



Data Sheet Brochure

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ISO 9001 Registered Company

Welcome to Elite Plant...



The Conveyor Shop Proudly Presents — The Elite Plant Range

Innovation. Power. Performance.

The Conveyor Shop's Elite Plant Range represents the next generation of material handling solutions — designed, engineered, and built in the UK to deliver unmatched reliability and efficiency.

From conveyors and trommels to screeners, eddy current separators, and bespoke systems, every machine in the Elite lineup is crafted with precision, using premium materials and cutting-edge technology.

Built for those who demand more...more productivity, more durability, and more innovation the Elite range combines smart design with rugged construction to tackle even the toughest environments.

Whether you're moving aggregates, recycling materials or streamlining site operations, the Elite Plant Range sets the new standard in quality, performance, and versatility.



Elite by name. Elite by nature.



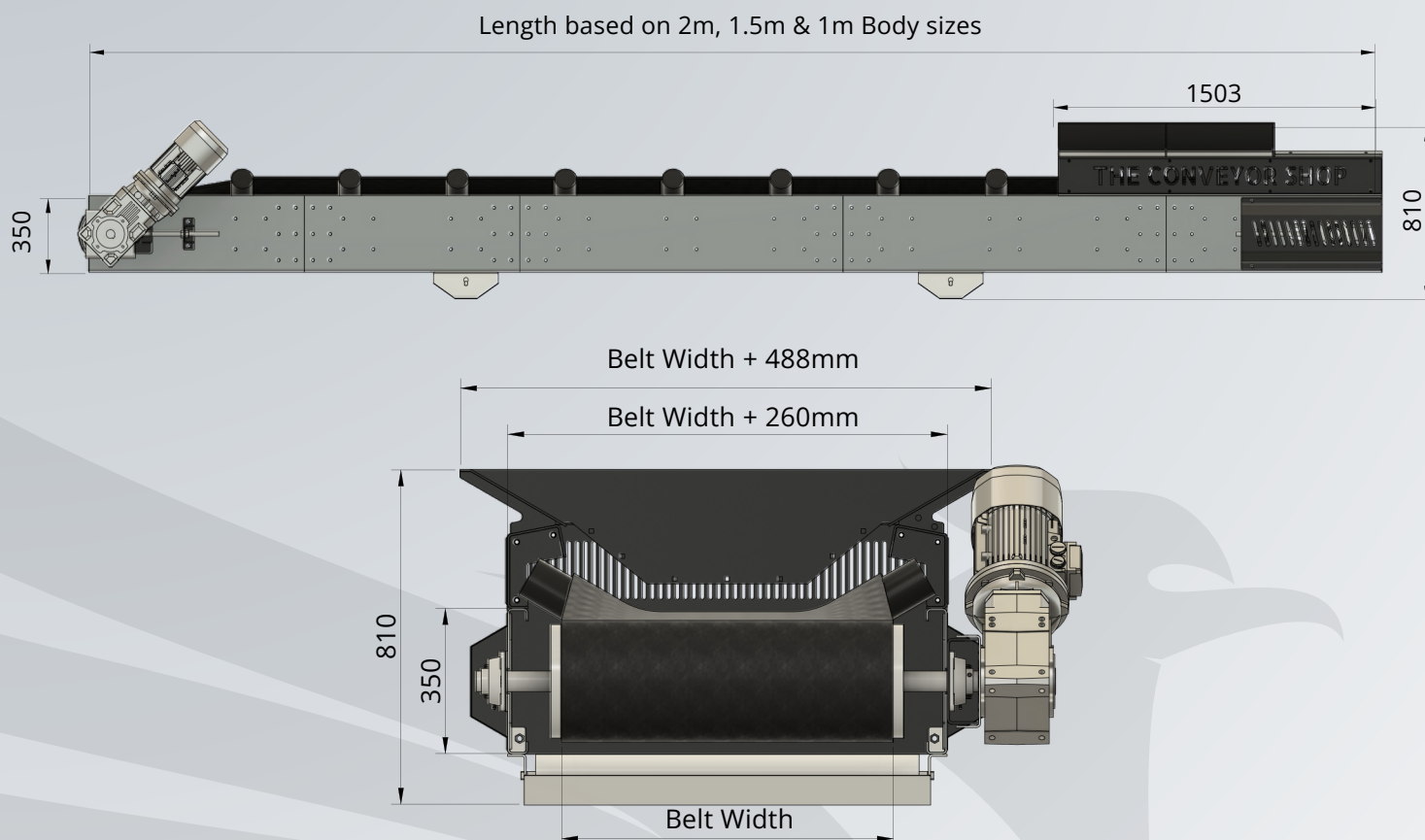
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Elite Universal

A robust, troughed conveyor ideal for handling aggregates and bulk materials. Designed for reliability and efficiency in demanding environments.



Key Features

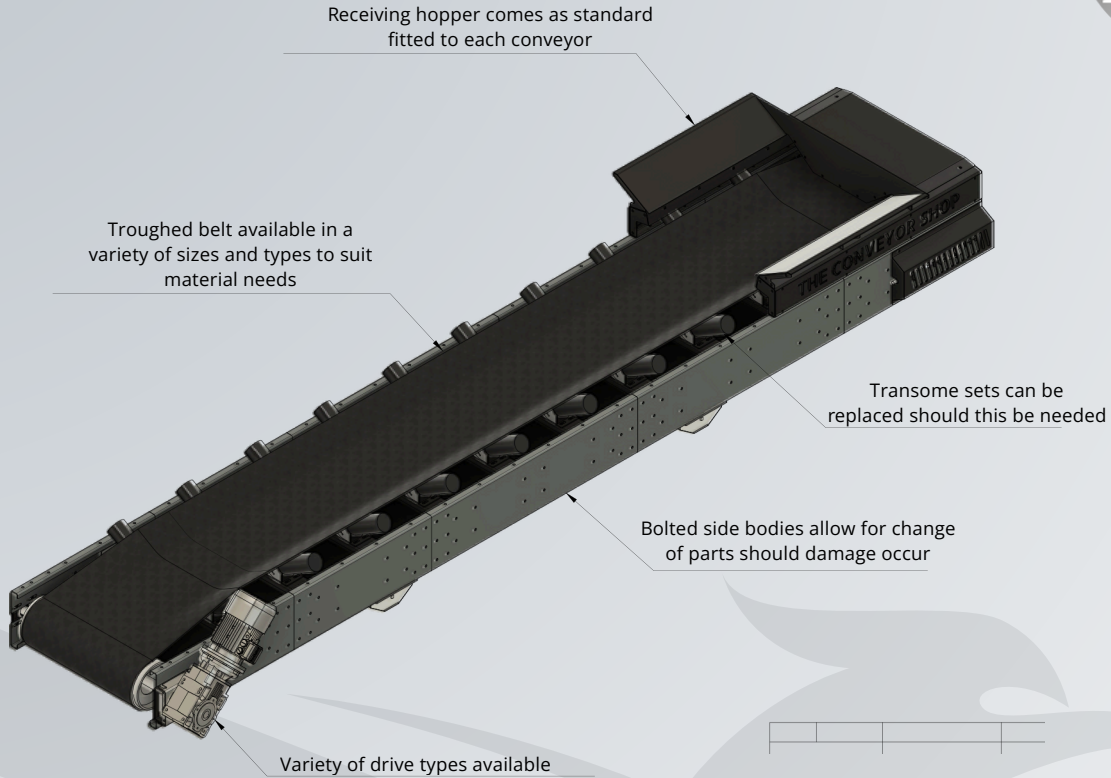
- Heavy duty transome sets to suit material flow (these are produced to suit belt width required)
- Supplied with a troughed belt to suit guiding material to the middle of the belt
- Easy access to side rollers for removal
- Receiving hopper fitted as stranded
- Power output can be discussed at quoting stage to suit customer requirements
- Bearing guards with internal adjustment to suit tensioning the belt
- A variety of belt types and widths are available
- Modular design allows for bodies to be replaced should this be needed

Options Extras

- We stock a variety of belt cleaners should they be required
- Heavy duty legs to suit incline should this be required
- Custom framework should the conveyor require this

PLEASE GET IN TOUCH SHOULD YOU HAVE ANY SPECIFIC REQUIREMENTS AND WE WILL ENDEAVOR TO MATCH YOUR NEEDS

Elite Universal



Technical Data

- Max tonnes per hour- the correct gearbox and belt width can be selected at quoting stage to suit this power - selected at quote stage based on requirements
- Max incline - based on belt type selected
- Belt options - various widths, chevron, cleated, flat belt and side walling
- Transome set angle range - 23°-60°
- Conveyor max length - 60m (can go up to 200m with extra support)

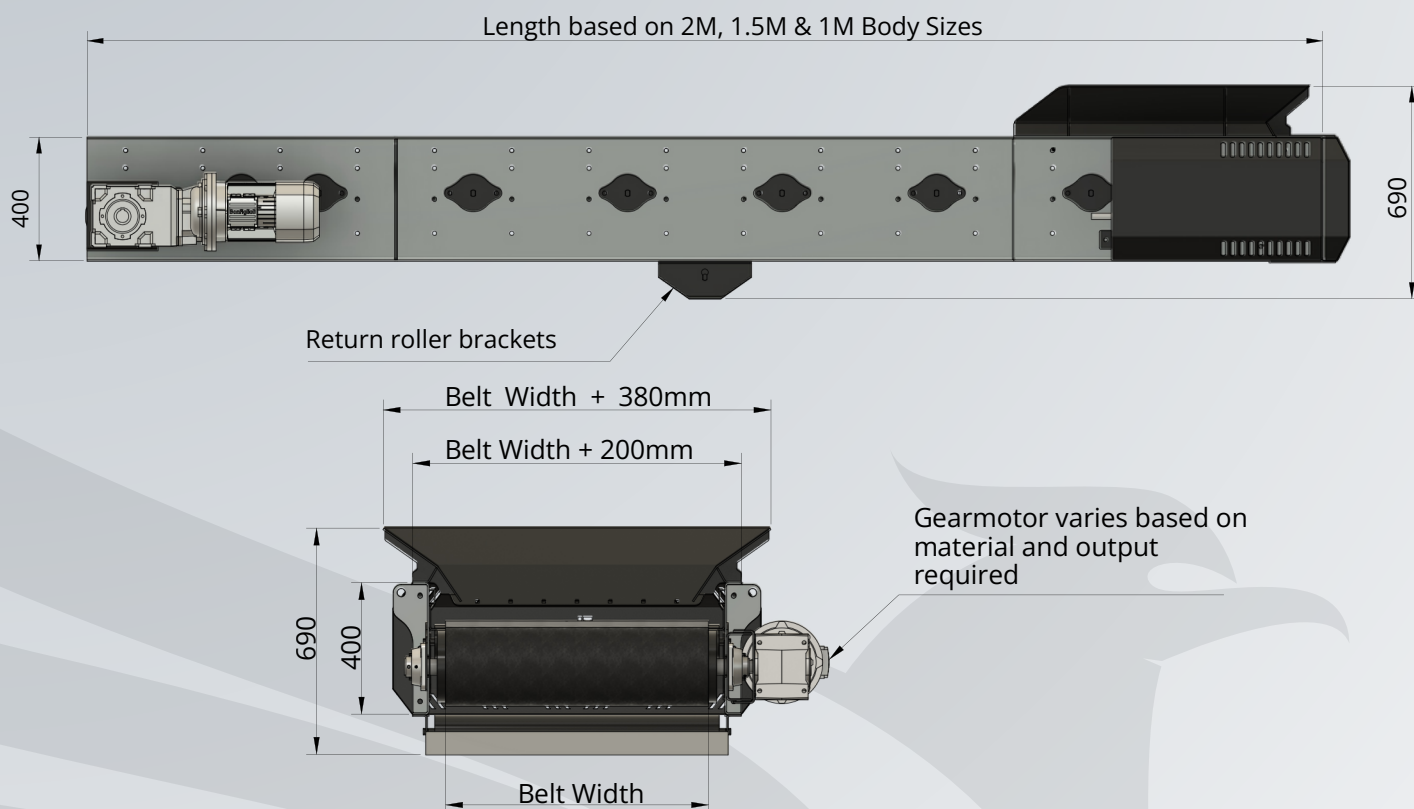
Belt Guide				
Belt Width	Chevron	Cleated	Flat	Side Walling
600	x		x	
800	x		x	
1000	x		x	
1200	x		x	
1500	x		x	

Power Options
Electric
Hydraulic
Engine Powered
Stock Piler
Radial Stockpiler



Elite RCL

A lightweight, efficient conveyor built for the recycling industry. Perfect for moving lighter materials with easy and consistency.



