

Dry Screening

Horizons
Chieftains
Warriors
Powergrids

Powertracks
Commanders
Mk II
Conveyors



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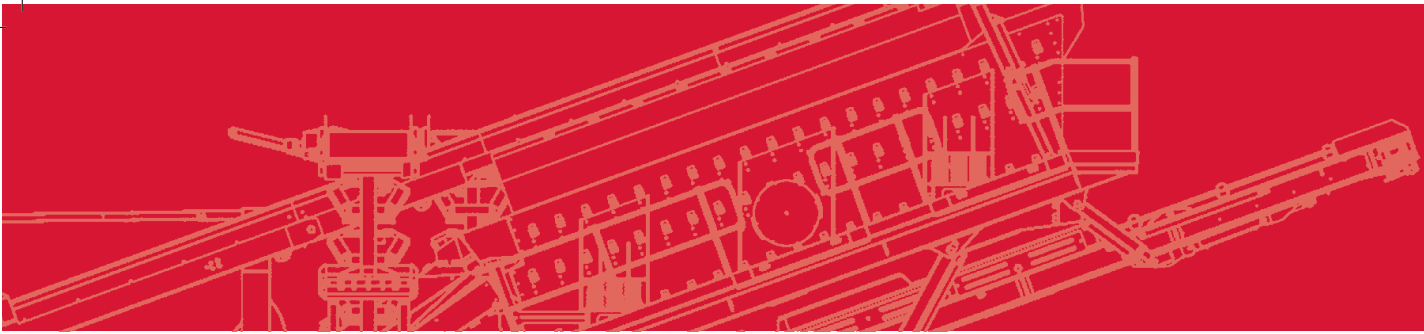
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Chieftain Range- Chieftain 400 & 600

Powerscreen® is the world leader in mobile screening. Powerscreen® mobile screens are used in a variety of global industries – from mining, quarrying and aggregate extraction to recycling and waste management.

Powerscreen® have been providing equipment since 1966 and have kept ahead through market leading innovations, customer driven research & development, stringent quality management and enviable global after sales support.

From individual mobile machines to massive multi-unit plant installations, Powerscreen® engineering expertise provides the solution to any screening, recycling, washing or materials processing problem.

Part of Terex, one of the world's largest construction equipment manufacturers, Powerscreen® combine industry experience and engineering know-how with a continuous development programme. From a modern and ever-growing production facility at the corporate headquarters in Dungannon, Northern Ireland, equipment proudly carrying the Powerscreen® name is exported all over the world through over 100 appointed Dealers.

Dry Screening:

Dry Screening is the separation of material into different sized products. The material is separated by passing it through a vibrating 'screen box' which has a number of different-sized screens, or meshes – which the material falls through like a sieve. The material falls onto attached conveyors which stockpile the end products. The end products can then be used in the building and construction industries.

In the rugged world of aggregate extraction, coal processing, construction & demolition waste, recycling and materials reclamation, Powerscreen® leads the way. A number of Dry Screening product ranges are available, from small and compact equipment right up to heavy-duty, high output productivity. All Powerscreen® equipment is built to have a long active life and for easy serviceability.

Applications include:

- Face Blasted Stone
- Crushed Stone
- Construction & Demolition Waste
- Muck Away
- Coal
- Compost
- Top Soil
- Sand & Gravel



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The best selling Powerscreen® Chieftain Range are mobile screening products for the processing of aggregates and sand and are in operation globally. There are a wide range of models to suit every size of application right up to 750 tph (827 US tph)*. All Chieftain products are easy to transport, set up, operate and maintain.

Chieftain 400 & Chieftain 600

Output Potential: Chieftain 400: up to 150 tph (165 US tph)*
Chieftain 600: up to 200 tph (220 US tph)*

Features

- Direct Feed – Chieftain 400
- Feed hopper – Chieftain 600
- Patented 4 bearing screen box
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Radio controlled tipping grid
- Screen walkway and access ladder
- Engine protection shut down system
- Integrated high capacity variable speed belt feeder
- Fully CE approved

Options

- Wheeled or tracked
- Single or double deck vibrating grizzly
- Shredder
- Hydraulic screen tensioning
- Radio controlled tracking
- Diesel hydraulic or electric hydraulic drive, wheel version

*Depends on application

Chieftain 400:	Track		Wheeled	
Weight	13020kgs	28644lbs	11280kgs	24816lbs
Transport width	2.75m	9'	2.75m	9'
Transport length	10.2m	33'6"	10.75m	35'3"
Transport height	3.2m	10'4"	3.9m	12'10"
Working width	11.35m	37'3"	11.35m	37'3"
Working length	11.5m	37'9"	11.8m	38'9"
Working height	4.45m	14'7"	4.65m	15'3"

Chieftain 600:	Track		Wheeled	
Weight (est)	15200kgs	33510lbs	15000kgs	33070lbs
Transport width	2.75m	9'	2.75m	9'
Transport length	12.45m	40'6"	12.45m	40'6"
Transport height	3.2m	10'4"	3.5m	12'11"
Working width	11.29m	36'8"	11.29m	36'8"
Working length	13.68m	44'6"	13.68m	44'6"
Working height	4.5m	14'8"	4.76m	15'6"

Chieftain 1400



Chieftain 1700



The Powerscreen® Chieftain 1400 is Powerscreen's most popular mobile screening product in the Chieftain range. With proven features such as the patented 4 bearing screenbox, hydraulic screen angle adjustment, user friendly screen access walkways, hydraulic folding conveyors and fully mobile track and wheel chassis configurations. The Chieftain 1400 is the obvious choice for mid-sized operators and contractors in the mining, quarrying and recycling industries.

Output Potential: up to 400 tph (441 US tph)*

Features

- Patented 4 bearing screen box
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Radio controlled tipping grid
- Screen walkway and access ladder
- Engine protection shut down system
- Integrated high capacity variable speed belt feeder
- Fully CE approved

Options

- Wheeled or tracked
- Single or double deck vibrating grizzly
- Shredder
- Hydraulic screen tensioning
- Radio controlled tracking
- Diesel hydraulic or electric hydraulic drive, wheel version
- 12 ft or 14ft hopper
- Wheeled bogie for track machine
- Hydraulic jacking legs

*Depends on application

Chieftain 1400 (12' Hopper)	Track		Wheeled	
	Weight (est)	25200kgs	55400lbs	21760kgs
Transport width	2.75m	9'	2.75m	9'
Transport length	13.95m	45'9"	15.59m	51'1"
Transport height	3.2m	10'6"	3.9m	12'8"
Working width	16.21m	53'2"	16.21m	53'2"
Working length	15.8m	51'9"	17.33m	56'10"
Working height	4.97m	16'4"	5.3m	17'5"

The new Powerscreen® Chieftain 1700 is a mid-sized, track mobile unit, available with 2 or 3 decks to compliment the Chieftain 1400 & new Chieftain 2100X products and adding to the already hugely popular Powerscreen® Chieftain range.

Key features of the Powerscreen® Chieftain 1700 are:

- NEW 2-bearing screenboxes, 2 deck & 3 deck
- NEW fold out screen walkways
- NEW powerunit featuring a transverse engine arrangement to aid access & serviceability
- NEW patent pending, fully mounted hydraulic folding oversize auxiliary conveyor for oversize material stockpiling (3 deck model), (no crane required during setup)
- Extended conveyors resulting in increased stockpiling capacity

Output Potential: up to 500 tph (551 US tph)*

Features

- Radio controlled tipping grid
- Grease filled 2-bearing screen box
- Integrated high capacity variable speed belt feeder
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Screen walkway and access ladder
- New patent pending fully mounted hydraulic folding auxiliary stockpile conveyor (3 deck)
- Engine protection shutdown system
- Fully CE approved

Options

- 2 deck or 3 deck
- Hydraulic screen tensioning
- Quick release screen wedge tensioning
- 12ft or 14ft hopper
- Single or double deck vibrating grizzly
- Shredder
- 4th recirculation conveyor attached for transport (3 deck)
- Radio controlled tracking
- Wheel bogie for track machine
- Hydraulic jacking legs

*Depends on application

Chieftain 1700: (3 Deck/ 12ft hopper)	Track	
	Weight	27000kgs
Transport width	3.0m	9'10"
Transport length	16.178m	53'1"
Transport height	3.415m	11'2"
Working width	17.454m	57'3"
Working length	16.61m	54'6"
Working height	5.837m	19'2"

Chieftain 2100 X



Chieftain 2400



The high performance Powerscreen® Chieftain 2100X mobile screen represents the next generation of the hugely successful Chieftain 2100. Key improvements include increased screening area & screening angle, a new screenbox drive mechanism; extended fines stockpile capacity and a new powerunit featuring a transverse engine arrangement to aid access & serviceability. Oversize material stockpiling is facilitated on the 3 deck version using a Patent pending, fully mounted hydraulic folding auxiliary conveyor.

Output Potential: up to 600 tph (661 US tph)*

Features

- New grease filled 2-bearing screenboxes
- New Screenbox drive mechanism
- New screen mesh access system for quicker mesh changes
- New screen walkways and access ladder
- Hydraulic screen angle adjustment
- Integrated high capacity variable speed belt feeder
- Hydraulic folding conveyors
- Extended fines conveyor resulting in increased fines stockpiling capacity
- Patent pending fully mounted hydraulic folding auxiliary stockpile conveyor, for oversize material stockpiling (3 deck only), (no crane required during setup)
- New powerunit featuring a transverse engine arrangement to aid access & serviceability
- Integrated high capacity variable speed belt feeder
- Radio controlled tipping grid
- Engine protection shutdown system
- Fully CE approved

Options

- 2 deck or 3 deck
- Radio controlled tracking
- Quick release screen wedge tensioning
- Hydraulic screen tensioning
- Single or double deck vibrating grizzly
- Optional 4th recirculation conveyor attached for transport (3 deck)
- Wheel bogie for track machine
- 12 or 14ft (3.6m x 4.3m) hopper
- TUV Compliance

*Depends on application

Chieftain 2100X: (3 Deck with 12ft hopper model)	Track	
Weight (est)	37200kgs	82012lbs
Transport width	3.0m	9'10"
Transport length	17.4m	57'1"
Transport height	3.45m	11'4"
Working width	18.245m	59'10"
Working length	18.630m	61'1"
Working height	6.677m	21'11"

This is Powerscreens largest mobile screening product in the Chieftain Range. With higher stockpile heights, larger screening areas and user-friendly conveyor systems, the Chieftain 2400 offers the mining, quarrying and recycling industries a true giant in screening plants. The Chieftain 2400 can accept a material feed of up to 6" (150mm).

