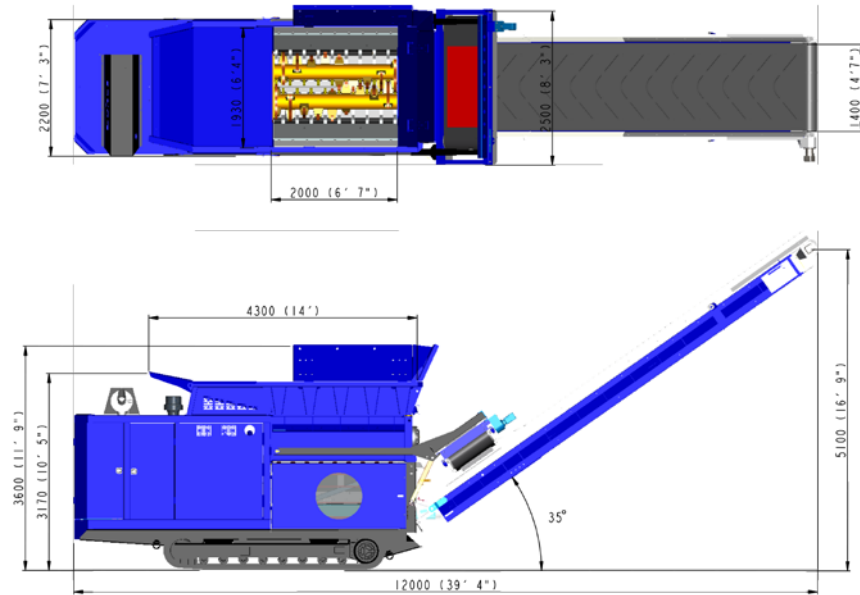
OPERATING DIMENSIONS

Machine	Height	Length	Width
SLAYER X	3.6m (11'10")	10.2m (33'6")	2.5m (7'5")
SLAYER XL	5.1m (16'10")	12m (39'4")	2.5m (7'5")

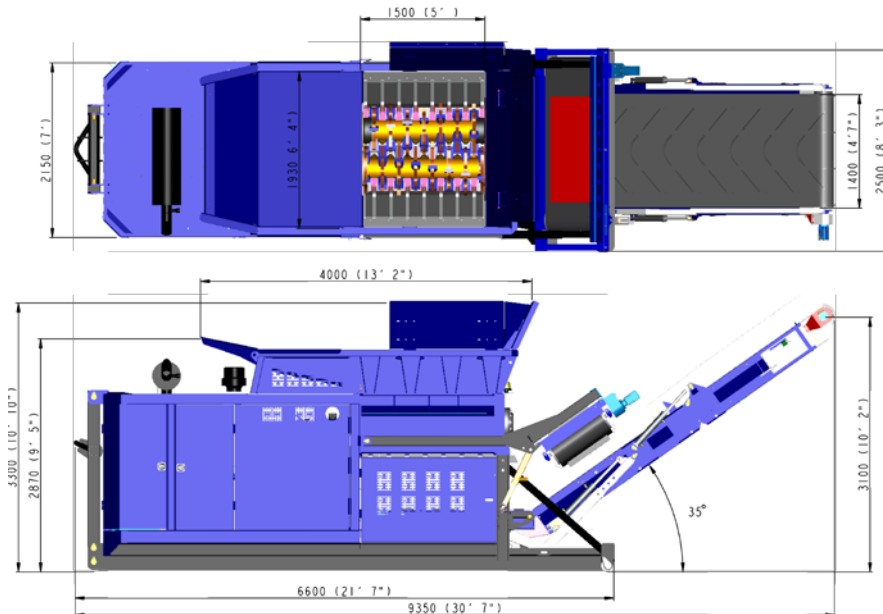
SLAYER X OPERATIONAL DIMENSIONS



SLAYER XL OPERATIONAL DIMENSIONS



SLAYER HOOKLIFT OPERATIONAL DIMENSIONS



WE ARE HERE WHEN IT MATTERS MOST



PRODUCT AND TECHNICAL SUPPORT

With our ethos of "Innovation at Work" EDGE not only persist in pushing the boundaries of design and manufacturing to produce hard working, quality machinery, we also bring that same ethos to our aftersales service in order to bring real benefits to customers right across the world. At EDGE we like to see the sales transaction as the start of a long-term partnership. Our goal is to offer the best customer support in the market for the lifetime of the unit. Edge has reinvested and expanded our aftersales department in order to streamline and provide the customer support we believe our customers deserve.



Top Availability

Our Aftersales Support Team are readily available for all your customer needs. We are just a call away, all day, every day.



Top Speed

Express service parts available as none of our customers expect a long wait for replacement parts.



Top Priority

The market rightly demands quick up-time. To make sure of this, we work tirelessly with our international couriers.



Top Satisfaction

We track every despatch, keeping you informed all the way to ensure you are totally satisfied.

Welcome to our Comfort Zone...



Innovation at Work



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AND WEAR
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SLAYER SERIES

TWIN SHAFT - SLOW SPEED - WASTE SHREDDER

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