Key Features

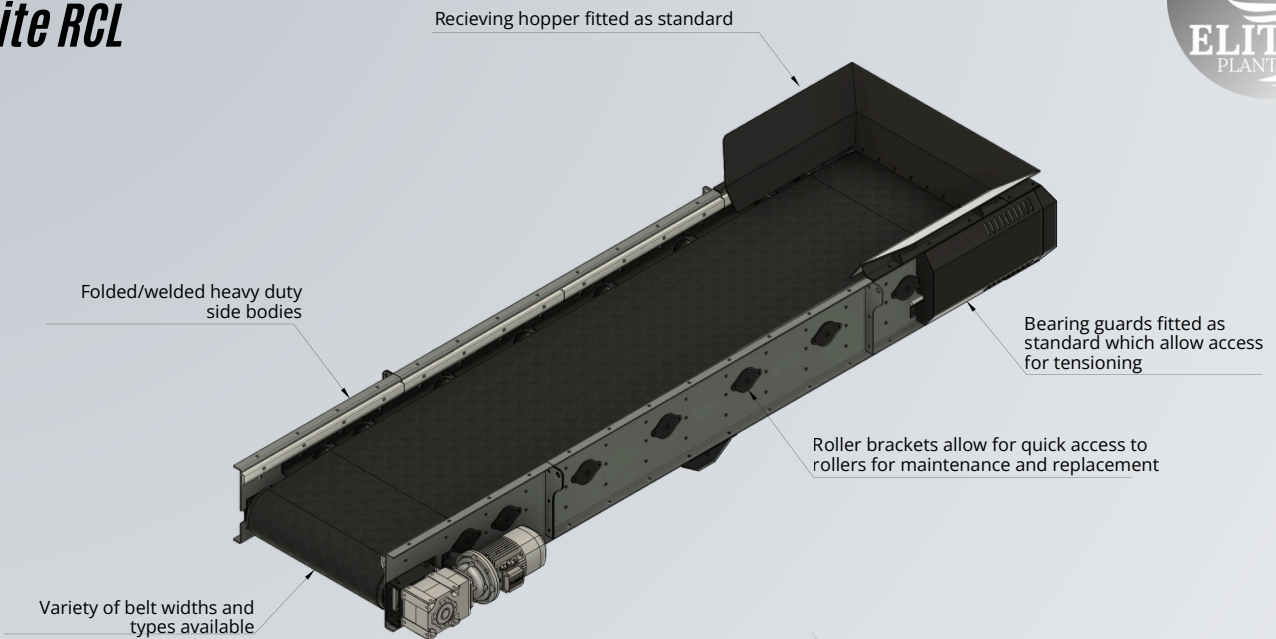
- Heavy duty rollers to suit material flow
- Roller brackets to suit easy removal/maintenance of rollers
- Receiving hopper fitted as stranded
- Power output can be discussed at quoting stage to suit customer requirements
- Bearing guards with internal adjustment to suit tensioning the belt
- A variety of belt types and widths are available

Optional Extras

- We stock a variety of belt cleaners should they be required
- Heavy duty legs to suit incline should this be required
- Custom framework should the conveyor require this

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Elite RCL



Technical Data

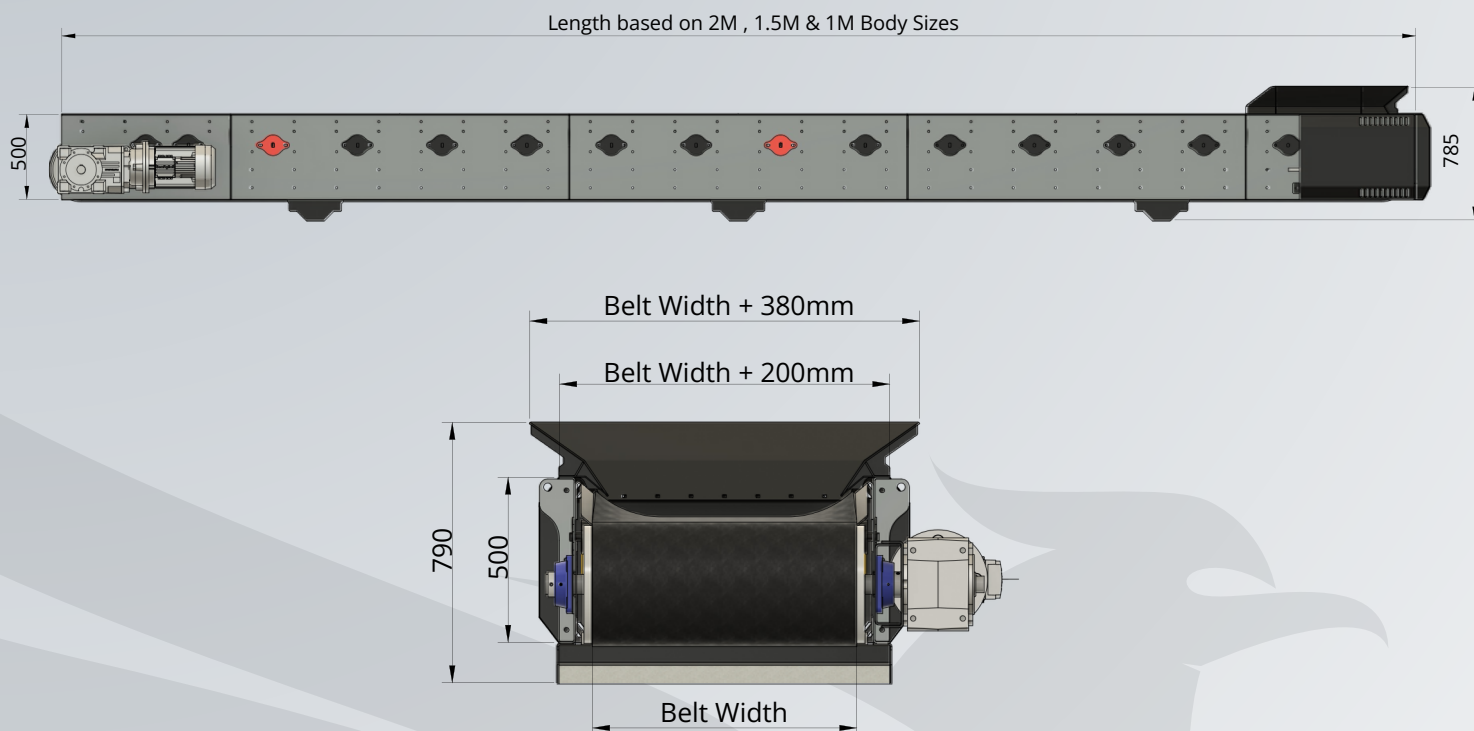
- Max tonnes per hour - the correct gearbox and belt width can be selected at quoting stage to suit this
- Power - selected at quote stage based on requirements
- Max incline - based on belt type selected
- Belt options - various widths, chevron, cleated, flat belt and side walling
- Conveyor max length - 60m (can go up to 200m with extra support)

Belt Guide				
Belt Width	Chevron	Cleated	Flat	Side Walling
600	x	x	x	x
800	x	x	x	x
1000	x	x	x	x
1200	x	x	x	x

x 450, 900, 1400, 1500, 1600, 1800 & 2000m CUSTOM SIZES AVAILABLE
 x PLEASE NOTE - NOT ALL CHEVRON TYPES AVAILABLE IN ALL SIZES

Elite RC

The heavy-duty version of our RCL model engineered for tougher applications where strength and durability are essential.



Key Features

- Heavy duty rollers to suit material flow
- Can be supplied with a troughed belt or flat
- Roller brackets to suit easy removal/maintenance of rollers
- Receiving hopper fitted as stranded
- Power output can be discussed at quoting stage to suit customer requirements
- Bearing guards with internal adjustment to suit tensioning the belt
- A variety of belt types and widths are available
- This conveyor is designed to suit the higher bulk density material with high throughput

Optional Extras

- We stock a variety of belt cleaners should they be required
- Heavy duty legs to suit incline should this be required
- Custom framework should the conveyor require this

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Elite RC



Receiving hopper fitted as a standard

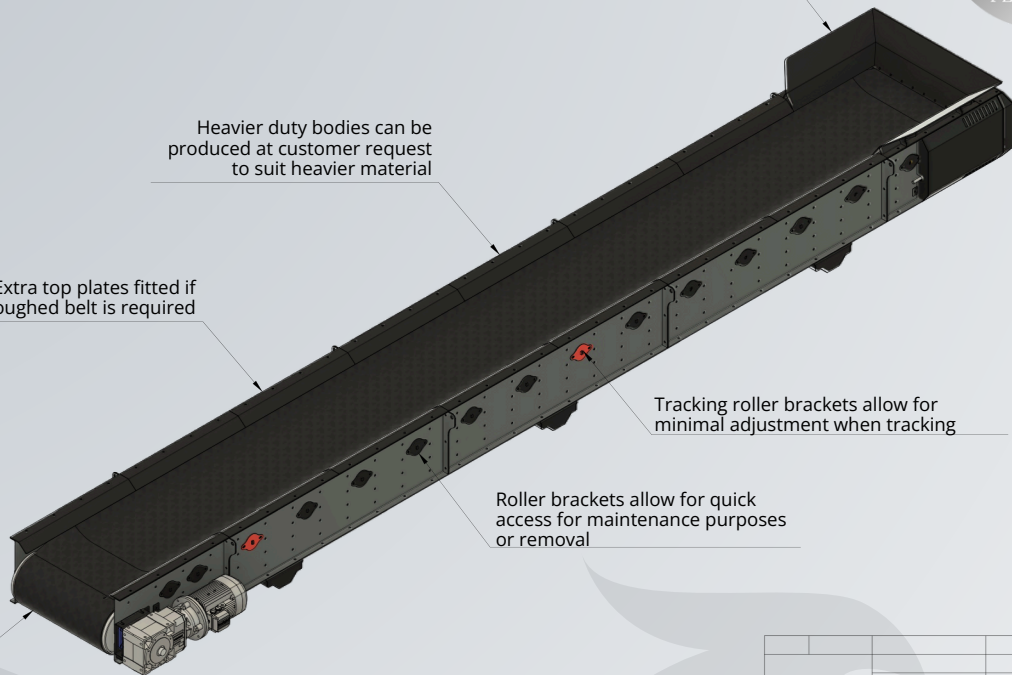
Heavier duty bodies can be produced at customer request to suit heavier material

Extra top plates fitted if troughed belt is required

Tracking roller brackets allow for minimal adjustment when tracking

Roller brackets allow for quick access for maintenance purposes or removal

Variety of belt widths and types available



Technical Data

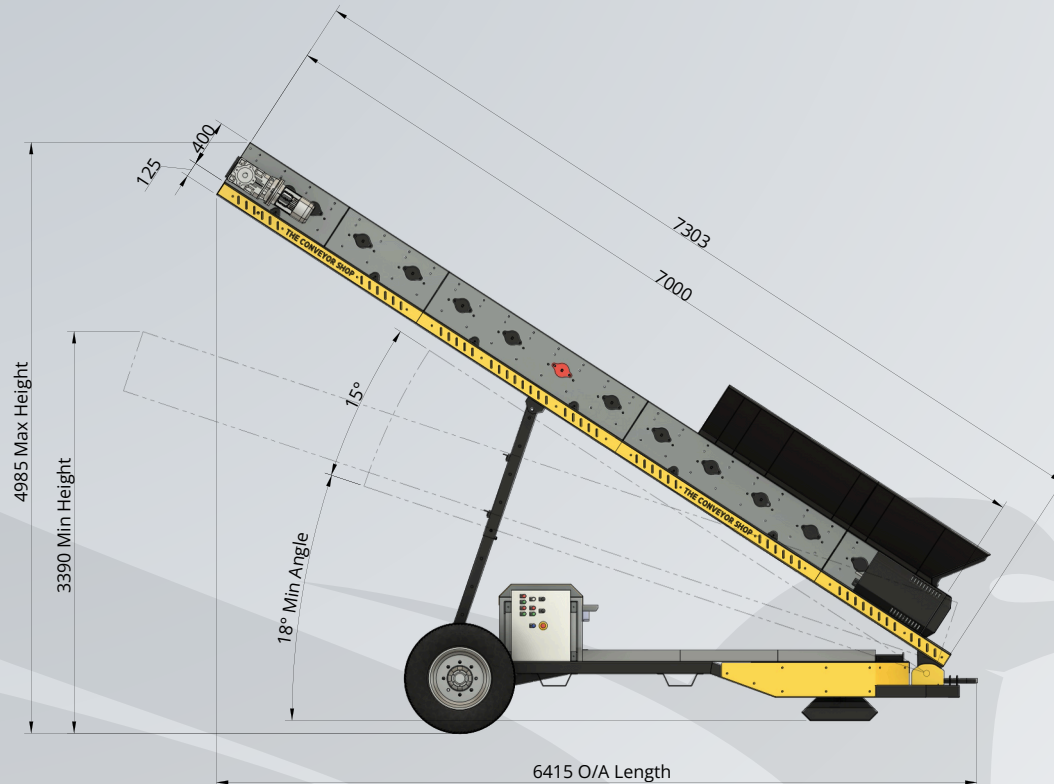
- Max tonnes per hour - the correct gearbox and belt width can be selected at quoting stage to suit this
- Power - selected at quote stage based on requirements
- Max incline - based on belt type selected
- Belt options - various widths, chevron, cleated, flat belt and side walling
- Conveyor max length - 60m (can go up to 200m with extra support)

Belt Guide				
Belt Width	Chevron	Cleated	Flat	Side Walling
600	x	x	x	x
800	x	x	x	x
1000	x	x	x	x
1200	x	x	x	x
1500	x	x	x	x

x PLEASE NOT - NOT ALL CHEVRON TYPES AVAILABLE IN ALL SIZES
 X SIDE WALLING & CLEATED NOT AVAILABLE ON TROUGHED BELT

Elite Slinger

A powerful, mobile conveyor capable of handling biomass, recycling and bulk materials.
Built for high output and versatility across multiple industries.

