

POWERSCREEN of CALIFORNIA & HAWAII

TRACKED MOBILE INCLINED SCREENER
Powerscreen Chieftain 1700

January 10, 2020

Customer: **COUNTY OF HUMBOLDT**
Location: **825 5th St., Eureka, CA 95501**
Our Ref: **2019-870 Rev. 01**



www.PowerscreenOfCalifornia.com

1205 Business Park Drive, Dixon, CA 95620
Tel: (707) 253-1874 Email: info@PowerscreenOfCalifornia.com

All images are for illustration purposes.





POWERSCREEN OF CALIFORNIA & HAWAII

MAIN OFFICE

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SOUTHERN CALIFORNIA

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Toll Free: (888) 797-7276

info@PowerscreenOfCalifornia.com

January 10, 2020

Mr. Keith Schuetzle,
COUNTY OF HUMBOLDT,
825 5th Street,
Eureka,
CA 95501

Our Ref: Quote 2019-870 Rev. 01

Dear Mr. Schuetzle,

I am pleased to offer you our quote for our **Powerscreen Chieftain 1700 2 Deck** tracked mobile inclined screener.

We are the exclusive dealer in California & Hawaii for the complete range of **Powerscreen** equipment, and in addition we are also the exclusive dealer for **TEREX Washing Systems (TWS)**, **TEREX Ecotec**, **TEREX EvoQuip**, **Continental Biomass Industries (CBI)**, **Telestack**, **MDS Heavy Duty Trommels**, **MGL Engineering**, **Neuenhauser** and **Matec**.

I trust you will find this offer competitive.

Please feel free to contact Gary McConn if you require clarification on any of the enclosed.

Best Regards,

A handwritten signature in black ink, appearing to read "Andrew Gillen", is written over a horizontal line.

Andrew Gillen
DIRECTOR OF SALES & MARKETING
Cell: (707) 334-0814
E-Mail: andrew@PowerscreenOfCalifornia.com

cc: Gary McConn
VICE-PRESIDENT
Cell: (707) 479-8441
E-mail: gary@PowerscreenOfCalifornia.com



QUOTE

**Images are for illustration purposes only*



POWERSCREEN CHIEFTAIN 1700 2 DECK Tracked Mobile Inclined Screener (# 1278)

USED:
\$ 172,000.00

*Price excludes delivery to site.
Price excludes taxes.*

CUSTOMER



\$ 172,000.00
Tax \$ 12,900.00
Shipping \$ 2,200.00
Parts \$ 1,108.58

Total = \$ 188,208.58

SALES DETAILS

1. Transport cost delivered to customers site. \$ 2,200.00
2. Tax, at rate of 7.5% \$ 12,900.00
3. Year. 2017
4. Engine. CAT C4.4 Tier 4 Final **CAT**
5. Hours. 2,750 Hours approx.
6. Recommended parts list. Enclosed.
6. **Weight.** **59,304 lbs**
8. **Chieftain 1700 has 60% more screen area than Cheiftain 1400.**
9. Quote valid for 30 days from date on cover sheet.

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Tracked Mobile Inclined Screener

(# 1278)

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|--|---|
| 1. Transport cost delivered to customers site. | \$ 2,200.00 |
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| 3. Year. | 2017 |
| 4. Engine. | CAT C4.4 Tier 4 Final  |
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| 6. Weight. | 59,304 lbs |
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SOLD TO

SHIP TO

POWERSCREEN OF NORTHER C 1205 BUSINESS PARK DRIVE DIXON CA 95620	PAGE 1	
	CASH CHG. OTHER	
	ACCT. NO. 00512	

SALESMAN DS	PURCHASE ORDER NO. See below	P.T. NO. Q16148	INVOICE DATE 01/10/2020	TIME 08:40 AM	INVOICE NO.	QUOTE
----------------	---------------------------------	--------------------	----------------------------	------------------	-------------	--------------