Output Potential: up to 700 tph (771 US tph)*

Features

- Oil bath 2 bearing screen box
- 2 or 3 deck screen box
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Screen walkway and access ladder
- Engine protection shutdown system
- Fully CE approved

Options

- Auxiliary conveyor for recycling oversize (Transported separately)
- Short auxiliary conveyor for stockpiling (Transported separately)
- Quick release screen wedge tensioning
- Radio controlled tracking
- Wheel bogie for track machine
- Hydraulic jacking legs

*Depends on application

Chieftain 2400:	3-Deck	
Weight	39000kgs	85980lbs
Transport width	3m	9'10"
Transport length	15.65m	51'5"
Transport height	3.6m	11'10"
Working width	15.36m	50'5"
Working length	17.35m	56'11"
Working height	6.45m	21'2"

Warrior 1400

Warrior 1800 Warrior 1800 Radial



Warrior Range

The Powerscreen® Warrior mobile screen range is designed to handle heavier materials than the Chieftain range. Warriors will screen, 3-way split and stock pile a variety of materials in demanding and difficult applications. The choice of screen media makes it a diverse product which is especially at home in recycling, construction & demolition aggregates and top soil applications.

Warrior 1400

Output Potential: up to 400 tph (441 US tph)*

Features

- Grease filled 2 bearing screen box
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Jack up screen to facilitate mesh changes
- Hydraulic retractable oversize conveyor for ease of mesh change
- Hydraulic folding hopper sides
- Screen walkway & access ladder
- Engine protection shut down system
- Integrated high capacity variable speed belt feeder
- Fully CE approved

Options

- Quick release screen wedge tensioning
- Radio controlled tracking
- Finger Deck
- Punch Plate
- Bofar Bar
- Self clean ball deck system
- Integrated high capacity variable speed apron feeder
- Horizontal belt
- 2 way split tail conveyor

*Depends on application

Warrior 1400:	Incline Feeder		Horizontal Feeder	
Weight (Belt Feeder)	25600kgs	56438lbs	26000kgs	57320lbs
Transport width	2.75m	9'	2.75	9'
Transport length	14.25m	46'9"	16.04m	52'8"
Transport height	3.2m	10'6"	3.28m	10'9"
Working width	11.88m	39'	11.81m	38'9"
Working length	13.51m	44'4"	14.33m	47'
Working height	3.75m	12'14"	4.43m	14'6"

Output Potential: up to 500 tph (551 US tph)*

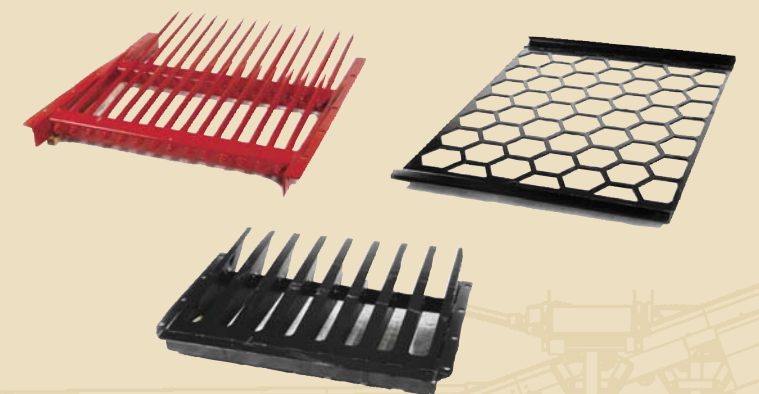
Features

- Grease filled 2 bearing screen box
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Jack up screen to facilitate mesh changes
- Hydraulic retractable oversize conveyor for ease of mesh change
- Hydraulic folding hopper sides
- Screen walkway & access ladder
- Engine protection shut down system
- Integrated high capacity variable speed belt feeder
- Fully CE approved

Options

- Warrior 1800 Radial machine
- Quick release screen wedge tensioning
- Radio controlled tracking
- Finger Deck
- Punch Plate
- Bofar Bar
- Self clean ball deck system
- Integrated high capacity variable speed apron feeder
- Horizontal belt or Apron feeder
- 2 way split tail conveyor

*Depends on application



Warrior 1800: (Belt feeder)	Incline Feeder		Horizontal Feeder	
Weight (est)	30000kgs	66139lbs	32500kgs	71650lbs
Transport width	2.9m	9'6"	2.9m	9'6"
Transport length	15.52m	50'11"	16.71m	54'10"
Transport height	3.4m	11'2"	3.4m	11'2"
Working width	12.62m	41'5"	12.6m	41'4"
Working length	14.45m	47'5"	15.28m	50'2"
Working height	4.15m	13'8"	4.31m	14'2"

Horizon 5163 Horizon 6203

Horizon 5163 R Horizon 6203 R (Recirculating Models)



The Powerscreen® Horizon range feature horizontal screens ideal for handling high volumes of sticky materials and for the exact, fine sizing demanded for many construction contracts. Powerscreen® Horizon range is ideal in applications such as natural & crushed aggregate, coal, iron ore, overburden, recycled concrete and asphalt.

The adjustable elliptical throw combines linear and circular amplitude producing an aggressive screening action. Powerscreen® Horizon products are especially effective for scalping after a primary impact or jaw crusher and really have outstanding performance when screening out specific small sizes.

The Powerscreen® Horizon range includes the 5163 and 6203 mobile units which have a quick set up time and include 4 attached stockpiling conveyors giving 4 specific grades of material.

The maximum feed size for both models is 10" (250mm).

Output Potential: Horizon 5163: up to 600 tph (661 US tph)*
Horizon 6203: up to 800 tph (882 US tph)*

Features

- Heavy duty triple shaft screenboxes with adjustable stroke
- Oil bath screenbox bearing lubrication
- Elliptical throw (adjustable 16 - 19mm / 0.55 - 0.75 inches)
- 4-way split
- Track mobile
- Fully mounted hydraulic folding stockpiling conveyors
- High capacity variable speed direct feed belt feeder
- Heavy duty hopper
- Screen walkway & access ladder
- Diesel hydraulic powerunit
- Heavy duty, low ground pressure tracks
- Engine protection & shut down system
- Fully CE approved

Options

- Variable speed apron feeder
- Radio Control tracks
- 5th Wheel mobile
- Roll in bogie
- TUV compliant

*Depends on application

	Horizon 5163		Horizon 6203	
Weight (est)	36500kgs	80469lbs	44500kgs	98106lbs
Transport width	3.0m	9'10"	3.2m	10'6"
Transport length	17.87m	58'7"	17.75m	58'3"
Transport height	3.4m	11'2"	3.6m	11'10"
Working width	16.32m	53'7"	16.25m	53'3"
Working length	18.6m	61'	18.55m	61'10"
Working height	4.63m	15'2"	4.75m	15'7"

The Powerscreen® Horizon 5163R and 6203R have been developed to give end users total control in producing very clean and specific sized small end products, such as the road building industry.

The recirculating versions extends the versatility of the Horizon range making them ideally suited for closed loop operation in crushing spreads where it is necessary for oversized material to be recirculated back to a crusher.

Output Potential: Horizon 5163R: up to 600 tph (661 US tph)*
Horizon 6203R: up to 800 tph (882 US tph)*

Features

- Heavy duty triple shaft screenboxes with adjustable stroke
- Oil bath screenbox bearing lubrication
- Elliptical throw (adjustable 16 - 19mm / 0.55 - 0.75 inches)
- 4-way split
- Track mobile
- Hydraulic folding stockpiling conveyors
- Mid-over's product tail conveyor.
- Oversize product side conveyor.
- Direct feed hopper with impact bars and rollers.
- Screen walkway & access ladder
- Diesel hydraulic powerunit
- Heavy duty, low ground pressure tracks
- Engine protection & shut down system
- Fully CE approved

Options

- Oversize product recirculating swivel conveyor used to transfer return product from recirculating crusher back to feeder (6203R only).
- Radio Control tracks
- Variable speed apron feeder
- Radio Control tracks
- 5th Wheel mobile
- Roll in bogie
- TUV compliant

	Horizon 5163R		Horizon 6203R	
Weight (est)	36500kgs	80469lbs	47500kgs	104719lbs
Transport width	3.0m	9'10"	3.2m	10'6"
Transport length	17.87m	58'7"	18.99m	64'4"
Transport height	3.4m	11'2"	3.6m	11'10"
Working width	16.32m	53'7"	16.27m	53'5"
Working length	18.6m	61'	20.87m	68'6"
Working height	4.63m	15'2"	4.53m	14'10"

Powergrid & Powertrack Range

Powertrack 800 & 1400
Powergrid 800 & 1200

Commander 1400

10 x 5ft (3m x 1.5m)
12 x 5ft (3.6m x 1.5m)



Powergrid and Powertrack range are Powerscreens smallest mobile scalping units. Despite their size, the Powergrid range of products is ruggedly constructed to process a range of materials from coal to aggregates, crushed stone or topsoil and are equally at home screening recyclable materials and demolition debris.

Output Potential: up to 600 tph (660 US tph) *

Features

- Quick set up time
- Maximum mobility with 5th wheel, jacking legs, road wheels, springs, brakes and mudguards
- High performance hydraulic system
- Angle adjustable screenbox

Options

- Finger deck
- Track (Powertrack 800 & 1400)
- Wheel (Powergrid 800 & 1200)
- Longer folding conveyor (Powergrid 1200)

*Depends on application

	Track (Powertrack 800)		Wheeled (Powergrid 800)	
Weight	19500kgs	42997lbs	16600kgs	36597lbs
Transport width	2.93m	9'7"	2.47m	8'1"
Transport length	9.96m	32'8"	10.435m	34'3"
Transport height	3.4m	11'2"	3.625m	11'10"
Working width	2.93m	9'6"	2.47m	8'1"
Working length	9.95m	32'5"	10.435m	34'3"
Working height	3.4m	11'2"	3.625m	11'9"

The Powerscreen® Commander 1400 is a high capacity mobile scalping and screening unit developed to screen material such as sand and gravel, coal and topsoil. The Commander 1400 has been engineered for quick installation and ease of relocation, ideal for short to medium term projects and can be fitted with steel mesh, rubber or polyurethane decks.

