







SPECIFICATION

14ft Hopper (with grid)

Total weight 26,900kg (59,304lbs)

Transport Length 16.53m (54' 3")

Width 3m (9' 10")

Height 3.43m (11' 3")

Working Length 17.22m (56' 6")

Width 17.32m (56' 10") Height 5.82m (19' 1")

Screenbox 4.8m x 1.5m (16' x 5')

Power Unit Diesel / Hydraulic

Plant Colour RAL 5021, RAL 7024 & RAL 9005

(Weight & dimensions are approximate base unit values)

FEATURES & BENEFITS

- High capacity up to 500 tph / 551 US tph (depending on media sizes & material type)
- Maximum feed size 150mm (6")
- Engine protection shutdown system
- Power unit featuring a transverse engine arrangement to aid access & serviceability
- Heavy duty single shaft incline screenbox with adjustable stroke, angle & speed
- Hydraulic screen tensioning
- Screen mesh access system for quicker mesh changes
- · Maximum mobility with heavy duty, low ground pressure tracks
- Removable heavy duty pendant remote control system
- Quick set up time
- High performance hydraulic system cast iron pumps & motors complete with hydraulic cooler
- Low profile double deck vibrating grid option with radio remote control tipping grid, angle adjustable & fully riveted construction
- Hydraulically folding conveyors for transport
- Fines conveyor drop down facility to aid bottom deck mesh access

APPLICATIONS



Aggregate

Sand & gravel Blasted rock River rock



Recycling

Top soil
C&D waste
Composted materials
Wood by-products
Overburden
Foundry waste



Mining

Processed ores
Processed minerals





HOPPER & GRID

Target area: 4.75m (15' 7") long x 2m (6' 7") wide

Grid aperture: 108mm (4.3'')

Hopper capacity with grid: 5.35m³ (7 cu. yd.)

Adjustable angle tipping grid with integral loading and wing plates

Feed in height rear with grid: 3.59m (11' 9") Feed in height rear without grid: 2.65m (8' 8")







SCREENBOX

4.8m x 1.5m (16' x 5') 2 deck incline screen Highly aggressive screen drive Grease filled 2 bearing screenbox

4.8m x 1.5m (16' x 5') top deck 3.86m x 1.52m (13' x 5') bottom deck

4 of media sections (side tension) top deck 2 of media sections (end tension) bottom deck Hydraulic screen angle adjustment 20° - 30° Hydraulic screen tensioning on bottom deck Galvanised walkways on 3 sides of the screenbox

Speed: 1050rpm (standard) **Throw:** 6.25mm (standard)









FEED CONVEYOR

1050mm (3' 5") wide feed conveyor with direct drive system & hydraulic variable speed control

4.11m (13' 6") drum centres

350mm (13.7") drum diameter (drive)

320mm (12.6") drum diameter (tail)

MAIN CONVEYOR

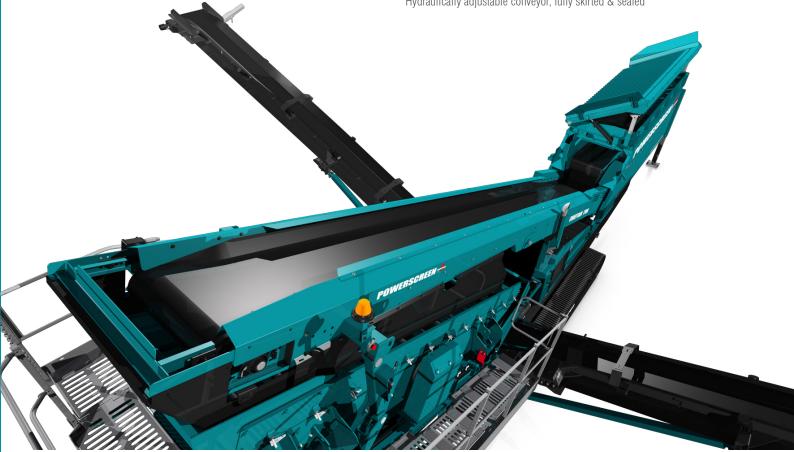
1050mm (42") 3 ply plain belt

9.89m (32' 5") drum centres

286mm (11.3") drum diameter (drive)