QUANTITIES			PART NUMBER	DESCRIPTION	VENDOR BIN LOC.	PRICES	
ORDERED	B/O	SHIPPED					
PO #: HUMBOLDT CO. CH1700			SPARES				
1		1	N 479-4133	FILTER	16.2	51.15	51.15
				FUEL/WATER SEP ELEMENT			
1		1	N 7W-2326	FILTER	16.3	22.28	22.28
				OIL FILTER			
2		2	N 360-8960	FUELFILTER	16.3	39.60	79.20
				CAT C4.4 TIER 4 ENG FUEL ELEMENT (CH14,17,21X/S)			
1		1	N 49665	AIR FILTER	K3.2	81.41	81.41
				AIR FILTER			
1		1	N 42795	AIR FILTER	K3.4	33.520	33.52
				AIR FILTER			
1		1	N 02220220	M2517 X 50	E3.2	22.44	22.44
				M2517 X 50MM TAPERLOCK			
1		1	N 02020163	M2517 X 2+	E3.2	25.24	25.24
				M2517 X 2+1/2 TAPERLOCK			
2		2	N 02020211	M2517 X 2	E3.2	23.86	47.72
				M2517 X 2 TAPERLOCK			
2		2	N 02020443	M2517 X 35	E3.2	20.90	41.80
				M2517 X 35MM TAPERLOCK			
2		2	N 02280264	HRC M180 C	D3.3	46.49	92.98
				HRC M180 COUPLING FLANGE			

	DESCRIPTION	ACCOUNT	AMOUNT
Please pay from invoice. Items returned are subject to a 20% restocking charge. All Invoices Subject to 1-1/2% Finance Charge Monthly. For Questions, Call 707-253-1874, Fax 707-253-1896, or Email dlane@powerscreenofcalifornia.com.	PARTS		
	SALES TAX		
	TOTAL		

Signature: _____

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QUANTITIES			PART NUMBER	DESCRIPTION	VENDOR BIN LOC.	PRICES	
ORDERED	B/O	SHIPPED					
PO #: HUMBOLDT CO. CH1700 SPARES							
2		2	N 02280265	HRC M180 C	D3.4	16.650	33.30
				HRC M180 COUPLING INSERT/CENTRE			
1		1	N 02020604	45DEG HDP	XB19.2	28.98	28.98
				45DEG LH ROLLER			
1		1	N 02020605	45 DEG HDP	XB20.2	28.98	28.98
				45 DEG HDPE SIDE ROLLER RH			
1		1	N 02020606	30 DEG HDP	XB17.1	28.98	28.98
				30 DEG HDPE SIDE ROLLER LH			
1		1	N 02020607	30 DEG HDP	XB18.1	28.98	28.98
				30 DEG HDPE SIDE ROLLER RH			
1		1	N 02020608	20 DEG HDP	XB17.2	28.98	28.98
				20 DEG HDPE SIDE ROLLER LH			
1		1	N 02020609	20 DEG HDP	XB18.2	28.98	28.98
				20 DEG HDPE SIDE ROLLER RH			
1		1	N 02020610	60 DEG HDP	XB19.1	28.98	28.98
				60 DEG HDPE SIDE ROLLER LH			
1		1	N 02020611	60 DEG HDP	XB20.1	28.98	28.98
				60 DEG HDPE SIDE ROLLER RH			
1		1	N 05121159	TSF 2+1/2	C1.3	62.46	62.46
				TSF 2+1/2 ##1 BEARING			

	DESCRIPTION	ACCOUNT	AMOUNT
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	SALES TAX		
	TOTAL		

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----------------	---------------------------------	--------------------	----------------------------	------------------	-------------	--------------

QUANTITIES			PART NUMBER	DESCRIPTION	VENDOR BIN LOC.	PRICES	
ORDERED	B/O	SHIPPED					
PO #: HUMBOLDT CO. CH1700 SPARES							
1		1	N02023213LOU	BEARING	D5.4	123.71	123.71
			2-1/2" PILLOW BLOCK BEARING				
1		1	N02251105	BEARING	C1.2	67.930	67.93
			TSF 2 ##2 BEARING				
20		20	NORANGESKIRTBOARD4"	SKIRTI	XD1.2	4.58	91.60
			ORANGE GUM SKIRTBOARD 4" X 3/8"				

Please pay from invoice. Items returned are subject to a 20% restocking charge.
 All Invoices Subject to 1-1/2% Finance Charge Monthly.
 For Questions, Call 707-253-1874, Fax 707-253-1896,
 or Email diane@powerscreenofcalifornia.com.

Signature: _____

DESCRIPTION	ACCOUNT	AMOUNT
PARTS	NONTAXABLE	1108.58
SALES TAX		0.00
TOTAL		1108.58

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CUSTOMER

CHIEFTAIN 1700

The Powerscreen® Chieftain 1700 is a mid-sized track mobile screen aimed at end users requiring high volumes of finished products in applications including topsoil, coal, crushed stone, recycling, iron ore, sand and gravel.