Features

- Feed hopper with reject grid
- Steel mesh, rubber or polyurethane decks
- Variable speed belt feeder
- Hydraulic coupling circuits
- Side & end tensioned screen box
- High capacity
- Easily manoeuvred

Options

- Rinser
- Shredder
- Larger engine
- Electric drive

Commander 1400:

Weight (dry version)	20200kgs	44533lbs
Weight (with Vibrating Grid)	22660kgs	49960lbs
Transport width	2.75m	9'
Transport length	13.25m	43'8"
Transport height	4m	13'1"
Working width	2.74m	9'
Working length	19.48m	63'11"
Working height	6.85m	22'6"

Mk II

Conveyors

T4026, T5032, T5036, T6532

Other Powerscreen® Products



The Mk II is a cost efficient mobile scalping and screening unit used extensively to screen material such as sand and gravel, coal and topsoil.

The Powerscreen® Mk II is a mobile screening plant and can maintain a maximum throughput of up to 250 Tonnes per hour (275 US tph)*. The machine consists of either a belt or tray feeder, a main conveyor and a two-deck screen unit.

Features

- Feed hopper with reject grid
- Steel mesh, rubber or polyurethane decks
- Variable speed belt feeder
- Hydraulic coupling circuits
- High capacity
- Easily maneuvered

Options

- Remote Tipping Grid • Shredder • 3rd deck version of the screenbox is available giving 4 way separation of raw material

Mk II:		
Weight (est)	8900kgs	19621lbs
Transport width	2.5m	8'2"
Transport length	16.6m	54'6"
Transport height	4m	13'
Working width	2.53m	8'30"
Working length	15.763m	51'72"
Working height	5.633m	18'48"

The Powerscreen® conveyor range consists of wheel, wheel radial & track mounted high capacity stockpiling conveyors, which are robust and economical to run.

The conveyor is an integral part of the Powerscreen® system and is constructed to the same high engineering specifications.

Standard Features

- Capable of handling up to 200 TPH (220 US tph)*
- Quick set up time – typically under 5 minutes
- Mobile unit with towbar and/or wheels
- High Performance hydraulic system

*Depends on application

Washing

Due to shortages of natural sand & gravel and increasingly higher aggregate specifications, many customers need to remove clay and silt from sand and gravel.

Powerscreen® offer an extensive range of mobile and static washing systems. The range includes track and wheel mobile and static washing screens such as the Chieftain Rinser Range, the Finesmaster sand classification products, Trident dewaterers, Powerscrub logwashers, feeder units and a range of stockpiling conveyors to give clean and ready to use and sell sand and gravel end products.

Recycling

Global government legislation is forcing customers to recover, reuse and recycle a wide range of materials from household waste to construction & demolition waste due to pressure on landfill sites and increasing landfill taxes.

Powerscreen® provide a large range of products for sizing, volume reduction and separation of materials. In volume reduction, the Powerscreen® Powershredder range is equally at home reducing waste volume for landfill as it is shredding timber for re-use. For the separation and sizing of construction & demolition waste, topsoil, re-useable aggregates and rubble, the Powerscreen® range of trommels are turning costs into profit worldwide in both the private waste treatment sector as well as municipal recycling centres and waste transfer stations.

Powerscreen® Genuine Parts

Once you receive your Powerscreen® product Powerscreen® want to ensure you are 100% satisfied and give you maximum 'up-time' and profit – no matter where you are in the world. Powerscreen® Genuine Parts distribution centres support Powerscreen® Dealers and equipment all over the world, with the main World Parts Centre at Dungannon, Northern Ireland and a second in Louisville, USA to support the North & South American market. Over 3,000 line items are held in stock at any one time. Using Powerscreen® Genuine Parts will guarantee the quality of the part and maximise the 'up-time' of your machine. Powerscreen® Genuine Parts are competitively priced, high quality products for use in any screen. Powerscreen® believes that the sale of a machine is the beginning...not the end!



Washing

Commander 1400
MK II
Chieftain Rinsers

Finesmasters
Static Rinsers
Powerscrub

Tridents
Feeders
Conveyors



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Commander 1400 Rinser

12 x 5

Powerscreen® is the world leader in mobile screening. Powerscreen® mobile screens are used in variety of global industries – from mining, quarrying and aggregate extraction to recycling and waste management.

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Washing:

Due to shortages of natural sand & gravel and increasingly higher aggregate specifications, many customers need to remove clay and silt from sand and gravel.

Powerscreen® offer an extensive range of mobile and static washing systems. The range includes mobile and static washing screens such as the Chieftain Rinser range, the Finesmaster sand classification systems, Trident dewaterers, Powerscrub logwashers, feeder units and various stockpiling conveyors to give clean, ready to use and sell, sand and gravel end products.

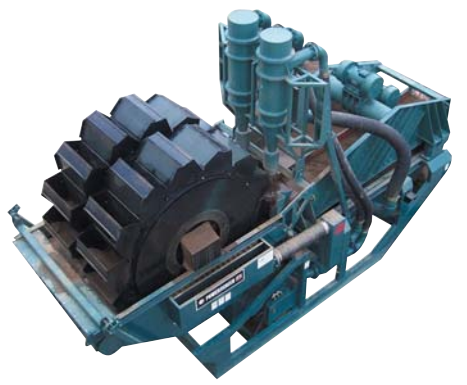
Washing Applications:

- Sand & Gravel
- Coal
- Crushed Material
- Slag
- Recycling Material
- All Forms of Concrete, Mortar and Asphalt Sands
- Quarry Dust/Crushed Fines
- Iron Ore
- Lake & Beach Sands
- Silica Sand for Glass Industry
- Gold Course Sands
- Filter Bed Sands



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The Powerscreen® Commander 1400 is a high capacity mobile washing screen that includes a feed hopper complete with reject grid, feed conveyor, washing screen and fully enclosed powerunit. The Commander 1400 has been engineered for quick installation and ease of relocation, ideal for short to medium term projects.

Features

- 6 Top Deck & 6 Bottom Deck Spaybars.
- Deutz engine BF4M2012 73KW (97HP) @ 2200rpm
- Variable speed belt feeder
- Approved braking and axle with leaf spring suspension
- Remote control tipping grid
- Hydraulic screen angle adjustment
- 14 ft (4.27m) feed hopper
- 12 x 5 Screenbox (1.5m x 3.65m)
- Polyurethane modular screen panels
- Deutz engine TCDZ013 106KW (142HP)
- Electric hydraulic drive

Options

- 2 & 3 deck
- Part rinser
- Screen walkway & access ladder
- Heavy duty 10" (250mm) sand slurry pipes
- Rubber screens
- Wear areas rubber lined

Commander:		
Weight (12x5 2 deck)	21200kgs	46640lbs
Transport width	2.75m	9'
Transport length	10.75m	35'3"
Transport height	3.995m	13'
Working width	2.72m	9'11"
Working length (12x5 2 deck)	20.66m	68'4"
Working height	6.9m	22'6"

Chieftain 1400 Rinser



Chieftain 2100 Rinser



The Powerscreen® Chieftain 1400 & 2100 Rinser products are track mounted, fully mobile washing screens complete with on board side conveyors. Designed to work with the Powerscreen® range of washing equipment they can work independently or as part of an entire wash plant. By replacing the slurry catchbox with a standard tail conveyor Chieftain Rinsers can easily convert to dry screening mode. Ideal for short to medium term projects, the Chieftain Rinser range are the most flexible mobile rinsing units on the market.

Chieftain 1400 Rinser

Features

- Five top deck and five bottom deck spray bars.
- Wash box complete with spray bar.
- Split bottom deck to produce one or two grades of sand.
- Slurry Catchbox
- Patented 4 bearing screen box
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Radio controlled tipping grid
- Screen walkway and access ladder

Options

- Heavy duty slurry transfer pipes.
- Tail Conveyor for dry screening.
- Wheeled or tracked
- Single or double deck vibrating grizzly
- Hydraulic screen tensioning
- Radio controlled tracking
- Diesel hydraulic or electric hydraulic drive, wheel version
- 12 ft or 14ft hopper

Advantages

- **Flexibility.** The Chieftain Rinser can be easily converted back to a by replacing the catchbox with a tail conveyor.
- **Mobility.** The machine has been engineered for quick installation and ease of relocation. Split bottom deck allows for production of two grades of sand.
- **Ease of set-up** and ability to relocate means the machine is ideally suited for short to medium term projects. Suitable for contractors and hire fleets.
- By placing a double deck vibrating grid on the feeder four sized washed products can be produced.