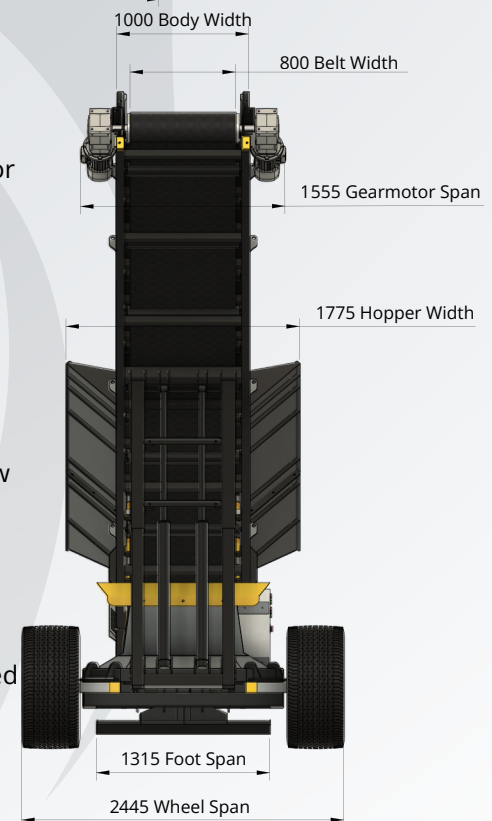


Key Features

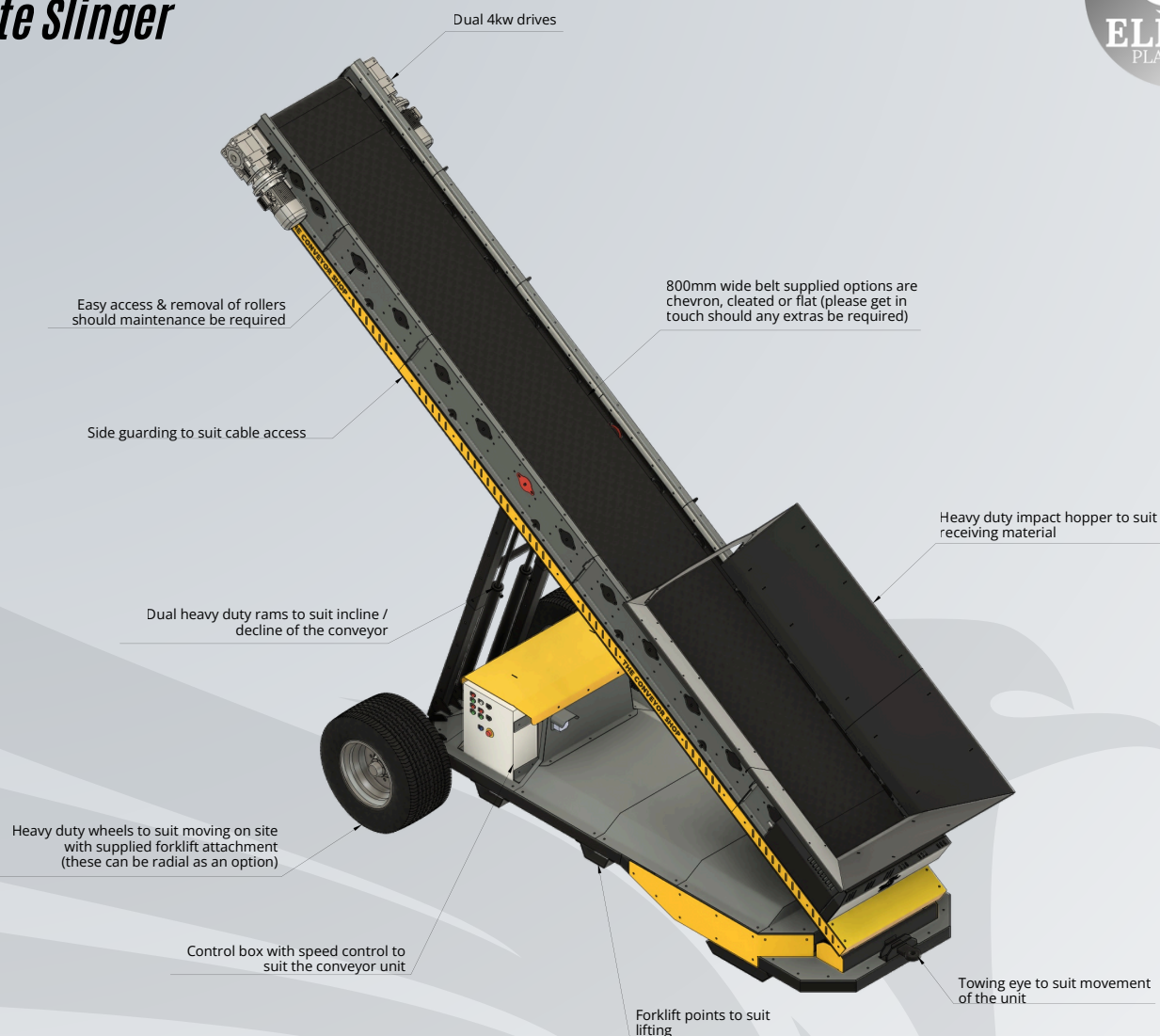
- 800mm Belt width supplied with pre-fitted cleats (not shown) to suit conveyor material)
- Heavy duty wheels supplied pre-installed for moving on site
- Heavy duty box section framework to ensure longevity of the product
- Forklift eyes to suit lifting if required
- Large receiving hopper to suit material needs
- Removable rollers should maintenance be required
- Dual 4kW motors
- Hydraulic rams to suit incline and decline of conveyor to angles shown
- Control box with speed control to adjust conveyor speed to suit material flow requirements
- Supplied with forklift attachment to suit moving whilst on site

Optional

- Pivoting wheels to suit converting to a radial conveyor should this be required (note this is not self propelled)
- Jacking rams to suit steadying the unit whilst pivoting
- Belt cleaning options such as scrapers and brushes



Elite Slinger



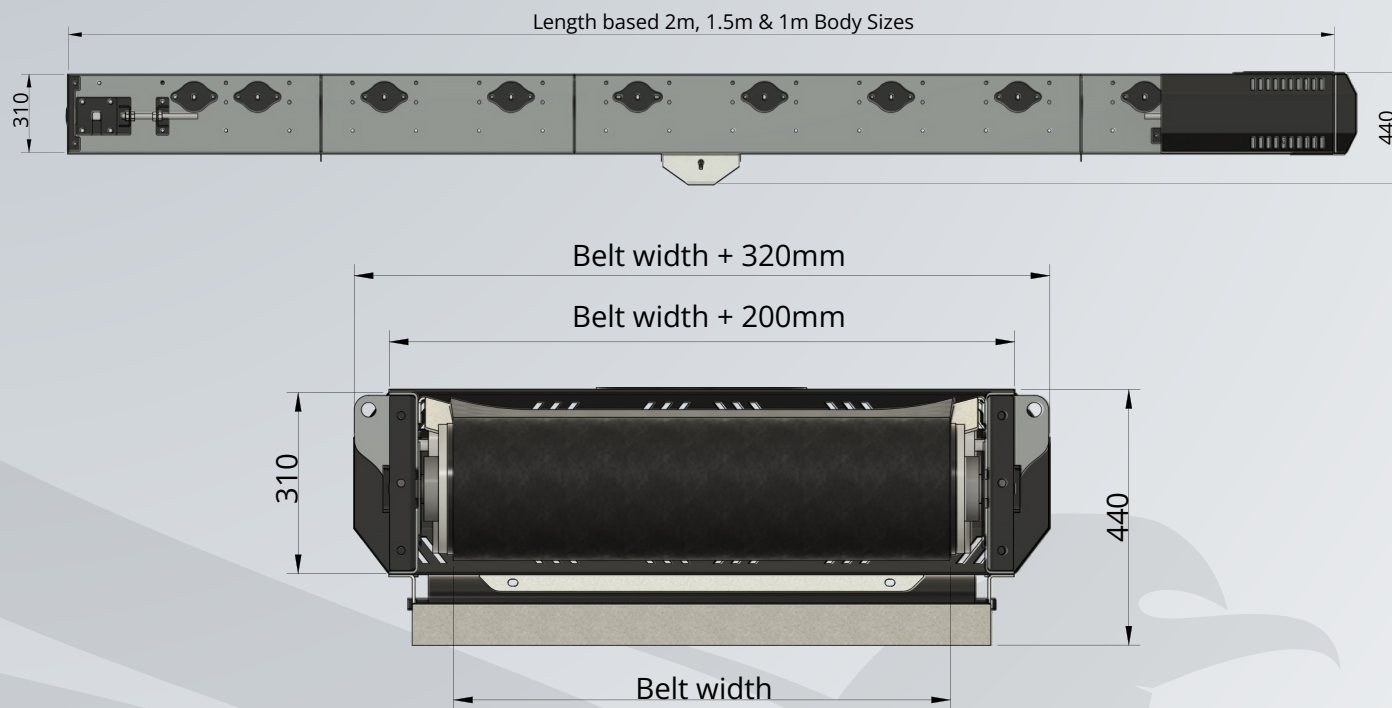
Technical Data

- Max tonnes per hour - 350 tonnes (material dependent)
- Power - 8kw (electrical or hydraulic) (dual 4kw drives)
- Min incline - 18°
- Max incline - 33°
- Max output height - 5.5m
- Belt options - chevron, cleated, flat
- Conveyor length - 7m (excluding guarding)
- Belt width - 800mm
- Weight - 3.3 tonnes (approx) (without optional extras)



Elite Picking

Designed for sorting and separation in recycling centres, warehouses and production lines. Ideal for any application involving material picking.