User benefits include a quick set-up time, drop down tail conveyor and screen mesh access system to aid screen media changes and a transverse power unit arrangement to simplify servicing.

Features & Benefits

- 2 or 3 deck
- Radio controlled tipping grid
- Integrated high capacity variable speed belt feeder
- Grease filled 2 bearing screenbox
- Heavy duty single shaft screenboxes with adjustable stroke, angle and speed
- Screen walkway and access ladder
- Hydraulic folding conveyors with excellent stockpiling capacity
- Patented fully mounted hydraulic folding auxiliary stockpile conveyor (3 deck)

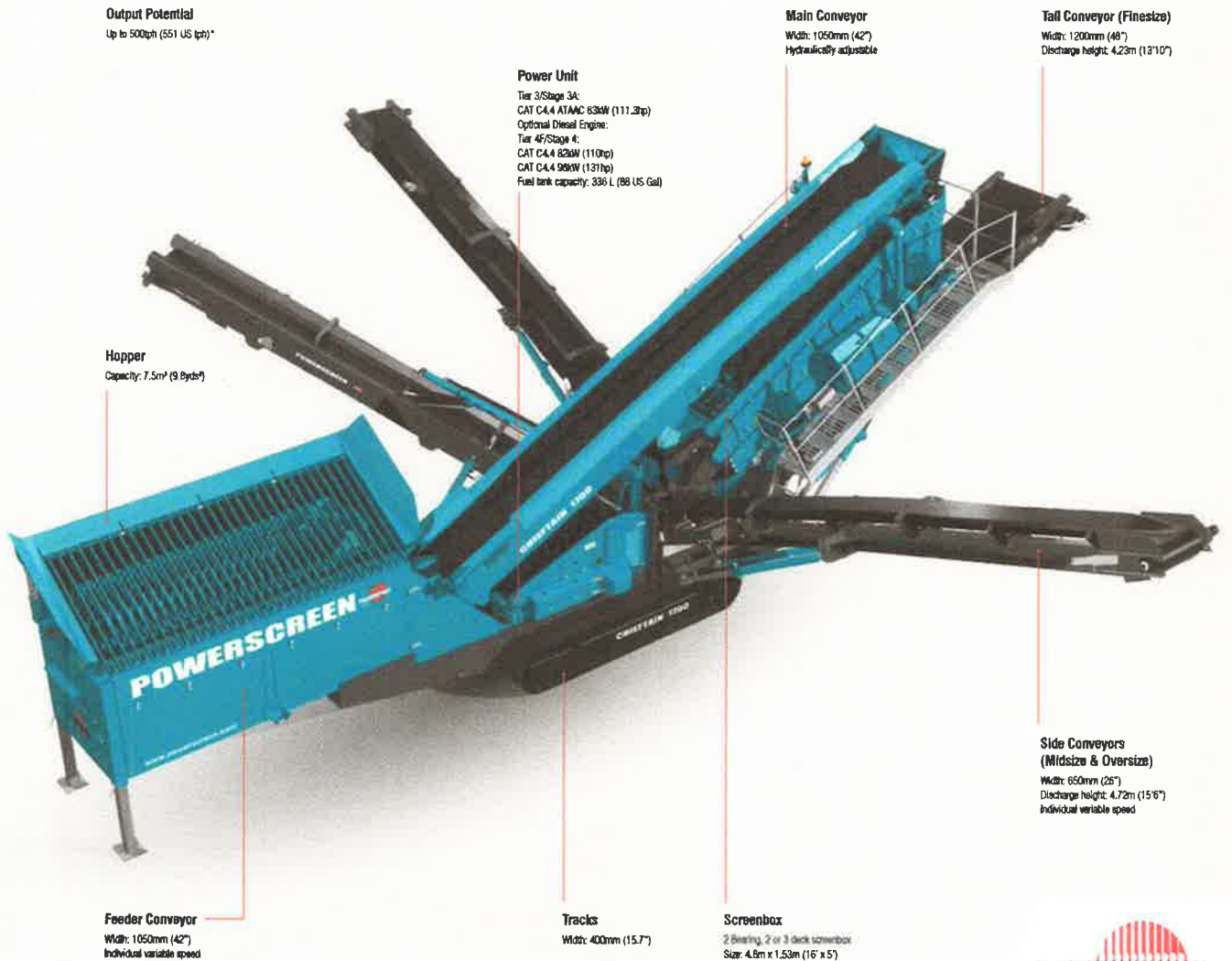
Options

- Wheel or track mobile
- Double deck vibrating grizzly
- Radio controlled tracking
- Anti roll-back
- Dual Power (additional electric hydraulic drive)
- Roll-in bogie prepared
- Roll-in bogie equipped
- Quick release screen wedge tensioning
- Auto lubrication system
- Dust suppression
- Extended recirculation conveyor attached for transport (3 deck)
- Hydraulic screen tensioning (Bottom Deck)



