

# POWERSCREEN® HYBRID



ELECTRIC EVOLVED

[www.powerscreen.com](http://www.powerscreen.com)



# POWERSCREEN® HYBRID

We care about the environment and the future of our planet. That is why we continually invest in developing new energy solutions to give customers the best power option choices for their operations.

The Powerscreen® Hybrid range has been designed to give customers alternative energy options to operate their range of crushing, screening and conveying equipment. Our Hybrid Machine range has been dramatically enhanced to include more fully electric crushers and screens as well as models powered by innovative combinations of diesel and electricity.

These options let you choose which fuel to use, depending upon cost, location and availability. Hybrid machines will be of special interest if you operate in an area where electricity is more cost effective than diesel fuel, where diesel engine noise is unwanted or on sites where electricity is the preferred energy source.



*Fitted with an electric hydraulic drive in conjunction with the standard diesel hydraulic drive, the machine can be run as a standard diesel or connected to an external electricity supply once the machine has been set-up on site.*

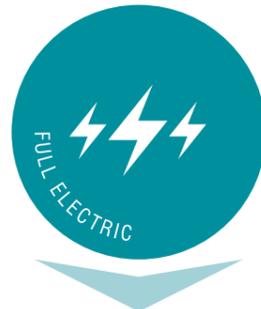


*These wheeled models use onboard electric motors to power the hydraulic drives.*



*These units power the crusher or screen using electric drive but have a small onboard diesel engine for tracking and transport only.*

COMING SOON



*For those who want full crushing and screening operation powered by electricity. Machines can connect to mains or a genset.*



## WHY GO HYBRID?



### Reduced Operating costs

The ability to use electricity means reduced fuel consumption and operating costs



### Switch easily between energy sources

Dual Power models allow you to operate your machine on diesel fuel or an external electricity source



### Increased uptime

depending on set-up, machine uptime can be increased due to reduced refuelling and engine servicing



### Can be used in a variety of applications

In any quarry, mining, sand-pit, coal, washing and aggregate processing application where crushing and screening equipment is used



### Environmentally friendly

Ideal for areas where environmental, legislative and/or noise constraints are present