Chieftain 1400 Rinser:	Track		Wheeled		
	Weight	25200kgs	55400lbs	21760kgs	47900lbs
Transport width	2.75m	9'	2.75m	9'	
Transport length	13.95m	45'9"	15.59m	51'1"	
Transport height	3.2m	10'6"	3.9m	12'8"	
Working width	16.21m	53'2"	16.21m	53'2"	
Working length	15.8m	51'9"	17.83m	58'8"	
Working height	4.965m	16'4"	5.3m	17'4.5"	

Features

- Side tension top & middle deck 6.1m x 1.55m (20' x 5')
- End tension bottom deck 4.8m x 1.5m (16' x 5')
- Hydraulic lowering catchbox provides easy access for screen changing
- 8 off top & middle deck spraybars
- 6 off bottom deck spraybars
- Spraybars fitted with brass nozzles
- Washbox and spraybar
- Galvanized walkway & handrails

Options

- 2 deck Rinser
- Rubber tension decks
- Rubber lined wear plate in wash box
- Rubber lined catch box with adjustable division plates
- Heavy duty 250mm sand slurry pipes
- 1200mm (48") wide hydraulic folding tail conveyor

Advantages

- Machine can be easily adapted for dry screening
- Catchbox can be hydraulically lowered for changing screens without removing sand slurry pipes
- Top deck spraybars are mounted under mainframe this eliminates the need for removal when transporting
- High pressure brass nozzles deliver clean end product
- Can work in conjunction with the Powerscreen® range of sand processing equipment
- Processing of material near point of extraction
- High capacity (depending on mesh size and material type)
- Quick set up time
- High performance hydraulic system

Chieftain 2100 3 Deck with 12ft hopper

Weight	33080kgs	71676lbs
Transport width	2m	9'5"
Transport length	17.258m	56'7"
Transport height	3.45m	11'4"
Working width	18.245m	59'10"
Working length	18.505m	60'9"
Working height	5.695m	18'8"

MK II Rinsers

8x4 (1.2m x 2.4m) 2 & 3 Deck

Static Range

8x4 (1.2m x 2.4m) 2 & 3 Deck
 10x5 (1.5m x 3.0m) 2 & 3 Deck
 12x5 (1.5m x 3.5m) 2 Deck

16x5 (1.5m x 4.8m) 2 & 3 Deck
 20x6 (1.8m x 6m) 2 & 3 Deck



The MKII Rinsers is an excellent entry level mobile screening unit that is highly robust yet compact and easily manoeuvrable. The MKII Rinsers includes a feed hopper complete with reject grid, feed conveyor, washing screen and fully enclosed power unit. The straightforward proven design ensures low maintenance, low running costs and trouble free running.

Features

- 2 deck 8x4' (1.2 x 2.4m) side tensioned screen.
- 5 top and 5 bottom deck spray bars.
- Washbox c/w spraybar.
- Deutz F3L1011F 26KW (35HP) engine.
- Variable speed control belt feeder.
- 100mm (4") water feed pipe.
- Hydraulic coupling circuit.

Options

- Hydraulic tipping grid.
- 3 deck rinsers.
- Part rinsers.
- Deutz engine F4L1011F 35KW (50 HP).
- Polyurethane modular screen panels.
- Electric hydraulic drive.
- Rubber screen panels.
- Heavy duty 8" (200mm) sand slurry transfer pipes.

MK II Rinsers:

Weight	6820kg	15000lbs
Transport width	2.5m	8'3"
Transport length	16.9m	55'5"
Transport height	4m	13'2"
Working width	2.5m	8'3"
Working length	16.749m	55'3"
Working height	5.942m	19'7"

All Powerscreen® Dry and Washing static boxes are designed with the most advanced design systems available and are riveted to eliminate stress areas created by welding. The static structure that carries the screen unit is robust, easy to assemble and includes integrated material discharge chutes.

Features

- Rinsers boxes side tensioned.
- Electric drive.
- Galvanised walkway, hand rails and access steps.
- Rolling chute system for ease of maintenance.
- Plastic fan tail spray nozzle.

- Rubber screens.
- Wear areas rubber lined.
- Inline water filter.
- Heavy duty sand slurry transfer pipes.
- Hydraulic drive.
- Catch boxes / transfer boxes.
- Wedge screen tensioning for quick and easy mesh changes.

Options

- Part Rinsers.
- Polyurethane modular screen panels.

2-Deck Options:	8x4	10x5	12x5	16x5	20x6
Weight (approx)	5000kgs/11023lbs	7500kgs/16534lbs	8000kgs/17636lbs	13000kgs/28660lbs	15000kgs/33069lbs
Working width	4m/13'	4m/13'	4m/13'	4m/13'	4.7m/15'4"
Working length	10.5m/34'6"	10.5m/34'6"	11.015m/36'2"	13.3m/43'9"	15.36m/50'4"
Working height	6.17m/20'	6.17m/20'	6.3m/20'8"	6.64m/21'9"	7.36m/24'2"

3-Deck Options:	8x4	10x5	16x5	20x6
Weight (approx)	6300kgs / 13860lbs	8600kgs / 18920lbs	14500kgs / 31900lbs	17000kgs / 37400lbs
Working width	4m / 13'	4m / 13'	4m / 13'	4.7m / 15'4"
Working length	10.5m / 34'6"	10.5m / 34'6"	13.3m / 43'9"	15.36m / 50'4"
Working height	6.78m / 22'2"	6.67m / 21'8"	7.14m / 23'4"	7.82m / 25'6"

Finesmaster Bucket Wheel Range

Finesmaster 60
Finesmaster 120
Finesmaster 200



Finesmaster Compact Range

Finesmaster 60 Compact
Finesmaster 120 Compact
Finesmaster 200 Compact



The Powerscreen® range of Finesmaster sand classification systems are the most efficient sand dewatering units available on the market. These products remove silts, slimes and clays from sand to bring it into specification. The Finesmaster machine with Bucket wheel consists of 4 key elements;

1. Bucket Wheel(s).
2. Sump and Rubber lined slurry Pump.
3. Rubber lined Hydro Cyclone(s).
4. High Frequency Dewatering Screen.

The key advantage of the Finesmaster machines are their ability to dewater sand, with maximum removal of water and at the same time retain maximum amount of fine saleable product.

Advantages

- 1 or 2 grades of material produced.
- Bucket wheel performs 80 – 90% of work, therefore keeping pump and cyclone wear to a minimum.
- 96 – 98% recovery of all material above 75µm (200 mesh).
- 100% recovery of all material above 150µm (100 mesh).
- Complete sand / fines recovery & dewatering in a single unit.
- Major reduction in saleable material discharging to ponds, reducing pond maintenance & saving money.

- Major reduction in moisture content of finished material. Typically 10 – 15%. Material is ready for loading.
- Mobile version available on Finesmaster 120.
- High capacity throughput.

Finesmaster Bucket Wheel:	60		120		200	
Weight	8000kgs	17600lbs	15000kgs	33000lbs	17000kgs	37400lbs
Working width	3.7m	12'	2.95m	9'7"	3.3m	10'8"
Working length	6.9m	22'6"	9.6m	31'4"	7.86m	25'8"
Working height	5.5m	18'	4.9m	16'	6.1m	20'

The Powerscreen® Compact range of Finesmasters are today's most efficient, cost effective and energy conscious on the market. These systems have been engineered for quick installation and consist of three key elements;

1. Sump and Rubber lined slurry Pump.
2. Rubber lined Hydro Cyclone(s).
3. High Frequency Dewatering Screen.

The Finesmaster Compact range use centrifugal force within the cyclone(s) to remove clays, silts and slime from sand to bring it into specification.

Advantages

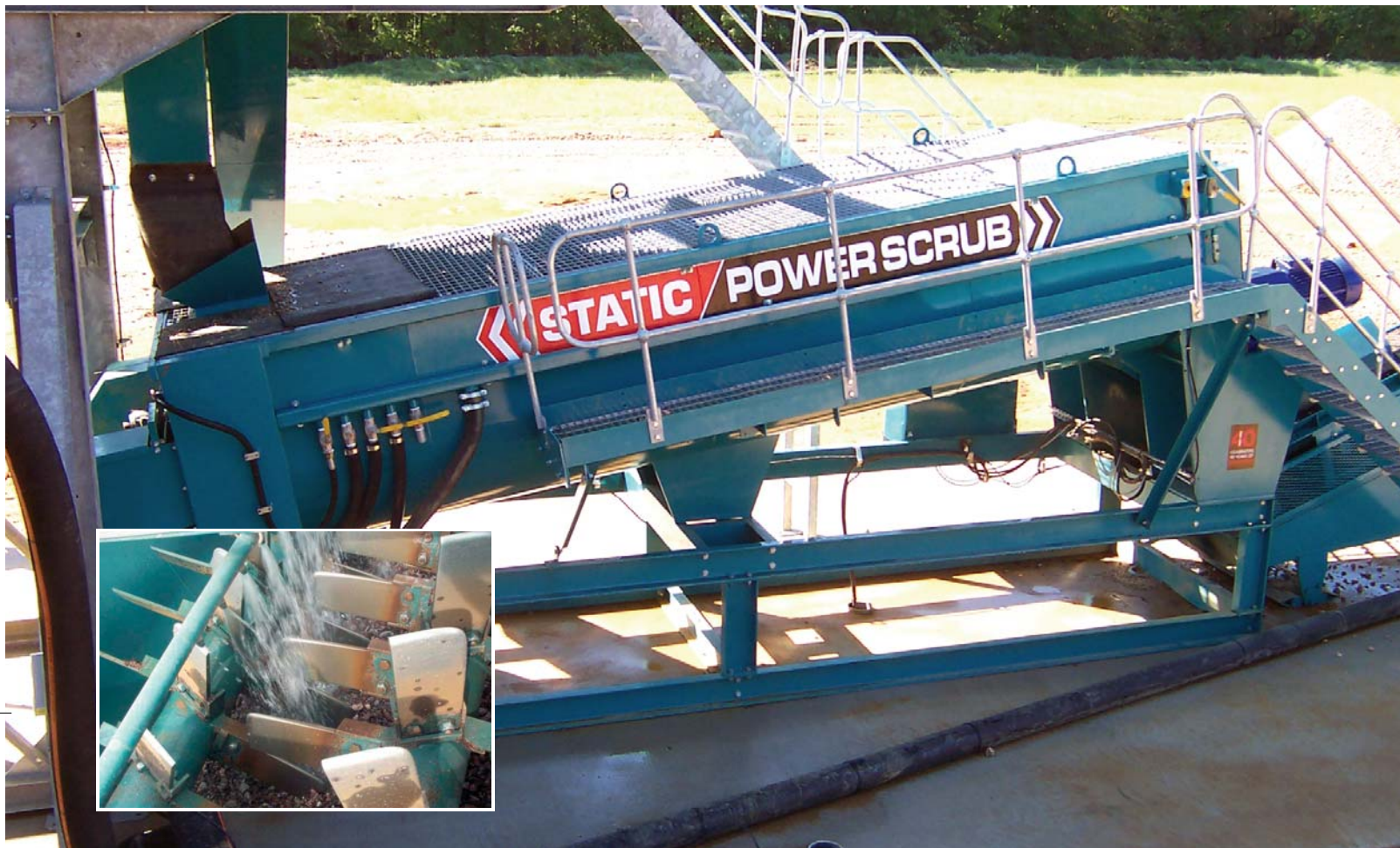
- 96 – 98% recovery of all material above 75µm (200 mesh).
- Removes silt, slimes and clays below 75µm (200 mesh).
- Removes water following dewatering operation to 10–15% of residual water content.
- Major reduction in saleable material discharging to the pond, thus reducing pond maintenance and saving money.