CHIEFTAIN 1700	TRACK (2 DECK)	WHEEL (2 DECK)	TRACK (3 DECK)	WHEEL (3 DECK)
Weight (Gst)	26,900kg (59,304lbs)	24,700kg (54,454lbs)	29,500kg (65,099lbs)	27,500kg (60,627lbs)
Transport width	3m (9'10")	3m (9'10")	3m (9'10")	3m (9'10")
Transport length	16.53m (54'3")	15.81m (52'2")	16.53m (54'3")	16.81m (55'2")
Transport height	3.4m (11'3")	3.6m (11'10")	3.5m (11'6")	3.69m (12'1")
Working width	17.32m (56'10")	17.32m (56'10")	17.32m (56'10")	17.32m (56'10")
Working length	17.22m (56'6")	17.22m (56'6")	17.22m (56'6")	17.22m (56'6")
Working height	5.82m (19'1")	6.21m (20'4")	5.82m (19'4")	6.19m (20'4")

* Output potential depends on application
Engines are available that are certified to US EPA and EU off-road diesel emission regulations. See your dealer about possible certification options (i.e. Tier 3/Stage 3A, Tier 4/Stage 3B, Tier 4/Stage 4).



Output Potential
Up to 500tph (551 US tph)*

Hopper
Capacity: 7.5m³ (9 Yds³)

Feeder Conveyor
Width: 1050mm (42")
Individual variable speed

Power Unit
Tier 3/Stage 3A:
CAT C4.4 ATAAC 836W (111.2hp)
Optional Diesel Engine:
Tier 4/Stage 4:
CAT C4.4 826W (110hp)
CAT C4.4 906W (131hp)
Fuel tank capacity: 336 L (88 US Gal)

Tracks
Width: 400mm (15.7")

Main Conveyor
Width: 1050mm (42")
Hydraulically adjustable

Screenbox
2 Bearing, 2 or 3 deck screenbox
Size: 4.8m x 1.53m (16' x 5')

Tail Conveyor (Finesize)
Width: 1200mm (48")
Discharge height: 4.23m (13'10")

Side Conveyors (Midsize & Oversize)
Width: 650mm (25")
Discharge height: 4.72m (15'6")
Individual variable speed



POWERSCREEN® CHIEFTAIN 1700

2 DECK INCLINE SCREEN



GET STARTED



TECHNICAL SPECIFICATION - REV 10. 01/01/2019



To use my interactive features I need to be opened in 'Adobe Acrobat Reader' click here to download



CHIEFTAIN 1700 2 DECK

- 🏠 OVERVIEW
- ▶ HOPPER & GRID
- ▶ SCREENBOX
- ▶ MAIN CONVEYOR
 - ▶ TAIL CONVEYOR
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- ▶ POWER UNIT & HYDRAULICS
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- ▶ DIMENSIONS

OVERVIEW

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





CHIEFTAIN 1700 2 DECK

- HOME OVERVIEW
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↓ 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")





CHIEFTAIN 1700 2 DECK



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↓ 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)