270mm (10.6") drum diameter (tail)

Hydraulically adjustable conveyor, fully skirted & sealed







FINESIZE - TAIL CONVEYOR

1200mm (3' 11") wide 3 ply plain belt 6.88m (22' 7") drum centres 286mm (11.3") drum diameter (drive) 270mm (10.6") drum diameter (tail)

4.23m (13' 11'') stockpile height 112m³ (146 cu. yd.) stockpile volume

Fixed speed Hydraulically folding Chevron belt as option Angle adjustment: 8° - 25°









MID-FINESIZE & MID-OVERSIZE - SIDE CONVEYORS

650mm (2' 2") wide 3 ply chevron belt 9.67m (31' 9") drum centres 286mm (11.3") drum diameter (drive) 270mm (10.6") drum diameter (tail)

4.69m (15' 4") stockpile height 153m³ (200 cu. yd.) stockpile volume

Variable speed control on each conveyor Hydraulically folding Fixed angle: 24°







POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent:

CAT C4.4

Performance:

83 kW (111.3hp) @ 2200rpm

Engine Stage IIIA Constant Speed:

CAT C4.4 CS

Performance:

98 kW (131hp) @ 1800rpm

Engine Tier 4F / Stage IV:

CAT C4.4

Performance:

82 kW (110hp) @ 2200rpm

Tank Capacities:

Fuel: 336 L (88 US Gal)

Hydraulic oil Tier 3 & Constant Speed: 564 L (149 US Gal)

Hydraulic oil Tier 4: 450 L (118 US Gal)

Pumps:

Flywheel pump: Cast iron tandem 33cc/rev PTO pump A: Cast iron tandem 23/23/14cc/rev

Constant Speed Pumps:

Cast iron triple 46/46/33cc/rev Flywheel pump: PTO pump: Cast iron tandem 29/29cc/rev

Motors:

Belt feeder: Cast iron160cc/rev Main conveyor: Cast iron 630cc/rev Tail conveyor: Cast iron 500cc/rev Side conveyors: Cast iron 400cc/rev Screen motor: Cast iron 56cc/rev







 Track width:
 400mm (1' 4")

 Sprocket centres:
 3285mm (10' 9")

Gradability degrees: 27.15° **Gearbox ratio:** 1:154 **Hydraulic motor:** 50.9cc/rev

Approximate speed: 0.9kph (0.56mph) **Total flow per track:** 69 Lpm (approx.)











DOUBLE DECK VIBRATING GRID

Target area:

3.91m (12' 10") long x 2.42m (7' 11") wide

Bottom deck screen size:

2 of 1.9m (6' 3'') x 1.5m (4' 11'')

Working angle:10° - 20° (hydraulically adjustable)

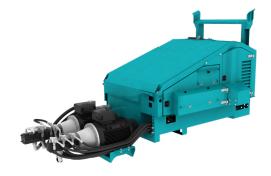
45° max Tip angle: Motor: 56cc/rev

Coupled to main conveyor circuit. Circuit:

Minimum feed in height with grid (rear): 3.8m (12' 6")

Increase in transport height: +75mm (3")

Increase in machine weight: +3750kg (8,267lbs)



DUAL POWER

Dual Power System:

2 of electric motors; 37 kW (50hp) & 30 kW (40hp) Diesel engine Integrated control system

This controls either diesel-hydraulic or electric-hydraulic functions

Note: This option may alter transport dimensions and feed access. For further details please contact engineering for detailed drawings and dimensions.







OTHER OPTIONS

- Custom colour machine
- Auto lubrication system
- Anti rollback
- Quick release wedge tensioning for top deck
- Vibrating grid discharge chute
- Crusher feed chute (when double deck vibrating grid is selected)
- Radio controlled tracking
- Roll-in bogie
- Hydraulic jacking legs

- Grid aperture: 152mm (6")
- Adjustable hopper door
- Hydraulic raise / lower of head section for mesh access
- Extra coupling facility
- Fuel save option
- Bottom deck self cleaning flexi mesh
- Powerscreen Pulse