- Heavy-duty robust construction ideal for rugged operating environment.
- Processing of sand or similar materials near point of extraction.

Finesmaster:	60		120		200	
Weight	5500kg	12125lbs	11000kgs	24250lbs	13000kgs	28660lbs
Working width	2.7m	8'10"	3.8m	12'6"	3.8m	12'6"
Working length	5.66m	21'10"	6.2m	20'4"	6.3m	20'7"
Working height	6.06m	19'10"	6.2m	20'4"	6.2m	20'4"

Powerscrub 120

Powerscrub 120R



Powerscreen® Powerscrub Range

The scrubbing process takes washing one step further. Rinsing may not give the desired cleanliness, especially when dry and other deleterious materials are present, so the process of high speed scrubbing is now the accepted method. The Powerscreen® Powerscrub works on the principle of working material against material to remove clay and other material from the stone before going to the next stage. Optional sieve bends can be added to suit recycling applications to separate floating contaminants from the water on which it is floating.

Powerscrub 120

Features

- Dual Electric Drive 2x22Kw.
- Two inclined rotating shafts which rigorously mill and agitate the material.
- Interchangeable high tensile blades.
- Material bed in the hull prevents wear in the steel trough.
- Water flushed lower bearings prevent wear or damage from small particles.
- Elevated spray bar, which constantly adds water to the material.
- Agitation encourages light particles, slits and clays to float through the water exit.
- Rubber lined input chute.
- Safety flow-forge panels over shafts.

Options

- Static or Mobile.
- Folding tail conveyor to stockpile product.
- Fold up walkways on both sides.
- Polyurethane screen and catch box at discharge end.
- Sieve bends to suit recycling applications to separate floating contaminants from the water on which it is floating. (120R)
- Six cylinder Perkins generator on Mobile machine.

The Powerscreen® Powerscrub 120R has been specifically designed to work in recycling and demolition applications and separates contaminants from saleable material. Its versatility and design enables it to be easily adapted to work in gravel applications. An 8x4 dewatering screen removes excess water from the material before the final screening and a 6x2 dewatering screen separates lighter particles from the water.

Added Features & Advantages

- Integrated trash dewatering screen.
- Integrated Aggregate washing screen.
- Adjustable weirs at water outlet.
- Feed Splitter Box
- High level structure
- Access steps and walkways

Powerscrub 120R (including frame)

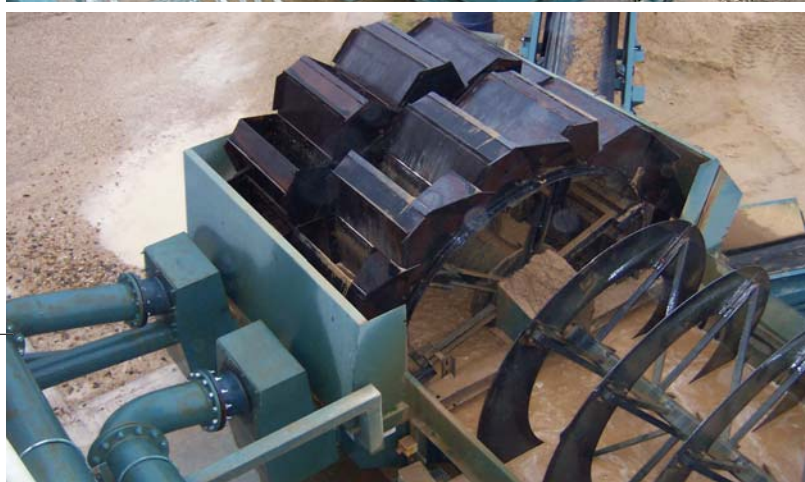
Weight	17000kg	37478.54lbs
Working width	3.5m	11'6.2"
Working length	12.134m	39'9.7"
Working height	5.389m	17'8.2"

Trident Range

- Trident 1
- Trident 2
- Trident x2

Feeders

- Chieftain 600
- Chieftain 1400



Trident bucket wheel dewaterer removes water from sand and at the same time removes clays, silt and slimes. Manufactured by Powerscreen® for over 30 years, Trident dewaterers are the most efficient, cost effective method on the market. Tridents can be driven hydraulically from a Commander or MKII or from its own optional electric power pack.

Features

- Rubber lined Slurry intake boxes.
- High Capacity variable speed bucket wheel.
- Deep fluted fines recovery screw with variable speed.
- Extended weir length to maximise fine material retention.
- Water agitation system to remove fines were necessary.
- Mobile for ease of relocation.
- Hydraulic or optional electric drive.

Advantages

- Low running cost.
- Can produce one or two grades.
- Excellent fines recovery.
- High capacity.

Trident:	1		2		x2	
Weight	5000kg	11020lbs	7480kg	16800lbs	8660kg	19090lbs
Working width	3.67m	12'	4.21m	13'10"	4.21m	13'10"
Working length	4.765m	15'8"	6.53m	21'5"	7.685m	25'3"
Working height	3.52m	11'6"	3.663m	12'1"	3.673m	12'1"

Powerscreen® Feeders are required to eliminate surges and ensure a constant feed is maintained to the dry screening or washing screen. Feeders available are based on the chieftain 600 and 1400 models. Hopper extensions can be added to increase volume.

Features

- 4.6m3 (6 cu yds) hopper capacity (chieftain 600)
- 1050mm (42") 3 ply belt (Chieftain 1400)
- 800mm (32") 3 ply belt (Chieftain 600)
- 6.3m3 (8.2 cu yds) hopper capacity (chieftain 1400)
- Hydraulic Drive
- Self adjusting belt cleaner
- External Belt adjustment
- Adjustable support legs
- Remote greasing
- Working angle 10 – 30 degrees
- Disc return Rollers
- Adjustable hopper door

Options

- Electric drive
- Electric / hydraulic drive (Powerpack)
- Hopper extensions
- Manual tipping Grid
- Remote control tipping grid
- Impact rollers
- Crash plate for crusher feed

Feeder:	600		1400	
Length	3.68m	12'1"	4.47m	14'6"
Width	1.91m	6'3"	1.91m	6'3"
Height	2.75m	9'	3.03m	9'9"
Weight	3000kg	6600lbs	4500kg	9900lbs

Conveyors

T4026 | T5036
T5032 | T6532

Other Powerscreen® Products



Powerscreen® mobile conveyors are designed to work in conjunction with the entire range of Washing, Dry Screening and Recycling equipment. Conveyors can be either electric or hydraulic driven. Their ability to radial increases stockpile capacity and reduces on site material handling.

Conveyors:	T4026	T5032	T5036	T6532
Weight	1960kg (4320 lbs)	2200kg (4850lbs)	4200kg (9240lbs)	4800kg (10500lbs)
Width	2.5m	2.5m	2.5m	2.5m
Length working	11.6m	14.3m	14.3m	19.48m
Length transport	8.81m	11.3m	11.3m	11.97m
Height (stockpile max.)	5.25m	6.9m	6.9m	8.5m
Stockpile Capacity:				
- Static	155cu m (203 cu yd)	482 cu m (630 cu yd)	482 cu m (630 cu yd)	450cu m (590 cu yd)
- Radial	460 cu m (602 cu yard)	962 cu m (1258 cu yard)	962 cu m (1258 cu yard)	

Dry Screening

Dry Screening is the separation of material into different sized products. The material is separated by passing it through a vibrating "screen box" which has a number of different-sized screens, or meshes - which the material falls through like a sieve. The material falls onto attached conveyors which stockpile the end products. The end products can then be used in the building and construction industries. In the rugged world of aggregate extraction, coal processing, construction & demolition waste, recycling and materials reclamation, Powerscreen® leads the way. A number of Dry Screening product ranges are available, from small and compact equipment right up to heavy-duty, high output productivity. All Powerscreen® equipment is built to have a long active life and for easy serviceability.

Recycling

Global government legislation is forcing customers to recover, reuse and recycle a wide range of materials from household waste to construction & demolition waste due to pressure on landfill sites and increasing landfill taxes. Powerscreen® provide a large range of products for sizing, volume reduction and separation of materials. In volume reduction, the Powerscreen® Powershredder range is equally at home reducing waste volume for landfill as it is shredding timber for re-use. For the separation and sizing of construction & demolition waste, topsoil, re-useable aggregates and rubble, the Powerscreen® range of mobile screening plants are turning costs into profit world-wide in both the private waste treatment sector as well as for municipal recycling centres and waste transfer stations.

Powerscreen® Genuine Parts

Once you receive your Powerscreen® product Powerscreen® wants to ensure you are 100% satisfied and give you maximum 'up-time' and profit - no matter where you are in the world. Powerscreen® Genuine Parts distribution centres support Powerscreen® Dealers and equipment all over the world, with the main World Parts Centre at Dungannon, Northern Ireland and a second in Louisville, USA to support the North & South American market. Over 3,000 line items are held in stock at any one time. Using Powerscreen® Genuine Parts will guarantee the quality of the part and maximise the 'up-time' of your machine. Powerscreen® Genuine Parts are competitively priced, high quality products for use in any screen. Powerscreen® believes that the sale of a machine is the beginning...not the end!



Recycling

Trommel Range
Powershredder Range



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Product performance figures given in this brochure are for guidance purposes only, this information does not constitute an expressed or implied warranty or guarantee, but shows test examples provided by Dealers. These results will vary depending on mesh sizes, feed source and types of material being screened.

Photographs are for illustrative purposes only, some or all of the machines in the illustrations may be fitted with optional extras.