CHIEFTAIN 1700 2 DECK

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↓ CONVEYORS

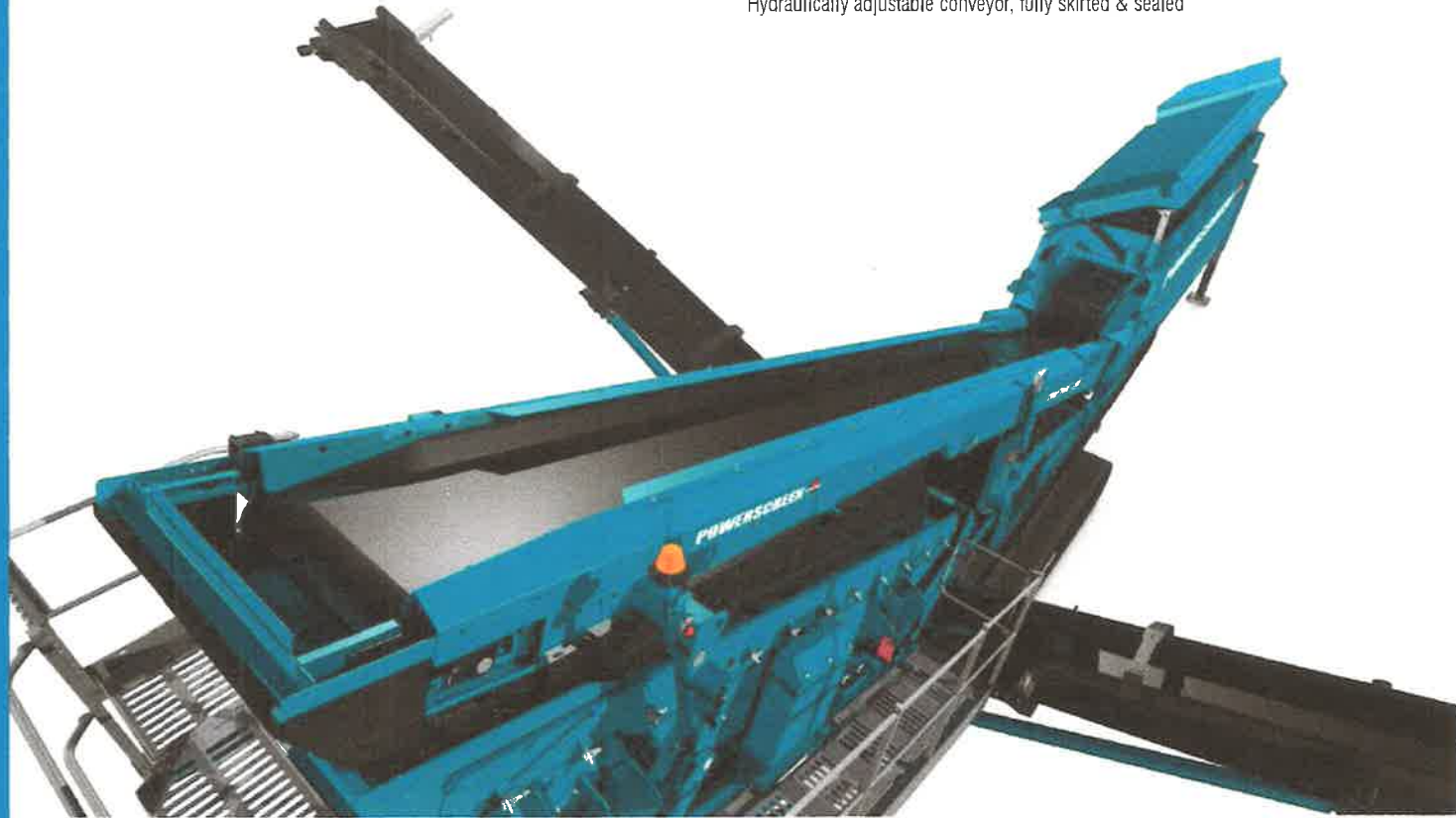
FEED CONVEYOR

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





CHIEFTAIN 1700 2 DECK

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↓ CONVEYORS

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°





CHIEFTAIN 1700 2 DECK

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↓ CONVEYORS

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°





CHIEFTAIN 1700 2 DECK



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

Motors:
Bail feeder: Cast iron 160cc/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





CHIEFTAIN 1700 2 DECK



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↓ TRACKS

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.)





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↓ OPTIONS



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)

Tip angle: 45° max

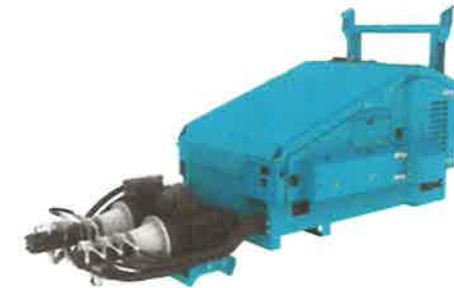
Motor: 56cc/rev

Circuit: Coupled to main conveyor 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.