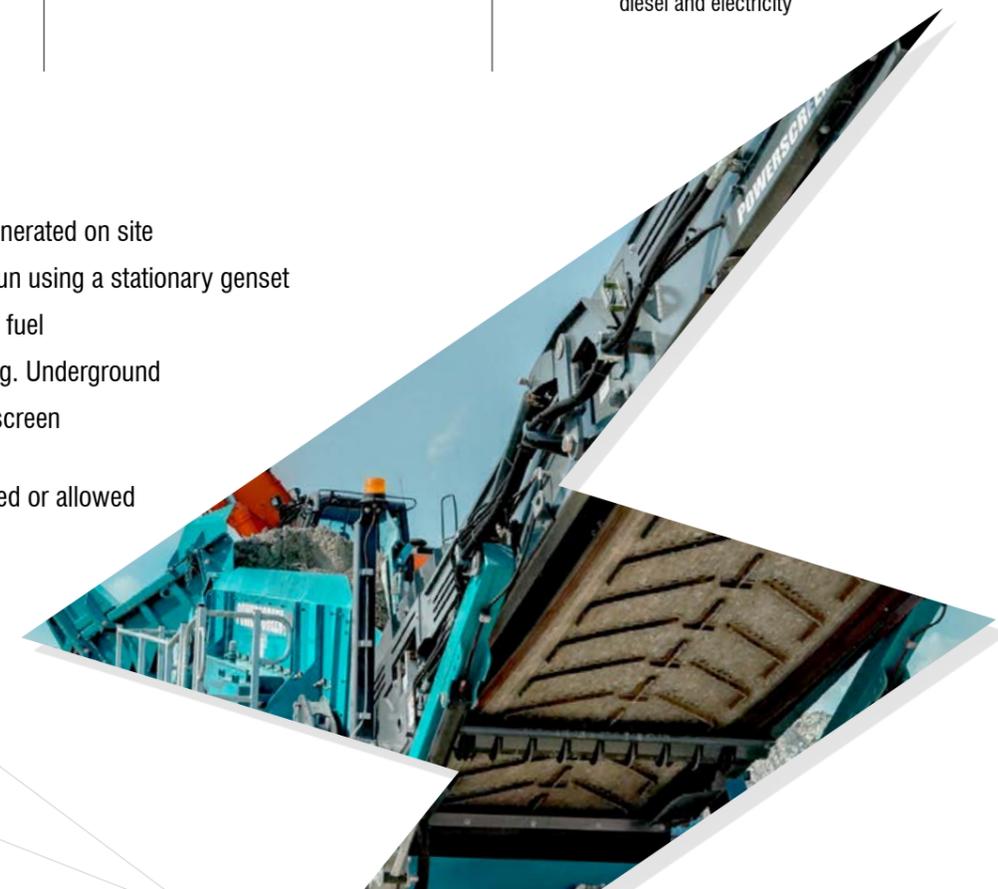


### Versatile

Powerscreen Hybrid crushers and screens offer customers a choice of power supply depending on access to diesel and electricity

## HYBRID IS BEST WHEN:

- Electricity is freely available or generated on site
- Complete crushing spreads are run using a stationary genset
- Electricity is preferred over diesel fuel
- Diesel fumes are not permitted e.g. Underground
- Run in conjunction with a Powerscreen electric machine
- Diesel engine noise is not preferred or allowed



# POWERSCREEN® HYBRID RANGE



**Diesel Hydraulic**  
All machines can have diesel hydraulic power option



**Wheeled Electric**  
Onboard electric motors power the hydraulic drives



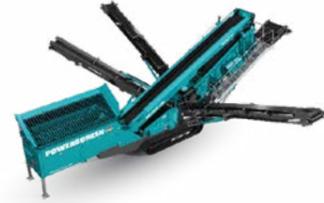
**Full Electric**  
Fully powered by electricity. Machine connects to mains or a genset



**Dual Power**  
Switch between diesel or external electricity supply



**Transport Engine** COMING SOON  
Machine runs on electricity with small onboard engine for tracking / transport



Chieftain 1400	Chieftain 1700 (2 & 3 deck)
<b>Ideal for:</b> Fine screening, crushed rock, sand and gravel, recycling applications	<b>Ideal for:</b> Fine screening, crushed rock, sand and gravel, recycling applications
<b>Output:</b> 400tph (441 US tph)* <b>Hopper Size:</b> 7.5m³ <b>Screenbox:</b> 3.33m x 1.53m 4 bearing, 2 deck screenbox <b>Power Unit:</b> Tier 3/Stage 3A: CAT C4.4 ATAAC 83kW (111hp) Tier 4F/Stage 4: CAT C4.4 82kW (110hp) CAT C4.4 98kW (131hp) <b>Weight:</b> Track: 24,900kg (54,895lbs) Wheel: 22,000kg (48,502lbs)	<b>Output:</b> 500tph (551 US tph)* <b>Hopper Size:</b> 7.5m³ <b>Screenbox:</b> 4.8m x 1.53m 2 bearing, 2 or 3 deck screenbox <b>Power Unit:</b> Tier 3/Stage 3A: CAT C4.4 ATAAC 83kW (111hp) <b>Optional Diesel Engine:</b> Tier 4F/Stage 4: CAT C4.4 82kW (110hp) CAT C4.4 98kW (131hp) <b>Weight:</b> Track (2 deck): 26,900kg (59,304lbs) Wheel (2 deck): 24,700kg (54,454lbs) Track (3 deck): 29,800kg (65,698lbs) Wheel (3 deck): 27,500kg (60,627lbs)