Key features

- Heavy duty 102mm Rollers to suit
- Trough brackets allow for a slight trough on the belt to ensure material stays central
- Roller brackets to suit easy removal/maintenance of rollers
- Power output can be discussed at quoting stage to suit customer requirements
- Bearing guards with internal adjustment to suit tensioning with belt
- Guarding to top of the conveyor ensures material stays within the confines of the belt
- Heavy duty construction allows for swl of 50kg/m
- Internally driven drive at the head ensures the profile of this unit is kept to a minimum

PLEASE GET IN TOUCH SHOULD YOU HAVE ANY SPECIFIC REQUIREMENTS AND WE WILL ENDEAVOUR TO MATCH YOUR NEEDS

Elite Picking

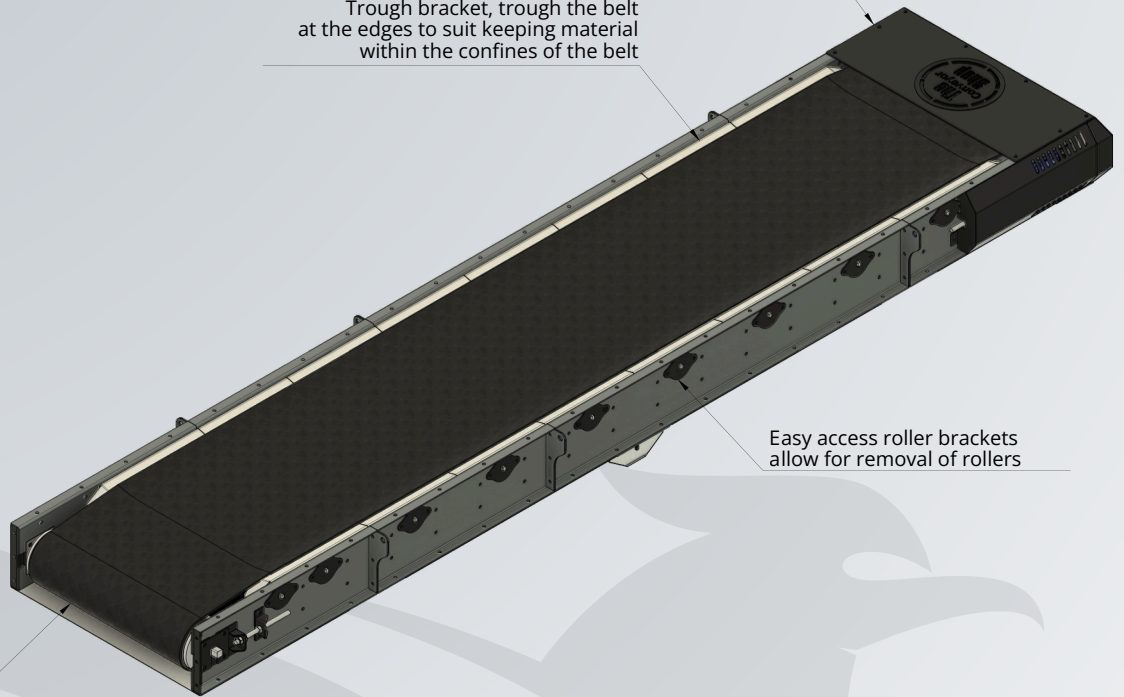


Rear guard help protect the return of the belt to the surface from pinch points

Trough bracket, trough the belt at the edges to suit keeping material within the confines of the belt

Easy access roller brackets allow for removal of rollers

Internally driven drive drum



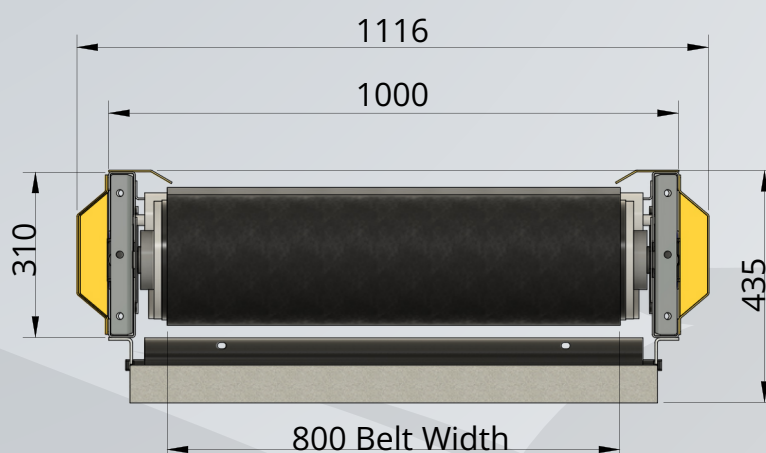
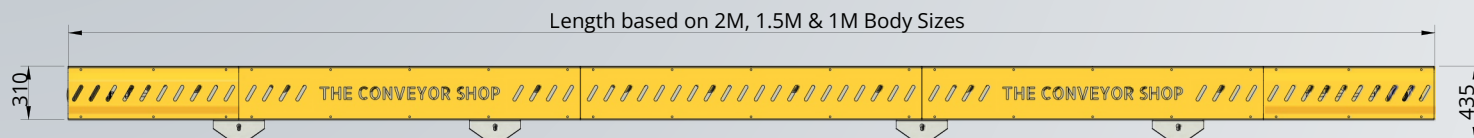
Technical Data

- Max weight per m - 200kgs
- Power - Selected at quote stage based on requirements
- Max incline - 30°
- Conveyor max length - 100m
- Drive type - internally driven drive drum

Belt Widths Available
800
1000
1200
1500

Elite MH80

A heavy-duty conveyor system built to move materials across multiple levels. Perfect for warehouses, distribution hubs and industrial setups.



Key features

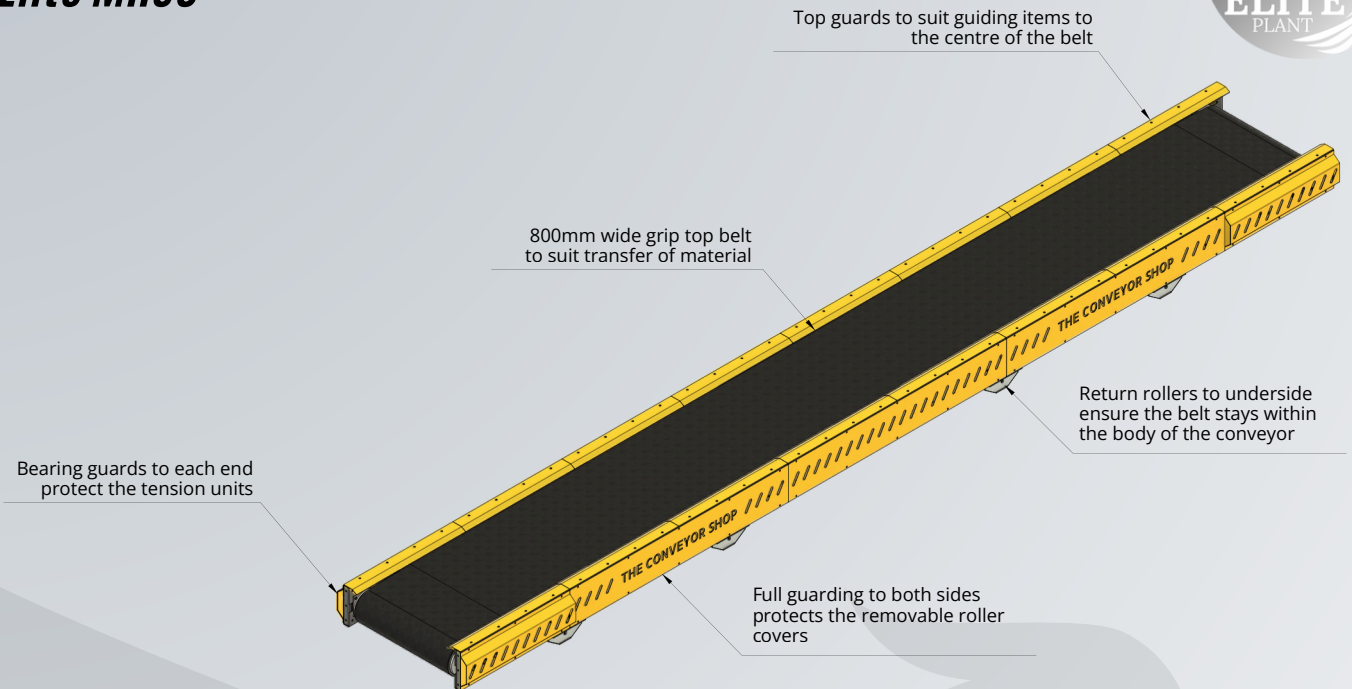
- Heavy duty 102mm rollers to suit
- Skid bed panels between roller ensure material flows smoothly along the belt
- Roller brackets to suit easy removal/maintenance of rollers
- Power output can be discussed at quoting stage to suit customer requirements
- Bearing guards with internal adjustment to suit tensioning the belt
- Guarding to top of the conveyor ensures material stays within the confines of the belt
- Easy access guarding to outer sides to prevent access if not required for maintenance
- 800mm wide grip top belt
- Heavy duty construction allows for a swl of 50kg/M
- Internally driven drive at the head ensures the profile of this unit is kept to a minimum

Optional extras

- Framework to suit providing an incline constructed as per customer requirements
- Roller or transfer tables can be produced if required

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Elite MH80



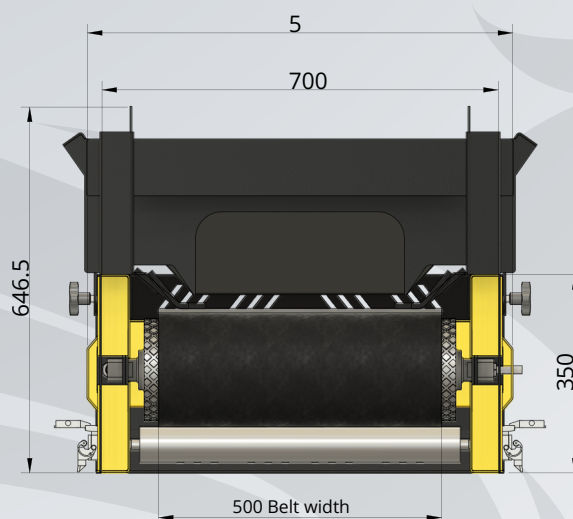
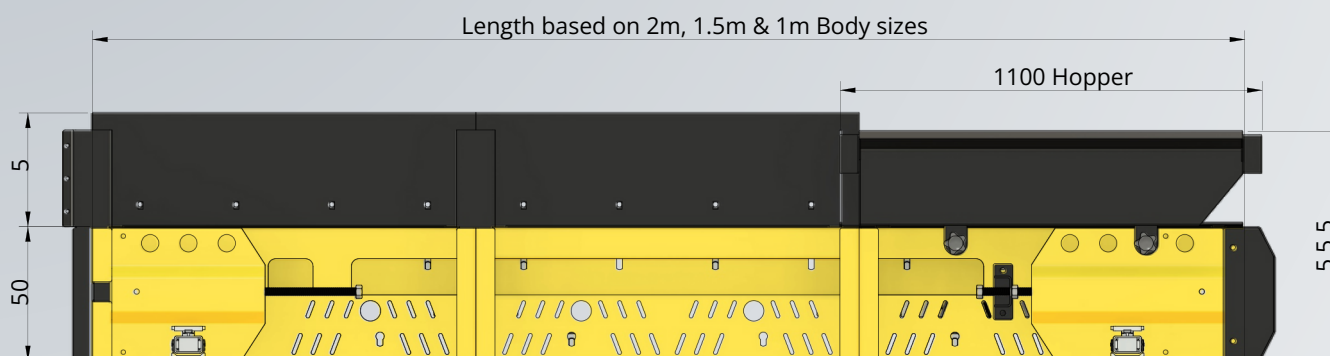
Technical Data

- Max weight per m - 50kg
- Power - selected at quote stage based on requirements
- Max incline - 30°
- Conveyor max length - 20m (if drive power altered and extra support could get up to 50m on a 5.5kw drive slow speed)
- Drive type - internally driven drive drum



Elite Contractor 500

Compact, portable and quick to assemble ideal for aggregates, recycling and tight-space operations. A true on-site essential.