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↓ OPTIONS

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





CHIEFTAIN 1700 2 DECK

- OVERVIEW
- HOPPER & GRID
- SCREENBOX
- MAIN CONVEYOR
 - TAIL CONVEYOR
 - SIDE CONVEYORS
- POWER UNIT & HYDRAULICS
- TRACKS
- OPTIONS
 - OTHER OPTIONS
- POWERSCREEN PULSE
- DIMENSIONS

POWERSCREEN PULSE

RECORD, DISPLAY AND ANALYSE DATA:

HIGH EFFICIENCY THROUGH PRECISE INFORMATION

Available online anywhere and at any time: comprehensive information on the GPS location, start and stop times, fuel consumption, tonnages, cone settings, wear ratings, operating hours, maintenance status, and much more.



AVAILABLE ANYWHERE AND AT ANY TIME

DASHBOARD DISPLAY

FLEET OVERVIEW

WEEKLY REPORT DIRECT TO YOUR INBOX

GPS: MACHINE TRACKING

REPORTING
UTILISATION, PERFORMANCE & PART SPECIFIC

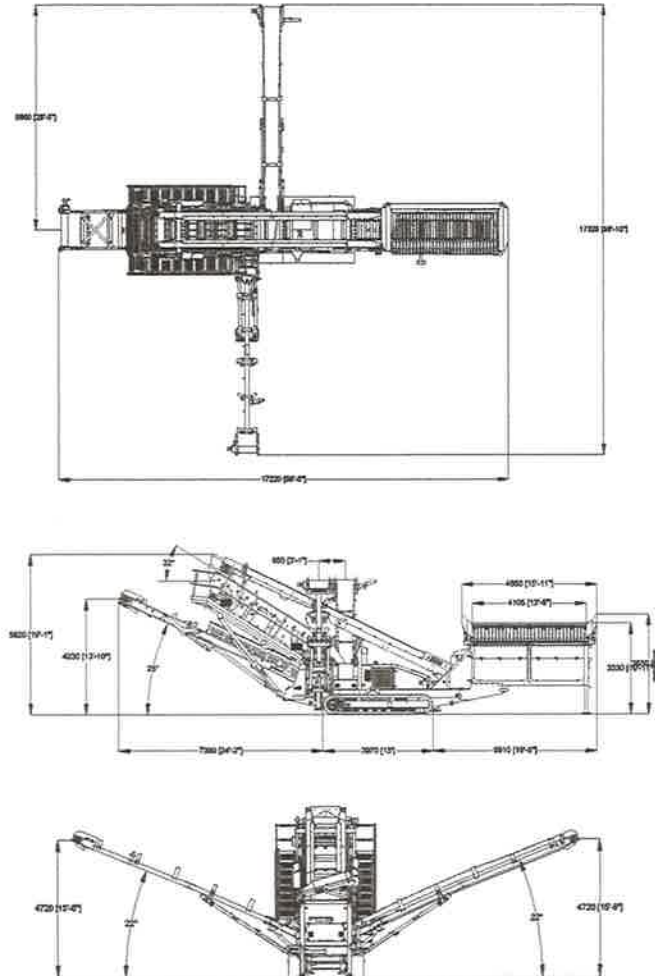




CHIEFTAIN 1700 2 DECK

↓ DIMENSIONS

Figure 1: Chieftain 1700 2 Deck Working Position



MORE DIMENSIONS OVERLEAF



- 🏠 OVERVIEW
- ▶ HOPPER & GRID
- ▶ SCREENBOX
- ▶ MAIN CONVEYOR
 - ▶ TAIL CONVEYOR
 - ▶ SIDE CONVEYORS
- ▶ POWER UNIT & HYDRAULICS
- ▶ TRACKS
- ▶ OPTIONS
 - ▶ OTHER OPTIONS
- ▶ POWERSCREEN PULSE
- ▶ DIMENSIONS