Please check with your Dealer for details on optional extras.

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Trommel 511

Powerscreen® is the world leader in mobile screening. Powerscreen® mobile screens are used in variety of global industries - from mining, quarrying and aggregate extraction to recycling and waste management.

Powerscreen® have been providing equipment since 1966 and have kept ahead through market leading innovations, customer driven research & development, stringent quality management and enviable global after sales support.

From individual mobile machines to massive multi-unit plant installations, Powerscreen® engineering expertise provides the solution to any screening, recycling, washing or materials processing problem.

Part of Terex, one of the world's largest construction equipment manufacturers, Powerscreen® combine industry experience and engineering know-how with a continuous development programme. From a modern and ever-growing production facility at the corporate headquarters in Dungannon, Northern Ireland, equipment proudly carrying the Powerscreen® name is exported all over the world through over 100 appointed Dealers.

Recycling:

Global government legislation is forcing customers to recover, reuse and recycle a wide range of materials from household waste to construction & demolition waste, due to pressure on landfill sites and increasing landfill taxes.

Powerscreen® provide a large range of products for sizing, volume reduction and separation of materials. In volume reduction, the Powerscreen® Powershredder range is equally at home reducing waste volume for landfill as it is shredding timber for re-use.

For the separation and sizing of construction & demolition waste, topsoil, re-useable aggregates and rubble, the Powerscreen® range of mobile trommels are turning costs into profit world-wide in both the private waste treatment sector as well as for municipal recycling centres and waste transfer stations.

Recycling Applications:

- Extracted Aggregates Debris
- Construction & Demolition Waste
- Wood
- Green Waste
- Household Waste
- Industrial Waste
- Municipal waste
- Topsoil
- Compost
- Woodchip



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The Powerscreen® Trommel 511 is a high capacity unit which is targeted at the smaller operation looking for a low-cost entry into the screening market. A compact machine with a fast set-up, the Trommel 511 is extremely versatile, being capable of efficient and cost-effective screening and stockpiling of materials.

Features

- Low loading hopper
- Hydraulic oil cooler
- High performance cast iron hydraulic system
- Variable speed drum control
- Combustion air pre-cleaner
- Variable speed feed belt control
- Approved sprint braking axle

Options

- Electric / Hydraulic drive (wheel only)
- Cooling air pre-cleaner
- Wheel or track
- TUV

Trommel 511:	Track		Wheeled	
	Weight	32408lbs	11870kg	26168lbs
Transport width	2.55m	8'4"	2.49m	8'2"
Transport length	9.071m	29'9"	10.604m	34'9"
Transport height	3.33m	10'11"	3.5m	11'5"
Working width	10.25m	33'8"	10.25m	33'8"
Working length	10.457m	34'4"	11.903m	39'1"
Working height	3.523m	11'6"	3.748m	12'3"

Orion 1400



Trommel 615



The Powerscreen® Orion 1400 is a small compact tracked machine that is easily transported on low loader and is also available as a wheel machine. It has been designed and manufactured specifically for topsoil, wood chippings and compost applications.

Features

- 4 wheel trommel drive system
- Hydraulic folding conveyors
- Hydraulic jacking legs assist set up
- Side shift removable trommel drum
- Hydraulic slide out power unit
- Drum can rock to relieve blockages
- Low maintenance and quick set up time
- Higher flow rate gives more power to four motors

Options

- Remote control tipping grid
- Punched plate one piece drum with spiral
- Remote control tracks
- TUV

Orion 1400:	Track		Wheeled	
	Weight	12500kgs	27557lbs	11400kgs
Transport width	2.7m	8'10"	2.55m	8'4"
Transport length	8.95m	29'5"	10.2m	33'6"
Transport height	3.2m	10'6"	3.35m	11'
Working width	6.49m	21'4"	6.49m	21'4"
Working length	12.29m	40'4"	13.68m	44'11"
Working height	1.74m	5'8"	3.18m	10'6"

The Trommel 615 is ideal for topsoil, compost, skip waste and construction & demolition waste. The Powerscreen® trommel range is arguably one of the largest in the industry and is designed and built for the screening and stockpiling of recyclable and waste materials.

Features

- Hydraulic folding conveyors
- Remote swivel fines conveyor
- Quick change screen drum
- Universal Drum Drive adjustment
- Hydraulically adjusted independent trommel brushes
- Heavy duty pendant track remote control
- Hydraulic jacking legs assist rapid set up
- Complete CE specification

Options

- Remote control tipping grid
- Single or double vibrating grizzly
- Punched plate screens
- Radio control tracks
- Track or Wheel
- TUV
- Static versions

Trommel 615:	Track		Wheeled	
	Weight	21400kgs	47178lbs	19500kgs
Transport width	2.7m	9'2"	2.7m	9'2"
Transport length	13m	42'6"	13.2m	43'4"
Transport height	3.4m	10'10"	4.0m	13'4"
Working width	2.7m	9'2"	2.7m	9'2"
Working length	19.74m	64'9"	19.74m	64'9"
Working height	3.4m	10'10"	4.0m	13'4"

Phoenix 1200

Phoenix 1600



The Powerscreen® Phoenix range of trommels now consist of 4 machines to satisfy various volumes of outputs required from 165 tph right up to 661 tph (depending on application). These wheeled machines with their radial fines conveyors have large stockpiling capacities. The Phoenix range is ideal for topsoil, wood chippings and compost applications.

Phoenix 1200

Features

- 4 wheel trommel drive system
- Direct drive system
- Hydraulic variable speed control
- Reversible operation to clear blockages
- Hydraulic 'kick-out' to prevent barrel stalling
- Variable speed control on Trommel Drum
- Quick change of drum - Drum lifted straight out of Trommel frame
- Drum can rock to relieve blockages
- Low maintenance and quick set up time
- Higher flow rate gives more power to four motors
- Fines conveyor has remote control radial stock piling ability of 180 degrees

Options

- Tipping grid
- Punchplate mesh

Phoenix 1200:

Weight	12400kgs	27337lbs
Transport width	2.35m	7'9"
Transport length	13.5m	44'4"
Transport height	3.98m	13'1"
Working width	2.72m	8'11"
Working length	19.29m	63'4"
Working height	5.47m	17'11"

Features

- 4 wheel trommel drive system
- Hydraulic variable speed control
- Reversible operation to clear blockages
- Hydraulic 'kick-out' to prevent barrel stalling
- Variable speed control on Trommel Drum
- Quick change of drum - Drum lifted straight out of Trommel frame
- Drum can rock to relieve blockages
- Low maintenance and quick set up time
- Higher flow rate gives more power to four motors
- Fines conveyor has remote control radial stock piling ability of 180 degrees

Options

- Tipping grid
- Punchplate mesh
- Tandem Axle

Phoenix 1600:

Weight	17420kgs	38400lbs
Transport width	2.38m	7'10"
Transport length	16.5m	54'2"
Transport height	4m	13'2"
Working width	2.38m	7'10"
Working length	26.5m	87'
Working height	5.72m	18'9"

Phoenix 2100

Phoenix 3300



The Powerscreen® Phoenix 2100 is mid sized 2-way split mobile trommel screen designed for quick setup, high throughput and heavy duty applications. Features of the Powerscreen® Phoenix 2100 include a large screen area, a low maintenance, 4 wheel friction drum drive system, load sensing kick-out control system on the feeder conveyor, hydraulic folding onboard conveyors and tier 3 / stage 3 compliant engines.

The Phoenix 2100 has been designed to work in the following applications:

- Top Soil
- Wood Chips
- Compost
- Recycling

Features

- Low Maintenance, friction wheel drive system on screen drum
- Features 4 direct-drive wheel motors (no chain drives, no gearboxes)
- Bi-directional drum drive allows drum to be reversed or rocked
- Utilises common mesh panels with Phoenix 3300
- Variable drum speed
- Variable feeder speed
- Low feed-in height
- Diesel Hydraulic powerunit with latest Tier 3 / Stage 3 compliant engine
- One Piece collection conveyor
- Hydraulic folding conveyors
- Remote control angle adjustable radial conveyor, radials through 180 degrees
- Hydraulic jacking legs to assist during set up
- Hyd adjustable machine working angle
- Low maintenance
- Quick setup time

Options

- Tri-axle Bogie
- Tipping Grid
- Vibrating Grid Single or Double Deck
- Discharge Chute
- Punch Plate Mesh
- Dust Canopy

Phoenix 2100:		
Weight (depends on option)	28000kgs	61729lbs
Transport width	2.6m	8'6"
Transport length	16.1m	52'10"
Transport height	3.96m	13'
Working width	7.95m	26'1"
Working length	27.6m	90'7"
Working height	5.72m	18'9"

The Powerscreen® Phoenix 3300 is now the flagship model within the Powerscreen® Phoenix range of 2-way split mobile trommel screens. Key features include the largest screen area within the Phoenix range, a low maintenance 4 wheel drive friction drum drive system, proportional load sensing on the feeder conveyor to eliminate blockages and downtime, hydraulic folding conveyors and tier 3 / stage 3 compliant engines. The Phoenix 3300 has been designed to work in the following applications:

- Top Soil
- Wood Chips
- Compost
- Recycling

Options

- Remote Controlled Tipping Grid
- Remote Controlled Vibrating Grid
- Discharge Chute
- Punch Plate Mesh

Features

- Low Maintenance, friction wheel drive system on screen drum
- Features 4 direct-drive wheel motors (no chain drives, no gearboxes)
- Bi-directional drum drive allows drum to be reversed or rocked
- **NEW** proportional hydraulic load sensing system on feeder circuit prevents blockages
- Utilises common Phoenix 2100 bolt in mesh panels
- Variable drum speed
- Variable feeder speed
- Low feed-in height
- Diesel Hydraulic powerunit with latest Tier 3 / Stage 3 compliant engine
- One Piece collection conveyor
- Hydraulic folding conveyors
- Remote control angle adjustable radial conveyor, radials through 180 degrees
- Hydraulic jacking legs to assist during set up
- Hyd adjustable machine working angle
- Low maintenance
- Quick setup time

Phoenix 3300:		
Weight (depends on option)	37500kgs	82673lbs
Transport width	2.9m	9'6"
Transport length	21.12m	69'2"
Transport height	4.12m	13'6"
Working width	9.36m	30'8"
Working length	32.27m	105'8"
Working height	5.6m	18'4"

Galaxy 924 & 933

Powershredder 1800



The Powerscreen® Galaxy range of static trommels are ideal for treatment facilities processing and screening household and commercial waste and mixed construction waste. The large drum can be fitted with a series of different sized screen media to screen out different sized end products.