Key Features

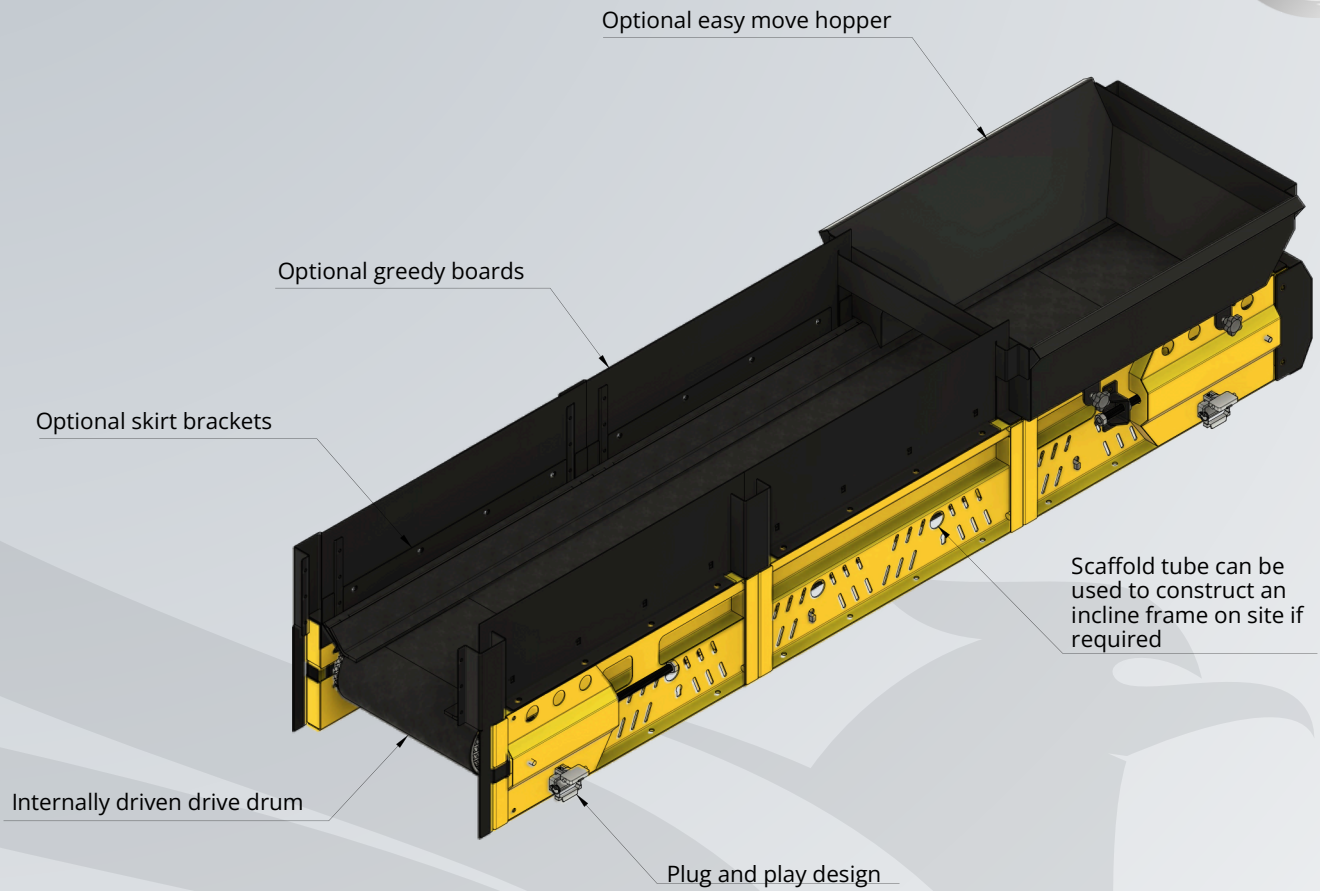
- 63.5mm Lightweight rollers
- Rollers drop easily into bodies without fixings before fitting the belt
- Clipped belt makes it easy to fit on site
- Turnbuckle joints mean this conveyor can be assembled with very few tools in a confined space
- Holes in side bodies allow for standard scaffold tube to allow for incline frames to be built
- Internally driven head drum keeps the profile of the conveyor to a minimum

Options Extras

- Greedy boards can be fitted to top if required
- Greedy boards come with guide brackets that can also be fitted to suit material flow along belt
- Movable hopper slides up and down the conveyor before being tightened using the lobe screws

PLEASE GET IN TOUCH SHOULD YOU HAVE ANY SPECIFIC REQUIREMENTS AND WE WILL ENDEAVOUR TO MATCH YOUR NEEDS

Elite Contractor 500



Technical Data

- Max weight per m - 80kgs
- Power - Selected at quote stage based on requirements
- Max incline - based on belt selected
- Conveyor max length - 20m on a 2.2kW or 50m on a 5.5kW drive slow speed
- Drive type - internally driven

Elite Field



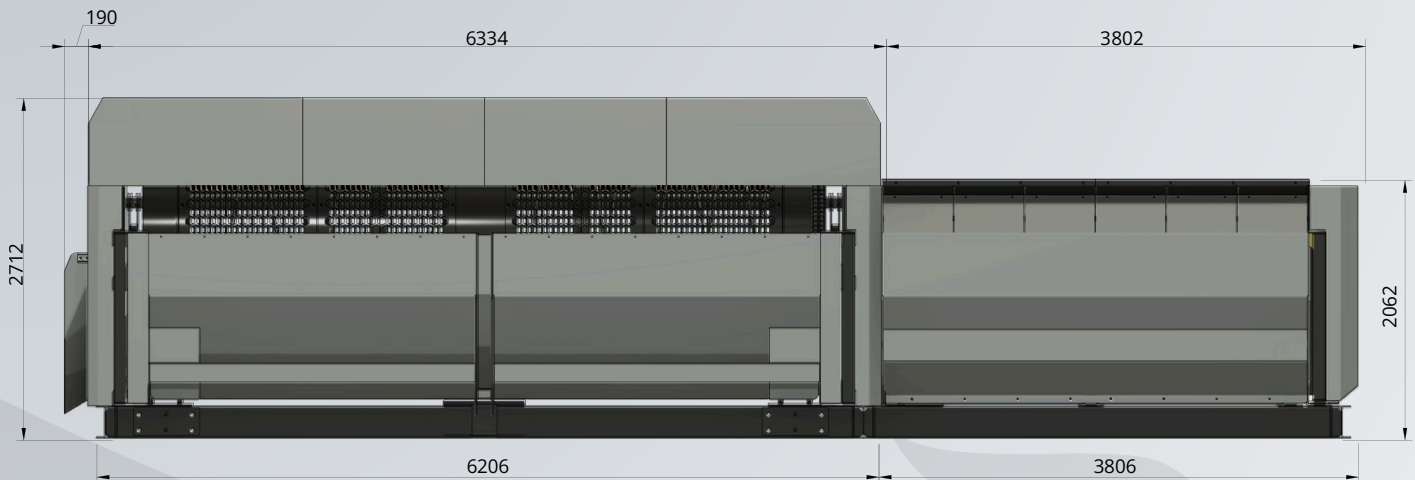
Elite Field





Elite Trommel E620T

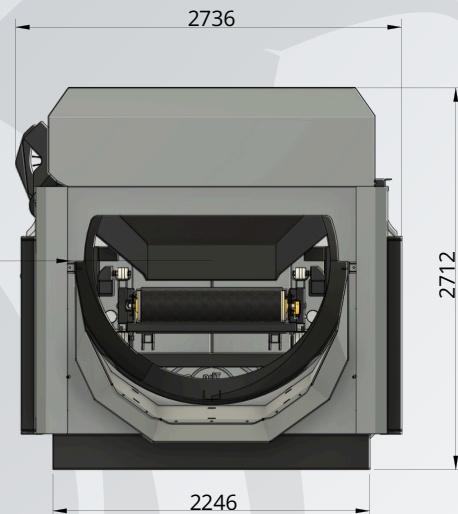
Reliable rotary screening solution for separating materials by size. Perfect for waste management, composting and aggregate screening.



Key Features

- 6m x 2m Drum which can be ordered with holes to suit customer requirements
- Retractable conveyor and roof to allow for removal of drum should this need changing
- Mid split swing doors to drum front & rear of conveyor to gain access to internals
- Feeder conveyor with speed control to suit material output
- Integrated control panel (can be free-standing if required)
- I-Beam underside frame can be placed on existing structure on site or a structure can be manufactured if required
- Retractable self-powered drum cleaning brush with stabilising wheel to suit
- Integrated in feed hopper with optional wear liners if required
- Walkways and extra guarding can be added as per customer requirements

2000 Drum



Optional Extras

- Fines conveyor can be added should this be required
- Oversize conveyor can also be added
- Spray bars/wash kit can be added as per customer requirements
- Sensors and interlocks can be added should these be required
- Walkways and extra guarding can be added as per customer requirements

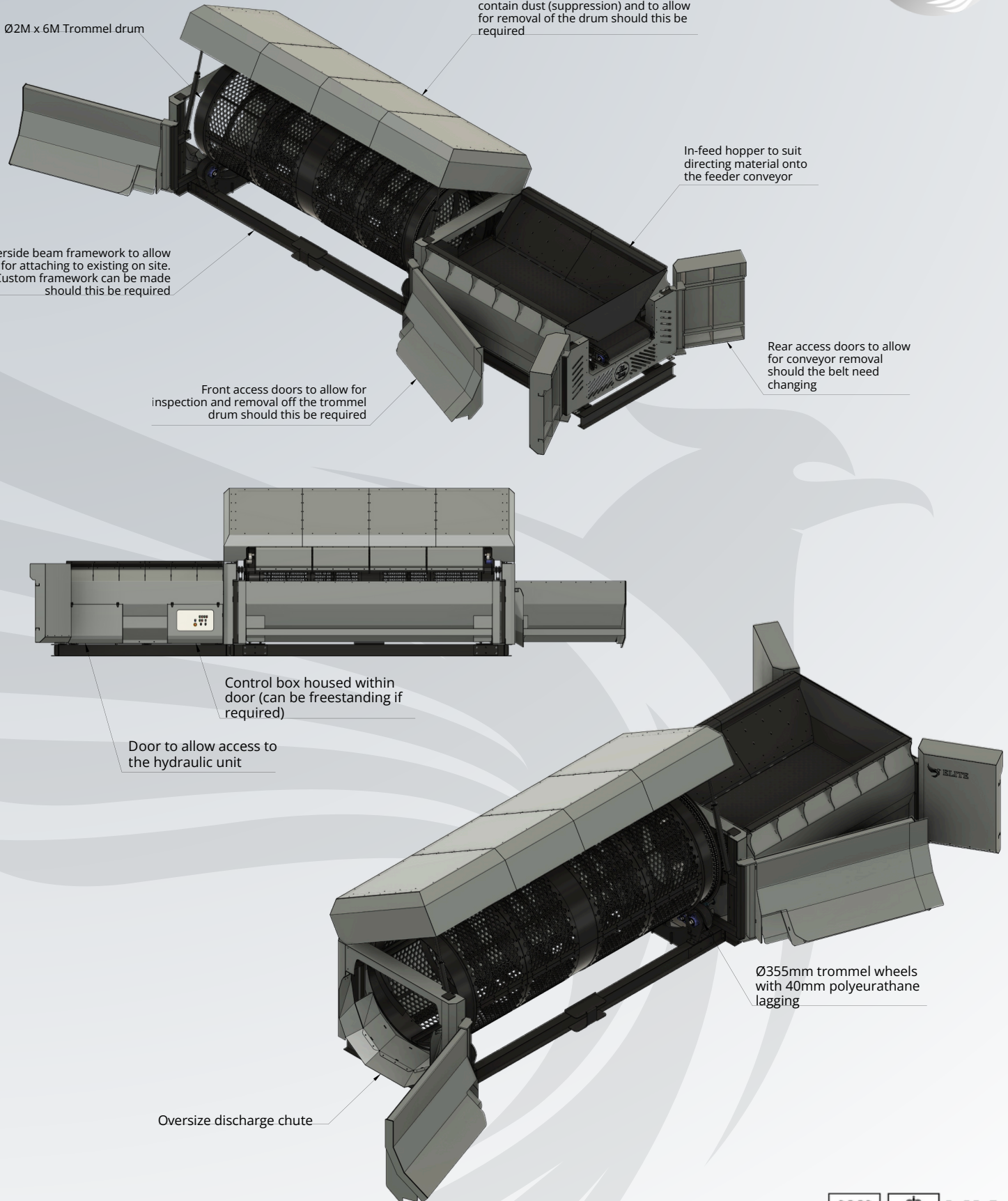
Technical Data

- Power - 15kW helical bevel, right-angle drive with chain and sprocket to suit drive of trommel drum
- Hydraulic power pack - 3kW power pack with hoses, 5NO, hydraulic rams, valves and fittings to suit
- Conveyor - 3.5m x 850mm wide belt conveyor with 2kW drive suit, speed control integrated into control box
- Wheels - 355mm trommel wheels with 40mm thick polyurethane lagging mounted with FYJ60TF SKF bearings
- Cleaning brush - self powered drum brush, retractable to allow for drum removal
- Dust suppression - hydraulically powered, retractable roof to allow for drum removal

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Elite Trommel E620T



Ø2M x 6M Trommel drum

Hydraulically powered lifting roof to contain dust (suppression) and to allow for removal of the drum should this be required

In-feed hopper to suit directing material onto the feeder conveyor

Underside beam framework to allow for attaching to existing on site. Custom framework can be made should this be required

Front access doors to allow for inspection and removal off the trommel drum should this be required

Rear access doors to allow for conveyor removal should the belt need changing

Control box housed within door (can be freestanding if required)