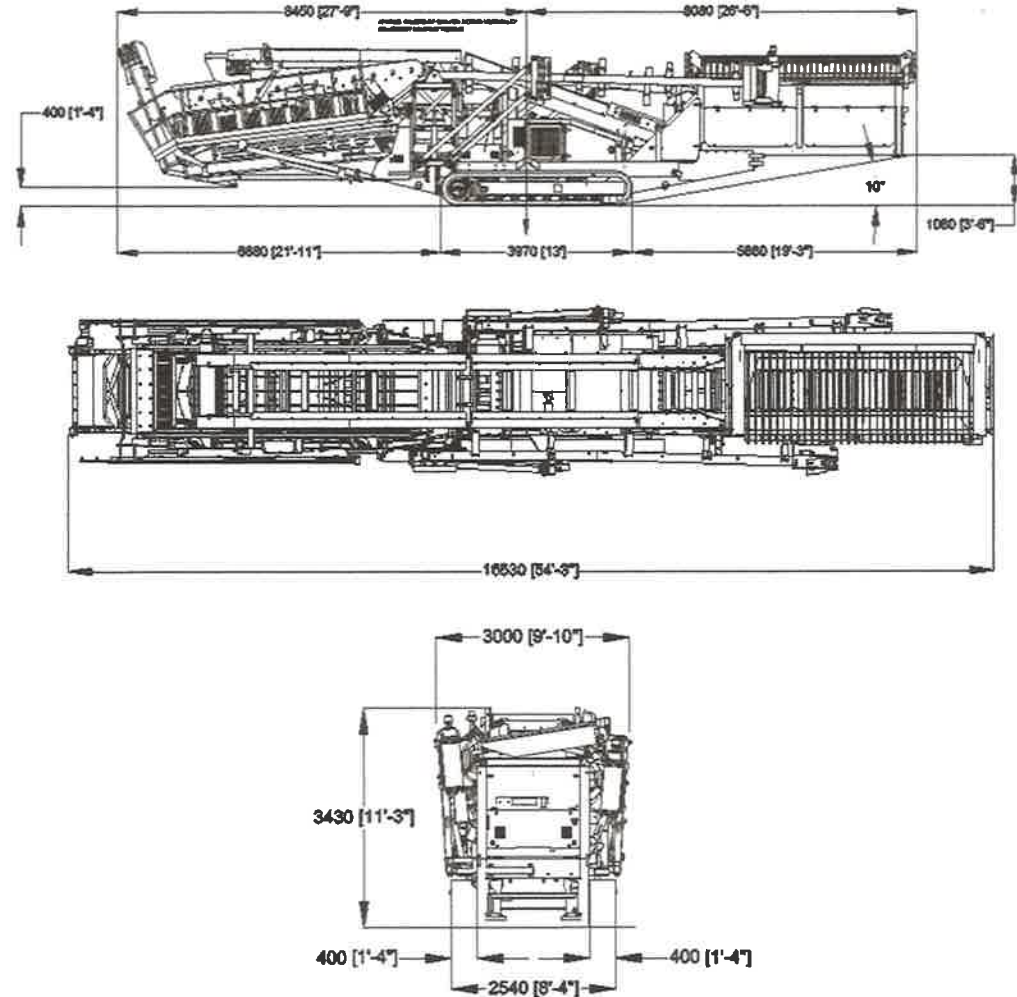
CHIEFTAIN 1700 2 DECK



- 🏠 OVERVIEW
- ▶ HOPPER & GRID
- ▶ SCREENBOX
- ▶ MAIN CONVEYOR
 - ▶ TAIL CONVEYOR
 - ▶ SIDE CONVEYORS
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- ▶ TRACKS
- ▶ OPTIONS
 - ▶ OTHER OPTIONS
- ▶ POWERSCREEN PULSE
- ▶ DIMENSIONS