Warrior 1400X/1400XE	Warrior 1800
<b>Ideal for:</b> Heavy duty screening, blasted or crushed rock, river gravel, C&D waste, recycling applications	<b>Ideal for:</b> Heavy duty screening, blasted or crushed rock, river gravel, C&D waste, recycling applications
<b>Output:</b> 500tph (551 US tph)* <b>Hopper Size:</b> 7m³ <b>Screenbox:</b> 3.6m x 1.25m 2 bearing, 2 deck, high amplitude screenbox <b>Power Unit:</b> Warrior 1400X: Tier 3: CAT C4.4. ATAAC 83kW (111hp) Tier 4F/Stage 4: CAT C4.4 82kW (110hp) Warrior 1400XE: CAT C4.4 Constant speed diesel engine 85kW (113hp) Can be self-powered or connected to an external supply <b>Weight:</b> Warrior 1400X/1400XE: 27,200kg (59,965lbs) (2 way split) Warrior 1400X/1400XE: 30,000kg (66,138lbs) (3 way split)	<b>Output:</b> 600tph (661 US tph)* <b>Hopper Size:</b> 6.8m³ <b>Screenbox:</b> 4.88m x 1.5m 2 bearing, 2 deck high amplitude screenbox <b>Power Unit:</b> Tier 3: CAT C4.4 ATAAC 83kW (110hp) Tier 4F/Stage 4: CAT C4.4 82kW (110hp) <b>Weight:</b> 27,800kg (61,300lbs) 2 way split 29,000kg (63,934lbs) 3 way split



Chieftain 2100X (2 & 3 deck)	Chieftain 2200 (2 & 3 deck)
<b>Ideal for:</b> Fine screening, crushed rock, sand and gravel, recycling applications	<b>Ideal for:</b> Fine screening, crushed rock, sand and gravel, recycling applications
<b>Output:</b> 600tph (661 US tph)* <b>Hopper Size:</b> 8m³ <b>Screenbox:</b> 6.1m x 1.53m 2 bearing, 2 & 3 deck screenbox <b>Power Unit:</b> Tier 3/Stage 3A: CAT C4.4 ATAAC 83kW (111.3hp) (2 Deck) CAT C4.4 ATAAC 97kW (130hp) (3 Deck) Tier 4F/Stage 4: CAT C4.4 82kW (110hp) (2 Deck) CAT C4.4 98kW (131hp) CAT C4.4 129.5kW (174hp) (3 Deck) <b>Weight:</b> Track (2 deck): 34,700kg (76,500lbs) Wheel (3 deck): 37,400kg (82,453lbs)	<b>Output:</b> 650tph (716 US tph)* <b>Hopper Size:</b> 8m³ <b>Screenbox:</b> 2 double deck screenboxes Top decks: 6.6m x 1.55m Bottom decks: 6m x 1.55m <b>Power Unit:</b> Tier 3/Stage 3A: CAT C4.4 ATAAC 83kW (111.3hp) CAT C4.4 ATAAC 97kW (130hp) Tier 4F/Stage 4: CAT C4.4 82kW (110hp) CAT C4.4 98kW (131hp) <b>Weight:</b> With grid (2 deck): 35,350kg (78,000lbs) With double deck vibrating screen (2 deck): 39,350kg (86,750lbs) With grid (3 deck): 39,400kg (86,862lbs) With double deck vibrating grid (3 deck): 43,400kg (95,680lbs)

Warrior 2100	Warrior 2400	Horizon 6203
<b>Ideal for:</b> Scalping, wet sticky/fines applications	<b>Ideal for:</b> Scalping, wet sticky/fines applications	<b>Ideal for:</b> High volumes of sticky material, scalping applications, natural and crushed aggregates
<b>Output:</b> 700tph (772 US tph)* <b>Hopper Size:</b> 7m³ <b>Screenbox:</b> 4.88m x 1.55m Triple & single shaft technologies <b>Power Unit:</b> Tier 3: CAT C4.4. ATAAC 90kW (121hp) Tier 4: CAT C4.4 93kW (125hp) <b>Weight:</b> 33,400kg (73,634lbs) 2 way split 34,800kg (76,720lbs) 3 way split	<b>Output:</b> 800tph (882 US tph)* <b>Hopper Size:</b> 10m³ <b>Screenbox:</b> 6.1m x 1.93m 2 deck incline screen, triple shaft drive mechanism <b>Power Unit:</b> Tier 3/Stage 3A: CAT C7.1 LRC 151kW (202hp) Tier 4/Stage 4: CAT C7.1 151kW (202hp) <b>Weight:</b> 2 way split: 43,000kg (94,779lbs) 3 way split: 46,200kg (101,853lbs)	<b>Output:</b> 800tph (882 US tph)* <b>Hopper Size:</b> 8.2m³ <b>Screenbox:</b> 6.1m x 1.93m 3 deck horizontal screenbox <b>Power Unit:</b> Tier 3/Stage 3A: CAT C7.1 LRC 151kW (202hp) Tier 4F/Stage 4: CAT C7.1 151kW (202hp) <b>Weight:</b> 46,700kg (102,955lbs)