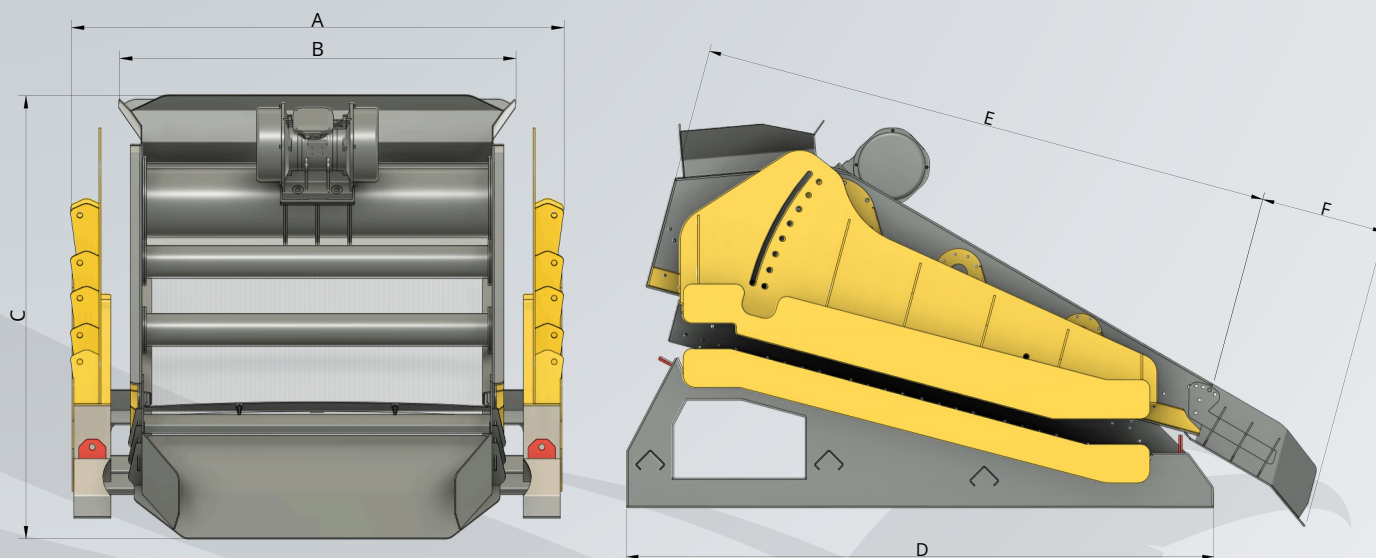
Door to allow access to the hydraulic unit

Ø355mm trommel wheels with 40mm polyurethane lagging

Oversize discharge chute

Elite Deck Screeners

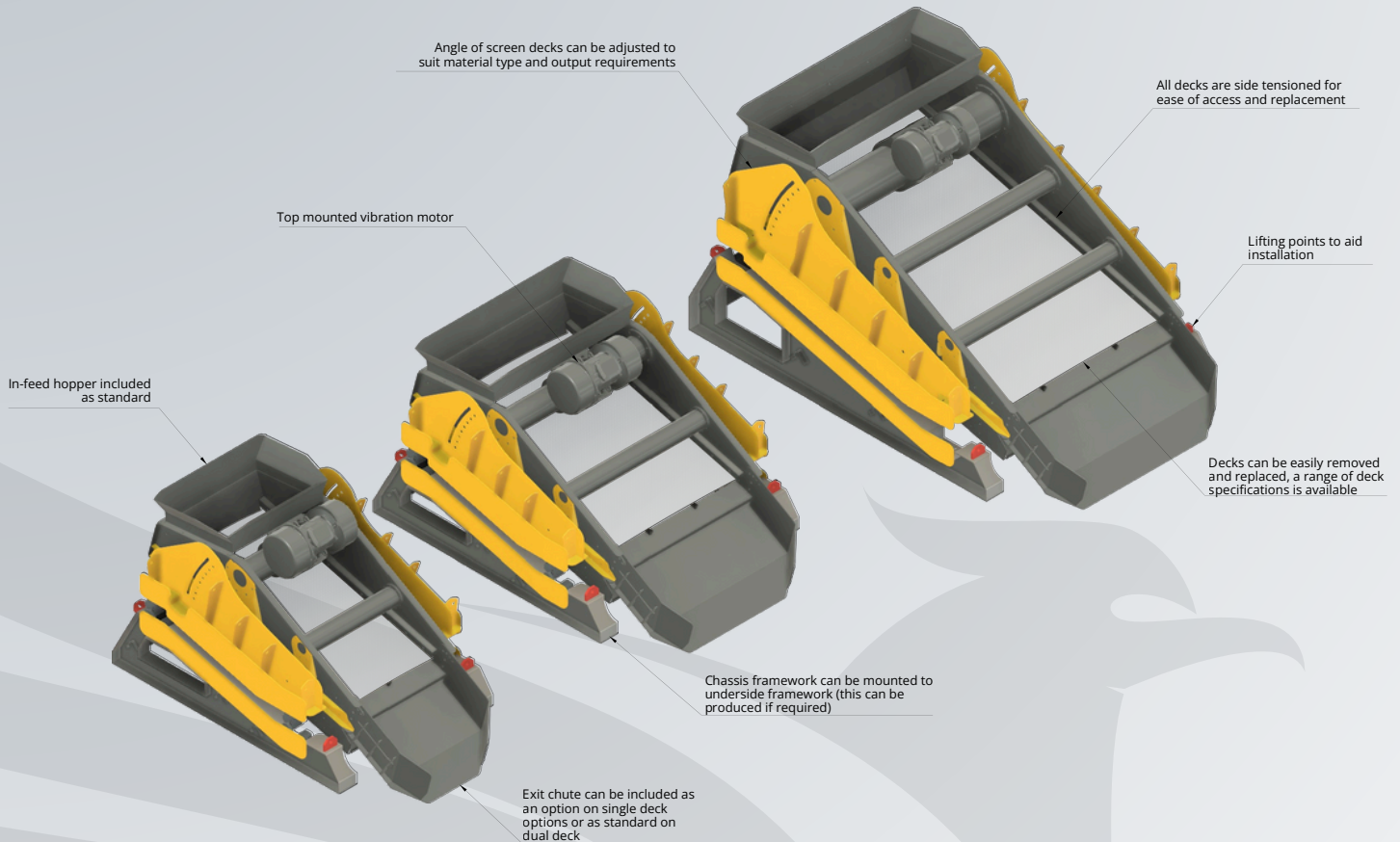
Versatile and efficient for grading and separating materials. Essential for efficient metal recovery and cleaner recycling output.



Elite Screener Range								
Name	Deck size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)
MS2010	1m x 2m	1735	1240	1785	2525	2320	710	x933
MS1520	1.5m x 2m	2235	1740	1785	2525	2320	710	x1360
MS3018	1.8m x 3m	2535	2040	2260	3305	3220	710	x1730

Vibration Motor Specs		
Name	Power (kW)	Centrifugal Force (kg)
MS2010	2.88	5495
MS1520	4.00	7246
MS3018	7.35	9020

Elite Deck Screeners



Key Features

- Deck can be cut to suit customer requirements (hole type, hole size etc |)
- Heavy duty construction materials ensure longevity of the product
- Adjustable angle allows to differ output flow of material and adjust to suit various materials (15°-40°)
- Each can be purchased in either single or dual deck configurations
- Vibrations mounts ensure all force is placed through the screening unit and not the framework
- Easy to change the deck as the back panels can be removed for easy access
- Adjustable front chute (dual deck only) to suit material output

Optional Extras

- Exit chute can be ordered for single deck options if required
- Underside framework can be produced to suit if required

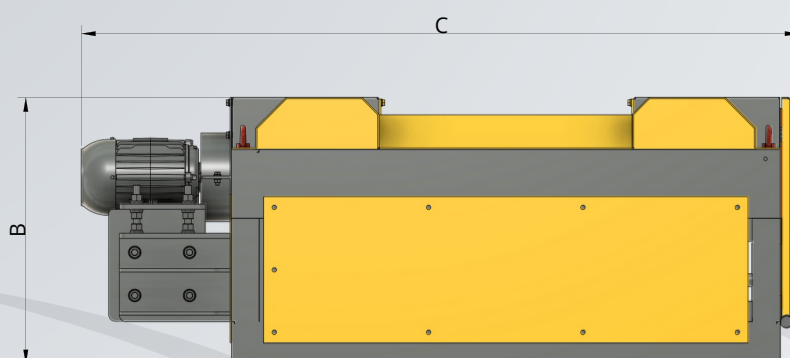
PLEASE GET IN TOUCH SHOULD YOU HAVE ANY SPECIFIC REQUIREMENTS AND WE WILL ENDEAVOUR TO MATCH YOUR NEEDS

Technical Data

- Power - as per above table
- Min incline - 15°
- Max incline - 40°
- Weight - as per table above

Elite Eddy Current Separators

Advanced separation system for non-ferrous materials. Essential for efficient metal recovery and cleaner recycling output.



ECS Units				
Usable Belt Width	A (mm)	B (mm)	C (mm)	Side Walling
600	1693	621	1675	x
900	1693	621	2043	x
1200	1693	621	2343	x
1500	1693	621	2643	x

Key Features

- Used for the separation of non-ferrous metal must be separated from waste product
- Eccentrically orientated, high-energy, rare-earth rotor
- Internally driven drive drum to maintain compact size
- Process a vast range of materials including but not limited to, scrap metals, cable, glass cullet, household refuse and cans
- Easy belt change via cantilevered frame assembly
- Process high amount of material without the downsides of concentric type rotors

Optional Extras

- This unit is available with splitters to suit material separation once sorted
- It is also available with a vibrating feeder in-feed, should this be required

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Elite Eddy Current Separator