Features

- Drum driven by electric friction 4 wheel drive system
- Screen cleaned via independent spring-loaded brushes (option of brush cleaners)
- Variable speed control adjustable to 17 rpm max.
- Reversible drive operation to 'rock' barrel
- Easy maintenance - remote mounted grease points
- Multiple gas strut driven side doors

Options

- Horizontal welded scroll punched plate drum
- Inclined drum fitted with individual woven mesh or punch plagues
- One continuous size, 50/50 split or 60/40 split
- Walkway and stairs on trommel frame

	924		933	
Weight	20000kg	44100lbs	22000kg	48502lbs
Width	3.37m	11'1"	3.37m	11'1"
Length	9.3m	30'10"	12.3m	40'4"
Height	3.5m	11'6"	3.5m	11'6"

Powershredder Range

Powerscreen® Powershredder products reduce the volume of waste going to landfill and in turn reduces dumping and transport costs. The Powershredder also prepares material for further processing including secondary shredding, incineration and screening.

Depending on the type of waste the Powershredder achieves between 30% (Domestic Solid Waste) and 90% (Green Waste) volume reduction.

Applications

- Light bulky waste (e.g. furniture, skip waste)
- Domestic Solid Waste (e.g. household waste, cardboard cans, paper, plastic)
- Mixed Construction Waste (e.g. wood, plastic, cardboard, plasterboard, stone)
- Green waste (e.g. garden waste, leaves, branches, small landscape trees, tree stumps)
- Timber / Pallets

Features

- Ability to shred most types of waste
- Fully mobile on hooklift or track
- Forward and reverse shredding mechanism allows shafts to self-clean.
- State of art, user friendly control panel with 5 pre set programs and user programs to adjust to suit various applications.
- Fully remote control. Ability to track and shred via remote, giving greater stockpile capabilities

Options

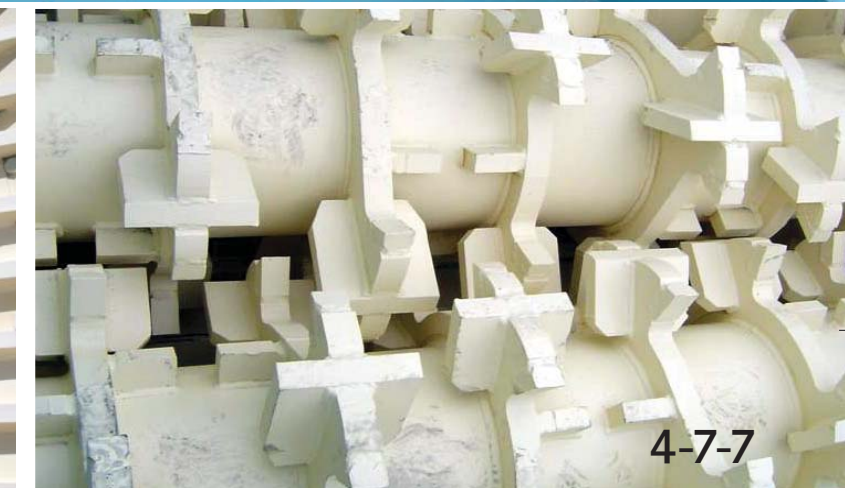
- Electric / Diesel Powerunit
- Special shafts for specific applications
- Hopper Extensions
- Dust Suppression
- Overband Magnet

Powershredder 1800:

	Hooklift		Track	
Weight	16420kgs	36,200lbs	20500kg	45,195lbs
Transport width	2.52m	8'3"	2.25m	7'4"
Transport length	8.06m	26'5"	7.52m	28'8"
Working height	2.6m	8'6"	3.17m	10'5"
Working width	2.52m	8'3"	2.25m	7'4"
Working length	9.16m	30'1"	9.06m	29'9"
Working height	4.7m	15'5"	5.47m	17'11"

Powershredder 2400

Powershredder Shafts



The Powerscreen® Powershredder 2400 is approximately 60% bigger in size than the Powershredder 1800 and has the ability to shred 150 – 250 % more volume depending on the application. This is ideal when an operator wants to shred larger volumes of material.

Applications

- Light bulky waste (e.g. furniture, skip waste)
- Domestic Solid Waste (e.g. household waste, cardboard cans, paper, plastic)
- Mixed Construction Waste (e.g. wood, plastic, cardboard, plasterboard, stone)
- Green waste (e.g. garden waste, leaves, branches, small landscape trees, tree stumps)
- Timber / Pallets

Features

- Ability to shred most types of waste
- Fully mobile on track
- Forward and reverse shredding mechanism allows shafts to self-clean.
- State of art, user friendly control panel with 5 pre set programs and user programs to adjust to suit various applications.
- Fully remote control. Ability to track and shred via remote, giving greater stockpile capabilities

Options

- Electric / Diesel Powerunit
- Special shafts for specific applications
- Hopper extensions
- Dust suppression
- Overband magnet

Powershredder 2400:		
Weight	34,400kgs	76,057lbs
Transport width	2.95m	9' 8"
Transport length	10.3m	33' 9"
Transport height	3.2m	10' 6"
Working width	2.95m	9' 8"
Working length	12.58m	41' 3"
Working height	6.2m	20' 4"

There are many different shaft configurations for many different applications. The shaft configuration is determined by the following main factors:

- Type of waste to be shredded
- Gripping behaviour of the tools in certain waste types
- Required output piece size
- Operating costs, e.g. wear parts, maintenance

To maximise the above it is essential that the shafts are specified correctly for the customer's requirement. See your local Powerscreen® dealer for further information.

Powerscreen® Recycling

Other Powerscreen® Products



Dry Screening

Dry Screening is the separation of material into different sized products. The material is separated by passing it through a vibrating 'screen box' which has a number of different-sized screens, or meshes - which the material falls through like a sieve. The material falls onto attached conveyors which stockpile the end products. The end products can then be used in the building and construction industries.

In the rugged world of aggregate extraction, coal processing, construction & demolition waste, recycling and materials reclamation, Powerscreen® leads the way. A number of Dry Screening product ranges are available, from small and compact equipment right up to heavy-duty, high output productivity. All Powerscreen® equipment is built to have a long active life and for easy serviceability.

Washing

Due to shortages of natural sand & gravel and increasingly higher aggregate specifications, many customers need to remove clay and silt from sand and gravel.

Powerscreen® offer an extensive range of mobile and static washing systems. The range includes mobile and static washing screens such as the Chieftain Rinsor range, the Finesmaster sand classification systems, Trident dewaterers, Powerscrub logwashers, feeder units and various stockpiling conveyors to give clean, ready to use and sell, sand and gravel end products.

Powerscreen® Genuine Parts

Once you receive your Powerscreen® product Powerscreen® wants to ensure you are 100% satisfied and give you maximum 'up-time' and profit - no matter where you are in the world.

Powerscreen® Genuine Parts distribution centres support Powerscreen® Dealers and equipment all over the world, with the main World Parts Centre at Dungannon, Northern Ireland and a second in Louisville, USA to support the North & South American market. Over 3,000 line items are held in stock at any one. Using Powerscreen® Genuine Parts will guarantee the quality of the part and maximise the 'up-time' of your machine. Powerscreen® Genuine Parts are competitively priced, high quality products for use in any screen. Powerscreen® believes that the sale of an machine is the beginning...not the end!



Powerscreen® Genuine Parts

Dry Screening
Recycling
Washing



Distributor:

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Product performance figures given in this brochure are for guidance purposes only, this information does not constitute an expressed or implied warranty or guarantee, but shows test examples provided by Dealers. These results will vary depending on mesh sizes, feed source and types of material being screened.

Photographs are for illustrative purposes only, some or all of the machines in the illustrations may be fitted with optional extras.

Please check with your Dealer for details on optional extras.

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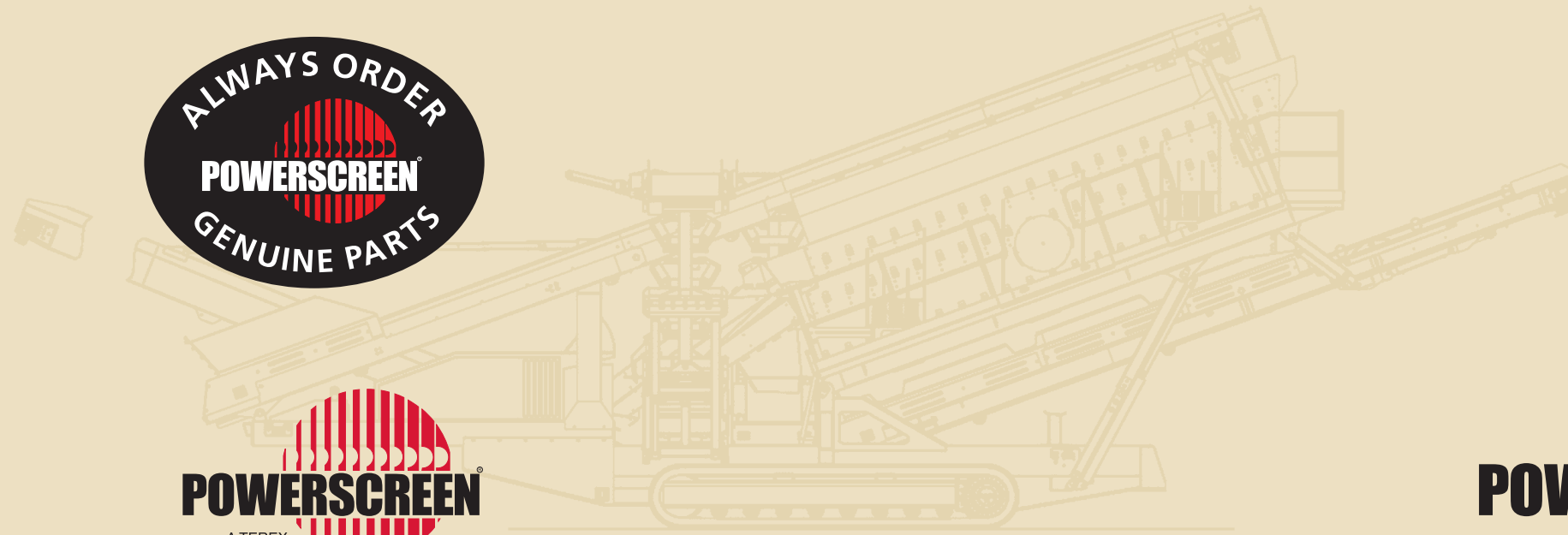
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Powerscreen® Genuine Parts

Speedharp

Powerscreen® is the world leader in mobile screening. Powerscreen® mobile screens are used in variety of global industries – from mining, quarrying and aggregate extraction to recycling and waste management.

