

Dry Screening

H Range
Chieftains
Warriors
Powergrids

Powertracks
Commanders
Mk II
Conveyors



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Powerscreen® International Distribution Ltd.

Head Office
200 Coalisland Road,
Dungannon, Co Tyrone
UK, BT71 4DR

T: +44 (0) 28 87 740 701
F: +44 (0) 28 87 747 231
E: sales@powerscreen.com
www.powerscreen.com

North America Office
11001 Electron Drive,
Louisville,
KY 40299, USA

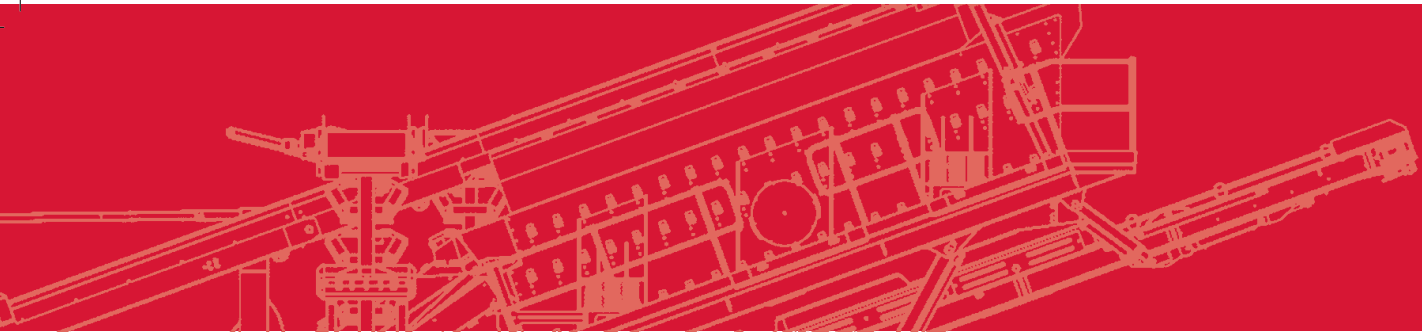
T: 001 502 736 5200
F: 001 502 736 5202
E: mail@terexcs.com
www.powerscreen.com

Powerscreen® Genuine Parts

Worldwide Distribution
T: +44 (0) 28 87 740 701
F: +44 (0) 28 87 747 874
E: parts@powerscreen.com

North American Distribution
T: 001 502 736 5200
F: 001 502 736 5204
E: parts-powerscreen@terexcs.com





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



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

	Track		Wheeled	
Chieftain 1400 (12' Hopper)				
Weight (est)	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"	17.33m	56'10"
Working height	4.97m	16'4"	5.3m	17'5"

Chieftain 1700



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

	Track	
Chieftain 1700: (3 Deck/ 12ft hopper)		
Weight	27000kgs	59525lbs
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



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"

Chieftain 2400



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)*

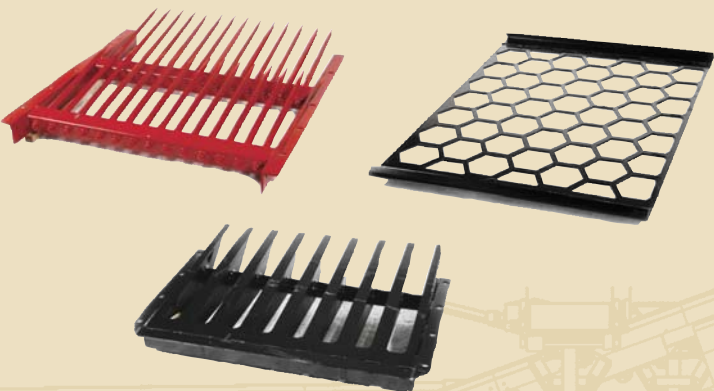
Features

- 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"

H 5163
H 6203

H 5163 R
H 6203 R
(Recirculating Models)



The Powerscreen® H range feature horizontal screens ideal for handling high volumes of sticky materials and for the exact, fine sizing demanded for many construction contracts. Powerscreen® H 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. The Powerscreen® H range is especially effective for scalping after a primary impact or jaw crusher and really have outstanding performance when screening out specific small sizes.

The Powerscreen® H range includes the H 5163 and H 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: H 5163: up to 600 tph (661 US tph)*
H 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

	H 5163		H 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® H 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 H 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: H 5163R: up to 600 tph (661 US tph)*
H 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

	H 5163R		H 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 manoeuvred

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 world-wide 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!