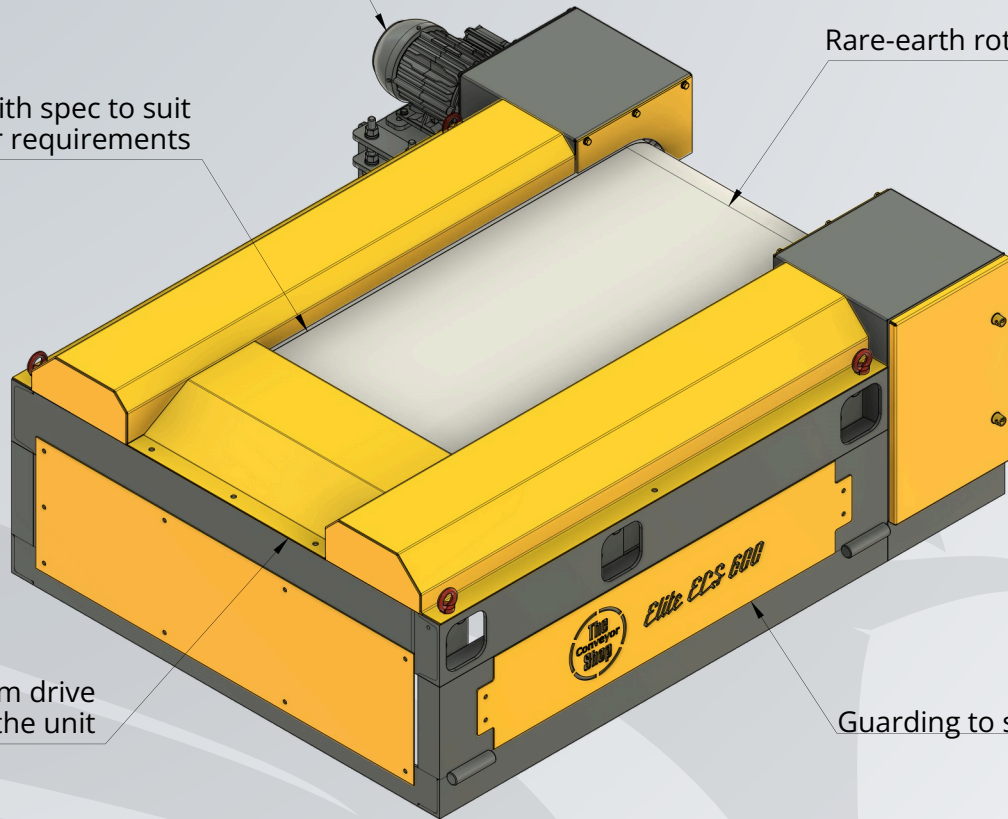
Rotor drive

Belt with spec to suit customer requirements

Rare-earth rotor

Internally driven drum drive housed this end of the unit

Guarding to suit

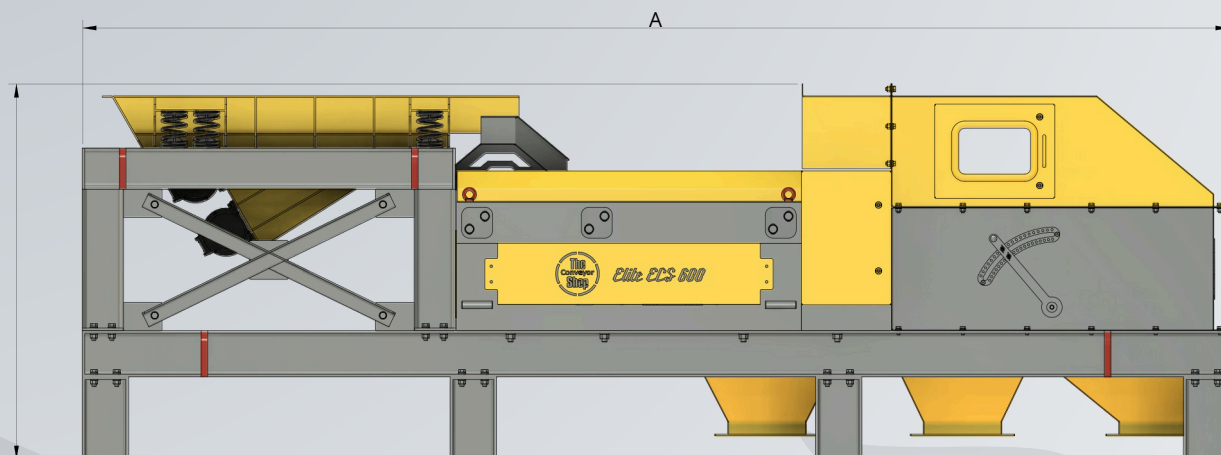


Technical Data

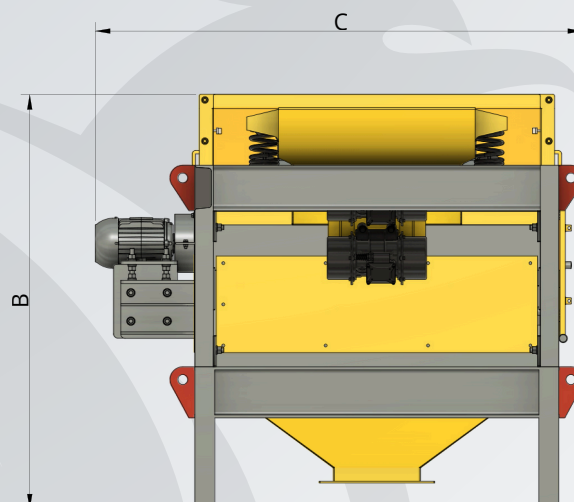
- Rotor - high tensile carbon steel shaft - rare earth neodymium-iron-boron permanent magnet assembly
- Drum - 3mm thick glass fibre
- Belt - 2ply - 2mm polyester with 0.4mm PVC wear cover
- Rotor drive - 3 phase squirrel cage induction motor - 2 pole - 3000rpm
- Belt drive - internally motorised pulley - up to 2.5m/s
- Framework - carbon steel with suitable guarding

Elite Eddy Current Separators with Splitter & Feeder

Advanced separation system for non-ferrous materials. Essential for efficient metal recovery and cleaner recycling output.



ECS Units with Splitter Module & Feeder				
Usable Belt Width	A (mm)	B (mm)	C (mm)	Side Walling
600	4460	1460	1975	x
900	4460	1460	2290	x
1200	4460	1460	2560	x
1500	4460	1460	2840	x



Key Features

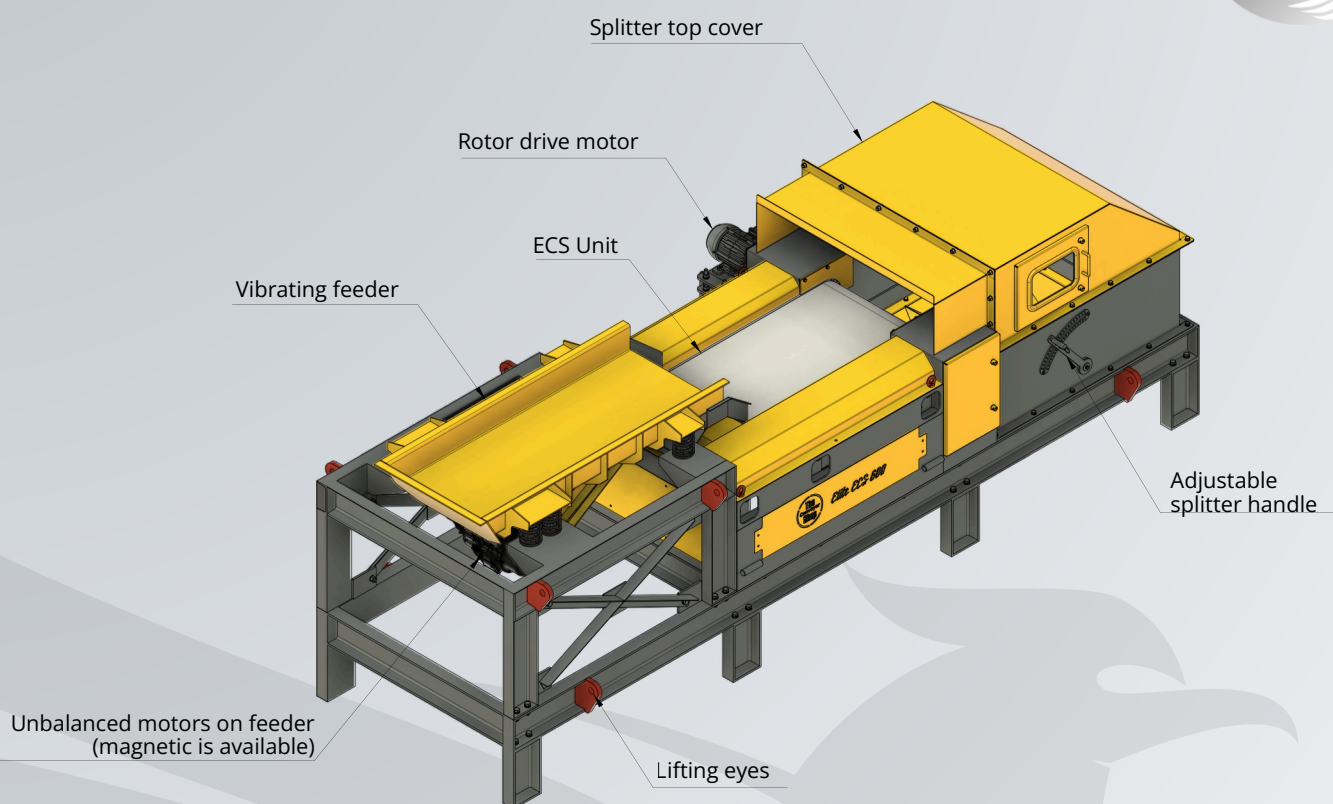
- Used for the separation of non-ferrous metal must be separated from waste product
- Eccentrically orientate, high energy, rare-earth rotor
- Internally driven drive drum to maintain compact size
- Process a vast range of materials including but not limited to, scrap metal, cable, glass cullet, household refuse and cans
- Easy belt change via cantilevered frame assembly
- Process high amount of material without the downsides of concentric type rotors
- Splitter unit to suit material separation
- Vibrating feeder to suit distribution of material onto the ECS belt

Optional Extras

- This unit is available without a splitter unit if required

PLEASE GET IN TOUCH SHOULD YOU HAVE ANY SPECIFIC REQUIREMENTS AND WE WILL ENDEAVOUR TO MATCH YOUR NEEDS

Elite Eddy Current Separators with Splitter & Feeder

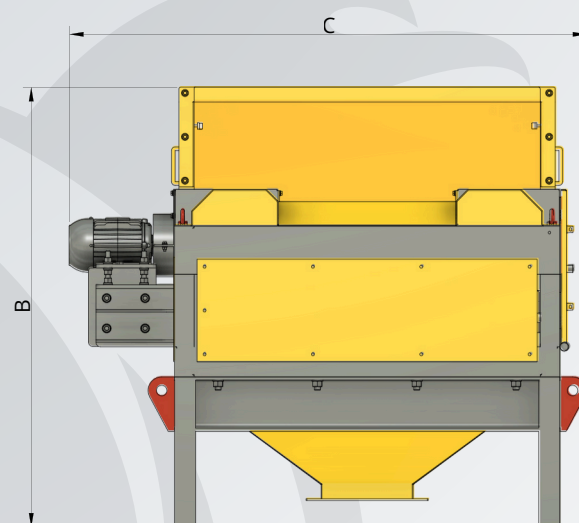
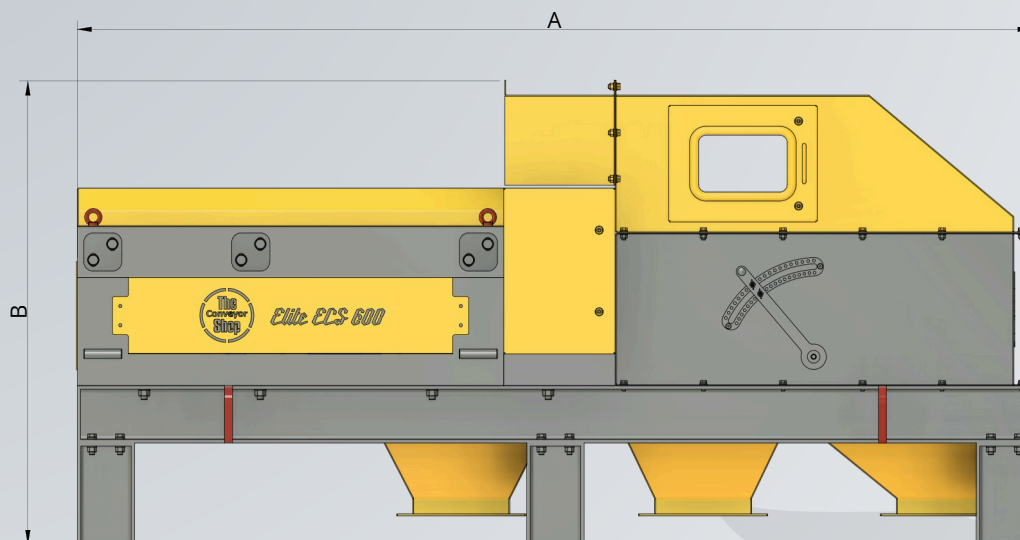


Technical Data

- Rotor - high tensile carbon steel shaft - rare earth neodymium-iron-boron permanent magnet assembly
- Drum - 3mm thick glass fibre
- Belt - 2ply - 2mm polyester with 0.4mm PVC wear cover
- Rotor drive - 3 phase squirrel cage induction motor - 2 pole - 3000rpm
- Belt drive - internally motorised pulley - up to 2.5m/s
- Framework - carbon steel with suitable guarding
- Splitter unit - fabricated steel cover with bottom chute outlets - adjustable splitter plate diverter vibrating feeder - available with either unbalanced motors or a magnetic vibrator drive type

Elite Eddy Current Separator with Splitter

Advanced separation system for non-ferrous materials. Essential for efficient metal recovery and cleaner recycling output.