# POWERSCREEN® HYBRID RANGE

-  Diesel Hydraulic
-  Wheeled Electric
-  Full Electric
-  Dual Power
-  Transport Engine  
COMING SOON



## Horizon 6203R

**Ideal for:** High volumes of sticky material, scalping applications, natural and crushed aggregates

- Output:** 800tph (882 US tph)\*
- Hopper Size:** 4.33m<sup>3</sup>
- Screenbox:** 6.1m x 1.93m  
3 deck horizontal screenbox, triple shaft technology
- Power Unit:**  
Tier 3/Stage 3A: CAT C7.1 LRC 151kW (202hp)  
Tier 4F/Stage 4: CAT C7.1 151kW (202hp)
- Weight:** 45,000kg (99,208lbs)



**NEW**



## Premiertrak 420E

**Ideal for:** Mid-range crusher used in recycling, quarrying and mining applications

- Output:** 450tph (496 US tph)\*
- Hopper Size:** 9m<sup>3</sup> (11.7yd<sup>3</sup>)
- Crusher:** 1070mm x 760mm single toggle jaw chamber with hydraulic adjustment  
Min CSS: 45mm (1 3/4")\*  
Max CSS: 145mm (5 3/4")\*
- Power Unit:**  
Tier 3 / Stage III Equivalent: Scania DC09 257kW (350hp)  
Tier 4F / Stage IV: Scania DC09 257kW (350hp)  
Stage V: Scania DC09 257kW (350hp)
- Weight:**  
Operating Weight: 54,300kg (119,711lbs)  
(without by-pass conveyor and magnet options)  
56,500kg (124,561lbs)  
(with by-pass conveyor and magnet options)



\*CSS dependant on Application and toggle plate selection



## Premiertrak 600E

**Ideal for:** Large scale operations in quarrying and mining applications

- Output:** 600tph (661 US tph)\*
- Hopper Size:** 14.2m<sup>3</sup>
- Crusher:** 1200mm x 820mm single toggle jaw chamber with hydraulic adjustment  
Min CSS: 75mm (3")\*  
Max CSS: 200mm (8")\*
- Power Unit:**  
Premiertrak 600 (Direct Drive)  
Tier 3/Stage 3A: CAT C13 328kW (440hp)  
Tier 4F/Stage 4: Scania DC13 84A 331kW (444hp)  
Premiertrak 600E (Electric Drive)  
Tier 2/Stage 2: Scania DC13 74A 331kW (444hp)  
Tier 4F/Stage 4: Scania DC13 85A 331kW (444hp)
- Weight:**  
Premiertrak 600: 68,875kg (151,843lbs)  
Premiertrak 600E: 72,725kg (162,535lbs)



**NEW**



## 1000E Maxtrak

**Ideal for:** Quarrying applications working with a primary crusher and sizing screen to produce a uniform sized product

- Output:** 230tph (253 US tph)\*
- Hopper Size:** 5m<sup>3</sup> (6.5yd<sup>3</sup>)
- Crusher:** 1000 Automax Crusher
- Power Unit:**  
Tier 3 Equivalent: Scania DC09 257kW (350hp)  
Tier 4F / Stage IV: Scania DC09 257kW (350hp)  
Stage V: Scania DC09 257kW (350hp)
- Weight:**  
45,320kg (99,914lbs)\* (With optional pre-screen)



HYBRID WARRIOR 2100,  
POWERED BY PREMIERTRAK 600 HYBRID CRUSHER  
TWO MACHINES, ONE POWER SOURCE

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## POWERSCREEN CONTACT DETAILS

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