↓ DIMENSIONS

Figure 2: Chieftain 1700 2 Deck
Transport Position



MORE DIMENSIONS OVERLEAF





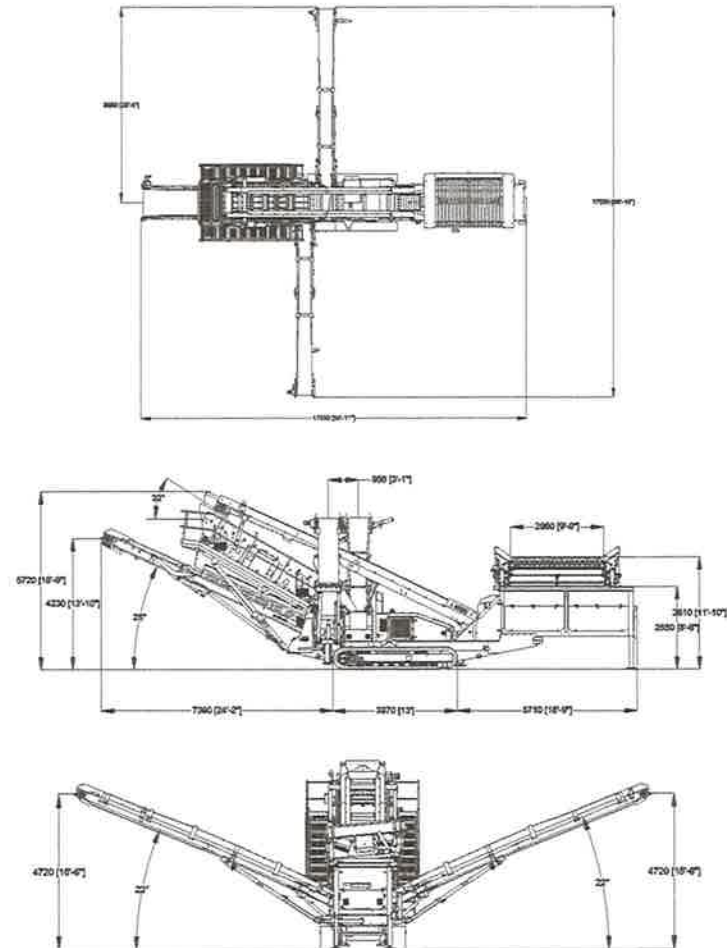
CHIEFTAIN 1700 2 DECK



- 🏠 OVERVIEW
- ▶ HOPPER & GRID
- ▶ SCREENBOX
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 - ▶ TAIL CONVEYOR
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- ▶ TRACKS
- ▶ OPTIONS
 - ▶ OTHER OPTIONS
- ▶ POWERSCREEN® PULSE
- ▶ DIMENSIONS

↓ DIMENSIONS

Figure 3: Chieftain 1700 2 Deck
Double Deck Vibrating Grid
Working Position



MORE DIMENSIONS OVERLEAF

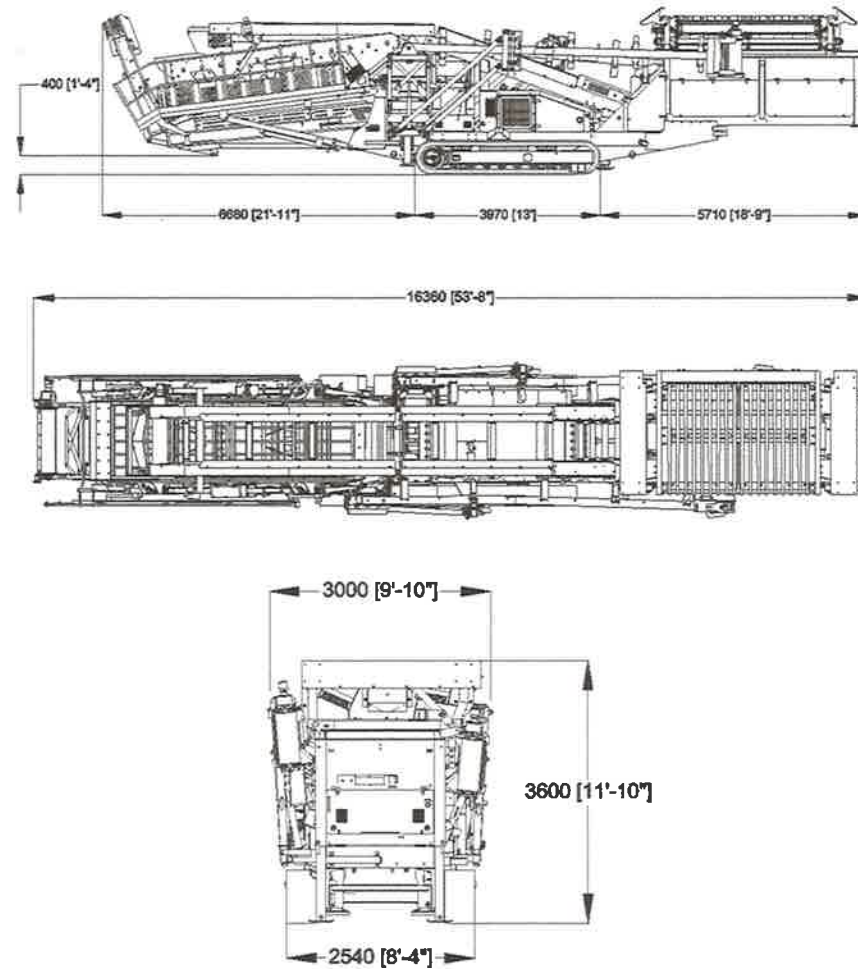




CHIEFTAIN 1700 2 DECK

DIMENSIONS

Figure 4: Chieftain 1700 2 Deck
Double Deck Vibrating Grid
Transport Position



- 🏠 OVERVIEW
- ▶ HOPPER & GRID
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- ▶ POWERSCREEN® PULSE
- ▶ DIMENSIONS





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.

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