ECS Units with Splitter Module				
Usable Belt Width	A (mm)	B (mm)	C (mm)	Side Walling
600	3005	1460	1975	x
900	3005	1460	2290	x
1200	3005	1460	2560	x
1500	3005	1460	2840	x

Key Features

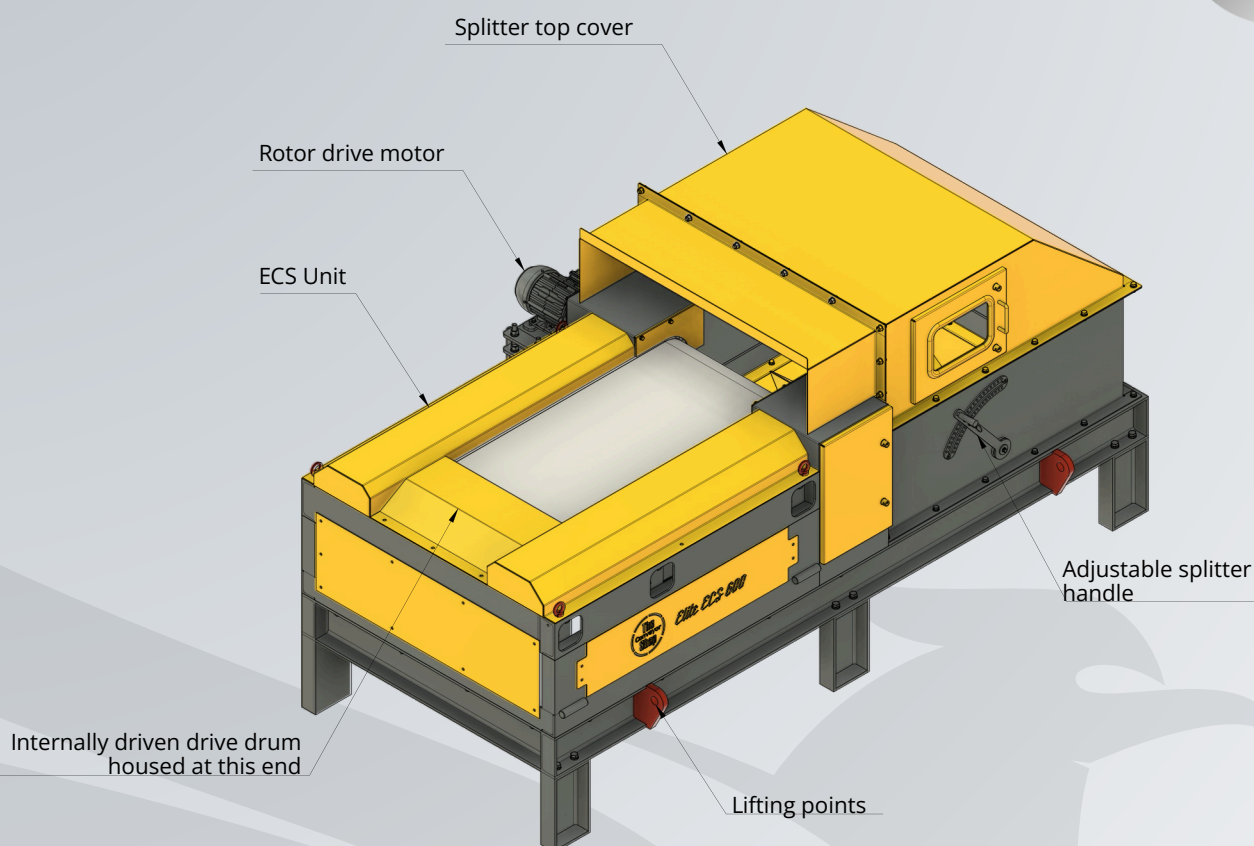
- Used for the separation of non-ferrous metal must be separated from waste product
- Eccentrically oriented, high energy, rare-earth rotor
- Internally driven drive drum to maintain compact size
- Process a vast range of materials including but not limited to, scrap metal, cable, glass cullet, household refuse and can
- Easy belt change via cantilevered frame assembly
- Process high amount of material without the downsides of concentric type rotors
- Splitter unit to suit material separation

Optional Extras

- This unit is available without a splitter unit if required
- It is also available with a vibrating feeder in-feed, should this be required

PLEASE GET IN TOUCH SHOULD YOU HAVE ANY SPECIFIC REQUIREMENTS AND WE WILL ENDEAVOUR TO MATCH YOUR NEEDS

Elite Eddy Current Separator with Splitter

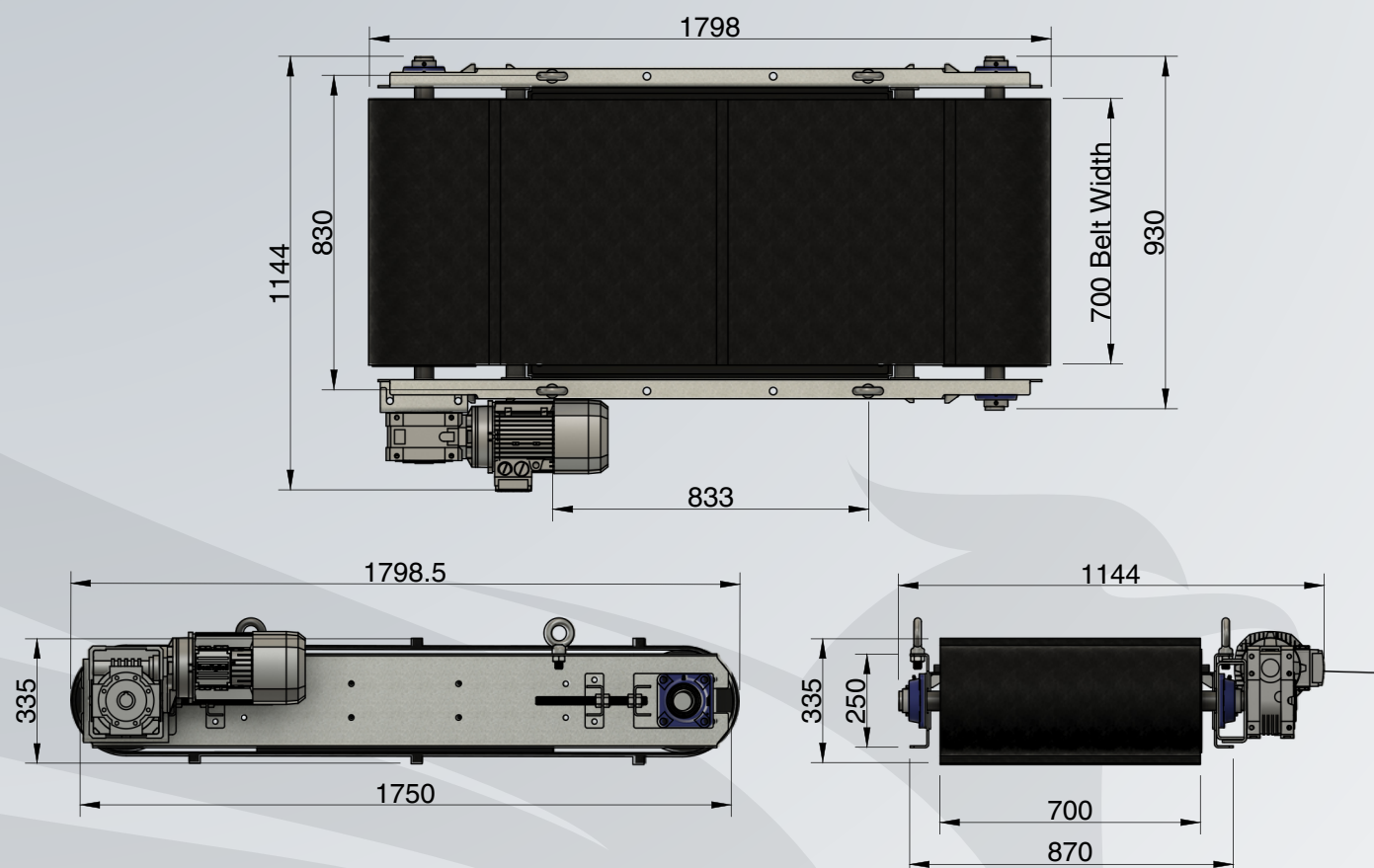


Technical Data

- Rotor - high tensile carbon steel shaft - rare earth neodymium-iron-boron permanent magnet assembly
- Drum - 3mm thick glass fibre
- Belt - 2 ply - 2mm polyester with 0.4mm PVC wear cover
- Rotor drive - 3 phase squirrel cage induction motor - 2 pole - 3000rpm
- Belt drive - internally motorised pulley - up to 2.5m/s
- Framework - carbon steel with suitable guarding
- Splitter unit - fabricated steel cover with bottom chute outlets - adjustable splitter plate diverter

Elite T10 Overband Magnet

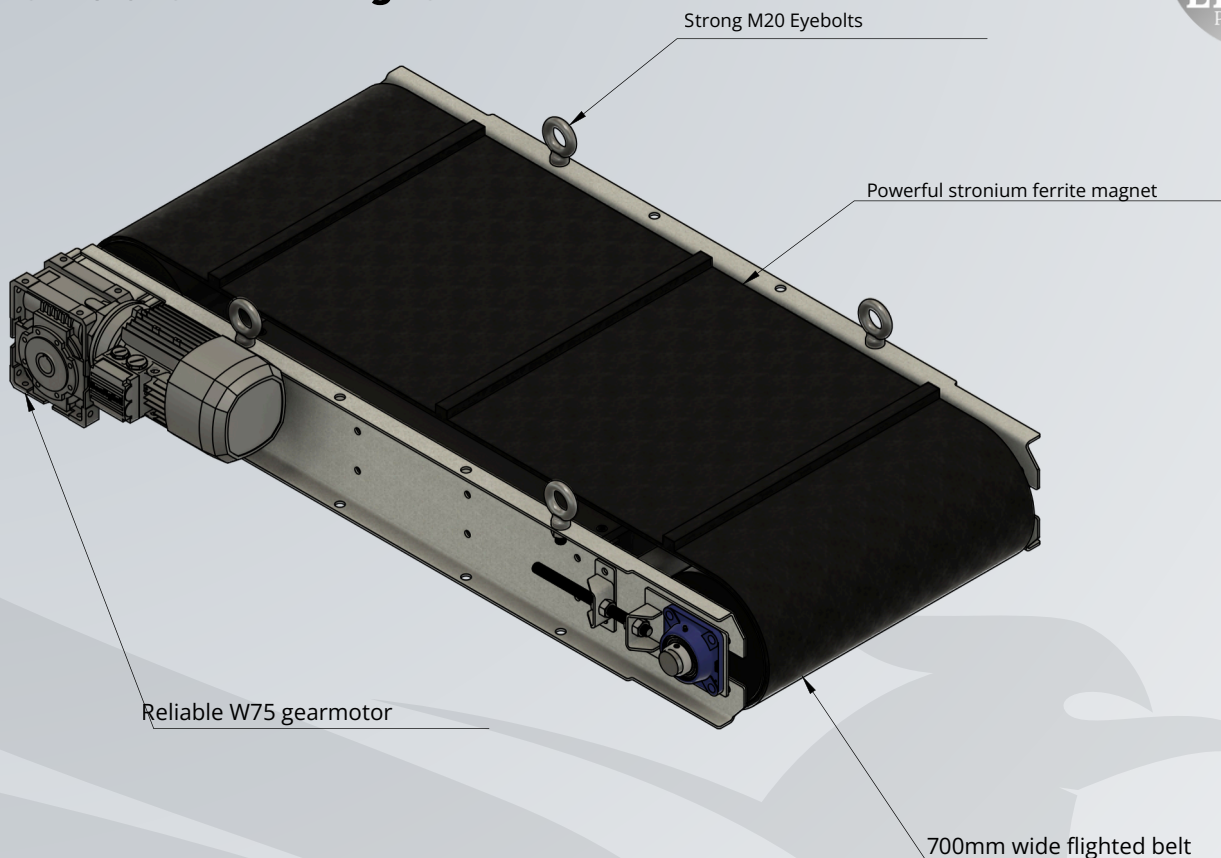
Powerful magnetic separator designed to remove ferrous metals from conveyors and material flow, improving product quality and safety.



Key Features

- Strong strontium ferrite magnet - The strong, single pole magnetic in this conveyor ensures magnetic material is attracted to the flighted belt before reaching the discharge zone. Further details of this magnet is specified on the page to follow
- Compact size - This conveyor has been designed with tight spaces in mind. Whilst the 700m wide belt ensures that processing requirements are not diminished. The lifting eyes can be adjusted to suit fitting to existing framework or framework can be made to suit if required
- Low maintenance - This system requires very little maintenance and due to its galvanised construction, the parts are built to last. Only bearings will require attention such as greasing and tightening
- Ease of tensioning - The tension units used to track the belt and maintain belt tension can be operated with a spanner to each side, to ensure ease of operation and reduce maintenance downtime
- Galvanised finish - Taking things a step further, our T10 overband magnet conveyor has a galvanised finish to guarantee that the components last in even the harshest environments
- Heavy duty construction - this unit is built using steel components to ensure longevity and to ensure that they can endure the harsh environments that they are placed in. With custom made head and tails drums, made by us, we ensure that product quality is our top priority

Elite T10 Overband Magnet



Material	Size (mm)	Weight (g)	Max Attraction Distance (mm)
Paper Clip	30	0.6	368
Nail	2 x 50L	1.16	355
M10 Bolt	M10 x 100L	50	406
M20 Bolt	M20 x 100L	250	229
500g Weight	N/A	500	178
1kg Weight	N/A	1000	191
2kg Weight	N/A	2000	204
5kg Weight	N/A	5000	229

Technical Data

- Internal dimensions - 800x600mm
- Recommended operating gap - 200mm
- Magnet weight - 487kg
- Gauss reading at 250mm - >400 Gauss
- Magnet type/grade - strontium ferrite Y30BH

Elite Crusher



Elite Crusher