POWERSCREEN PULSE

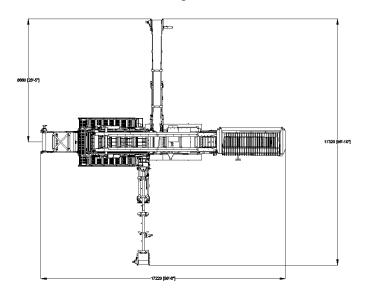
RECORD, DISPLAY AND ANALYSE DATA:

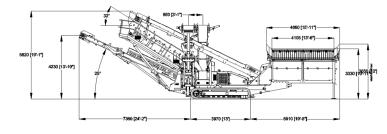


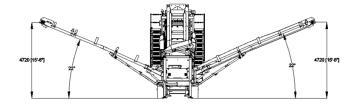










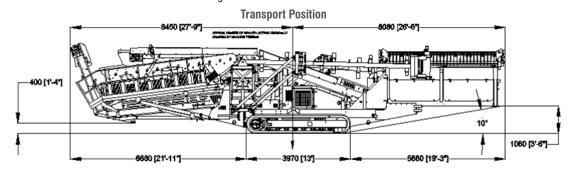


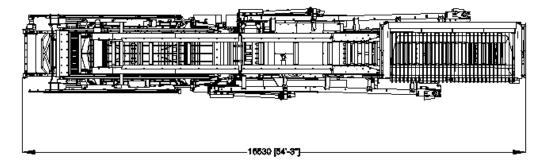
MORE DIMENSIONS OVERLEAF

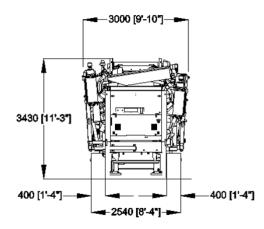




Figure 2: Chieftain 1700 2 Deck





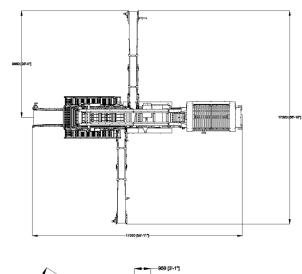


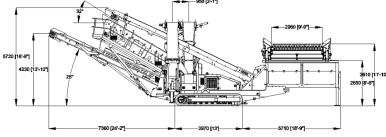
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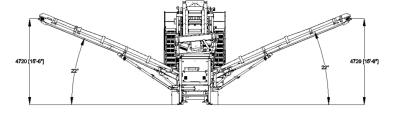










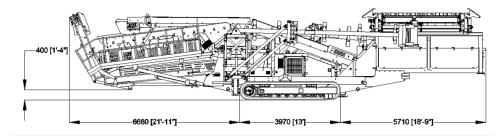


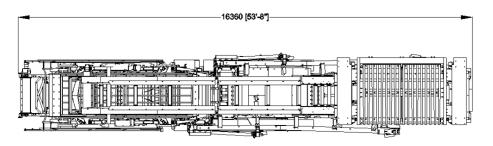
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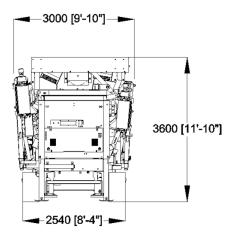














Powerscreen equipment complies with CE requirements.

Please consult Powerscreen if you have any other specific requirements in respect of guarding, noise or vibration levels, dust emissions, or any other factors relevant to health and safety measures or environmental protection needs. On receipt of specific requests, we will endeavour to ascertain the need for additional equipment and, if appropriate, quote extra to contract prices.

All reasonable steps have been taken to ensure the accuracy of this publication, however due to a policy of continual product development we reserve the right to change specifications without notice.

It is the importers' responsibility to check that all equipment supplied complies with local legislation regulatory requirements.

Plant performance figures given in this brochure are for illustration purposes only and will vary depending upon various factors, including feed material gradings and characteristics. Information relating to capacity or performance contained within this publication is not intended to be, nor will be, legally binding.

GET IN TOUCH

Dungannon

200 Coalisland Road, Dungannon, Co Tyrone, BT71 4DR, Northern Ireland Tel: +44 (0) 28 87 718 500

Fax: +44 (0) 28 87 747 231

Louisville

11001 Electron Drive, Louisville, Kentucky, 40299 USA

Tel: +1 502 736 5200 Fax: +1 502 736 5202