Powerscreen® have been providing equipment since 1966 and have kept ahead through market leading innovations, customer driven research & development, stringent quality management and enviable global after sales support.

From individual mobile machines to massive multi-unit plant installations, Powerscreen® engineering expertise provides the solution to any screening, recycling, washing or materials processing problem.

Part of Terex, one of the world's largest construction equipment manufacturers, Powerscreen® combine industry experience and engineering know-how with a continuous development programme. From a modern and evergrowing production facility at the corporate headquarters in Dungannon, Northern Ireland, equipment proudly carrying the Powerscreen® name is exported all over the world through over 100 appointed Dealers.

Powerscreen® Genuine Parts

Once you receive your Powerscreen® product Powerscreen® wants to ensure you are 100% satisfied and give you maximum 'up-time' and profit –no matter where you are in the world.

Powerscreen® Genuine Parts distribution centres support Powerscreen® Dealers and equipment all over the world, with the main World Parts Centre at Dungannon, Northern Ireland and a second in Louisville, USA to support the North & South American market. Over 3,000 line items are held in stock at any one time.

Using Powerscreen® Genuine Parts will guarantee the quality of the part and maximise the 'up-time' of your machine. Powerscreen® Genuine Parts are competitively priced, high quality products for use in any screen.

Powerscreen's Gold Warranty Programme is a new after sales service initiative. It allows Powerscreen® to offer an extended warranty programme to customers above their standard warranty. Contact your local dealer to see how Gold Warranty can benefit you and how to avail of this service. Customers can access Powerscreen® Genuine Parts through their local Powerscreen® Dealer.

Powerscreen® believes that the sale of a machine is the beginning...not the end!



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The Speedharp is recognized worldwide as the most efficient method of screening fines. A new heavier hook improves the quality and life expectancy of the tension in our Speedharp.

Powerscreen® Speedharps are made in high grade standard and stainless steel wire and are available with steel and plastic profiles.

We manufacture any size of Speedharp with any size or type of wire and profile your applications requires.

Standard Speedharp Screen Size:	Aperture	Wire Gauge Standard	Heavy Duty	Extra Heavy Duty
5x5	2mm	0.66	0.83	1.00
6x3	3mm	0.83	1.00	1.22
6x4	4mm	1.00	1.22	1.50
8x4	5mm	1.00	1.22	1.50
8x5	6mm	1.22	1.50	1.80
7x5	8mm	1.50	1.80	2.00
	10mm	1.50	1.80	2.00
	12mm	2.00	2.50	
	15mm	2.00	2.50	
	18mm	2.00	2.50	
	20mm	2.00	2.50	

Powerscreen® Genuine Parts

General Parts | Filters
Electrical | Bearings

Powerscreen® Genuine Parts

Gearboxes | Hydraulic Parts
Engines/Motors | Pumps



General Parts



Filters



Electrical



Bearings



Gearboxes



Hydraulic Parts



Engines/Motors



Pumps

Rollers | Sprockets
Couplings | Powerpatch & Powerprotect

Washing
Shredders
Trommels



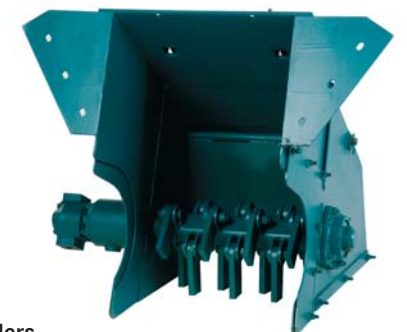
Rollers



Sprockets



Washing



Shredders



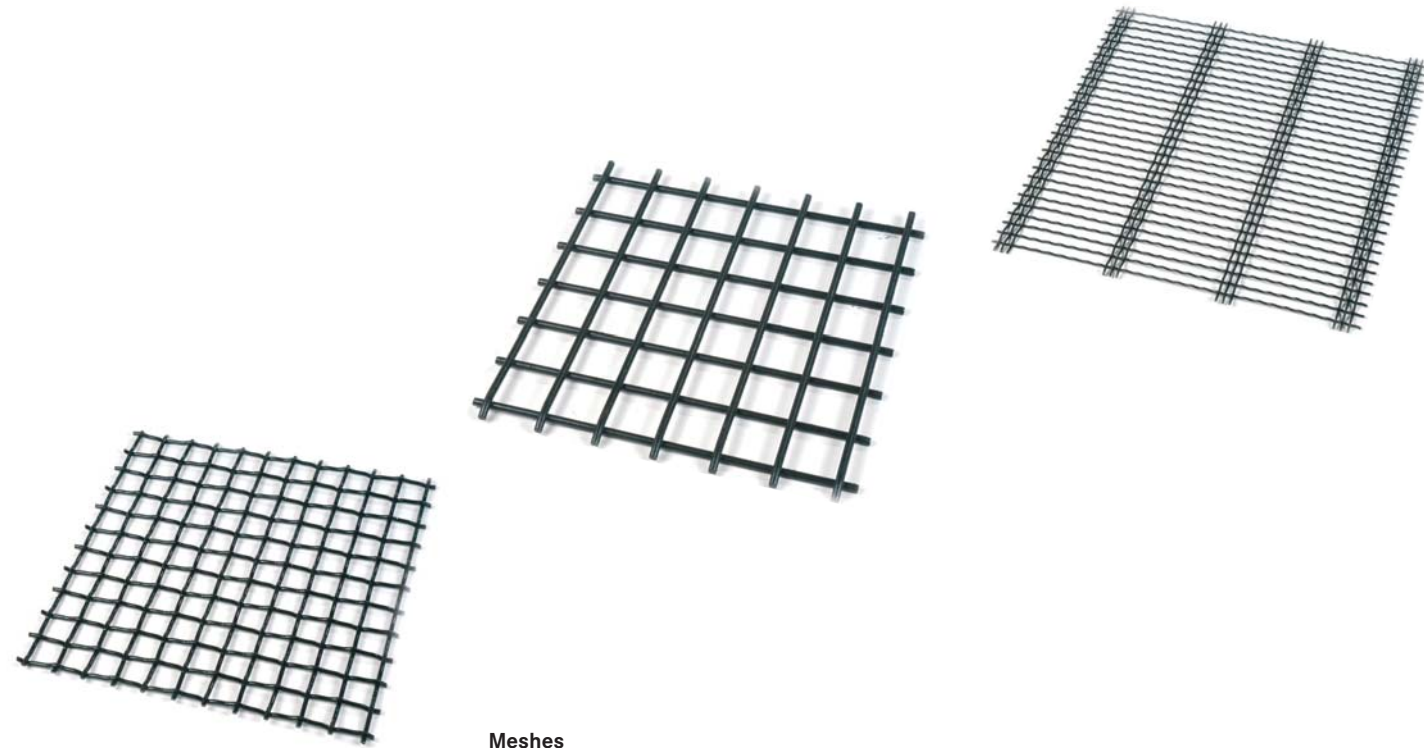
Couplings



Trommels

Powerscreen® Genuine Parts

Meshes



Meshes

Other Powerscreen® Products



Punch Plate Finger Decks

Bofar Bars Screen Bearings



Punch Plate
Punch plates are available in Hardox and mild steel. They are particularly good for scalping or heavy duty screening applications.



Bofar Bars



Finger Decks
Finger Decks are ideal for handling top soil, landfill and demolition waste materials. The fingers allow unrestricted flow of products and eliminate clogging.



Screen Bearings

Dry Screening

Dry Screening is the separation of material into different sized products. The material is separated by passing it through a vibrating 'screen box' which has a number of different-sized screens, or meshes - which the material falls through like a sieve. The material falls onto attached conveyors which stockpile the end products. The end products can then be used in the building and construction industries.

In the rugged world of aggregate extraction, coal processing, construction & demolition waste, recycling and materials reclamation, Powerscreen® leads the way. A number of Dry Screening product ranges are available, from small and compact equipment right up to heavy-duty, high output productivity. All Powerscreen® equipment is built to have a long active life and for easy serviceability.

Recycling

Global government legislation is forcing customers to recover, reuse and recycle a wide range of materials from household waste to construction & demolition waste due to pressure on landfill sites and increasing landfill taxes.

Powerscreen® provide a large range of products for sizing, volume reduction and separation of materials. In volume reduction, the Powerscreen® Powershredder range is equally at home reducing waste volume for landfill as it is shredding timber for re-use.

For the separation and sizing of construction & demolition waste, topsoil, re-useable aggregates and rubble, the Powerscreen® range of mobile trommels are turning costs into profit world-wide in both the private waste treatment sector as well as for municipal recycling centres and waste transfer stations.

Washing

Due to shortages of natural sand & gravel and increasingly higher aggregate specifications, many customers need to remove clay and silt from sand and gravel.

Powerscreen® offer an extensive range of mobile and static washing systems. The range includes mobile and static washing screens such as the Chieftain Rinser range, the Finesmaster sand classification systems, Trident dewaterers, Powerscrub logwashers, feeder units and various stockpiling conveyors to give clean, ready to use and sell, sand and gravel end products.