

PRODUCT
SPECIFICATION

 **TEREX**[®]

 **ECOTEC**

PHOENIX 2100T

TROMMEL SCREEN



SUPERIOR SCREENING

A tracked variant of the market leading Phoenix 2100 trommel, the Phoenix 2100T has been intuitively designed offering operators unrivalled throughput, application flexibility and serviceability. Fully equipped with a Stage V/Tier 4 Final engine and the latest intelligent screening technology, the Phoenix 2100T delivers superior screening efficiency. Ideal for medium sized operations it can accurately screen a variety of materials including compost, biomass, soil, green waste, C&D waste and aggregates.

PHOENIX 2100T

Purposefully engineered to provide improved service and maintenance access.

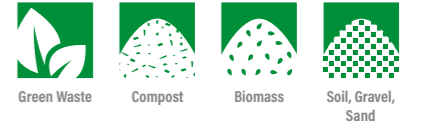


With a rapid set up time the Phoenix 2100T is ready to work in minutes with no tooling required. The user-friendly control system with push button start/stop offers simple operation and diagnostics, allowing the operator to effortlessly configure the machine to suit the required application. The fully proportional, hydrostatic feeder combined with an intelligent control system continually monitors the machine adjusting the feeder speed to optimise screening performance and throughput.

The Phoenix 2100T is fitted with a 6.45m (21' 2") x 1.94m (6' 4") screening drum with heavy duty mesh or punch plate options available ensuring that all application requirements are met. Equipped with a powerful hydrostatic four-wheel drive system the Phoenix 2100T offers unrivalled start up torque and screening efficiency. With a fully independent track subframe the drum screening angle can be adjusted from 0° - 7° whilst in operation. Maintenance and inspection can be carried out with ease due to the side drum access.

Powered by a 102kW (137HP) CAT C4.4 Stage V / Tier 4 Final engine, the Phoenix 2100T offers the perfect blend of power and efficiency, reducing operating costs. Both noise and emission levels are reduced due to the machine running at a lower engine RPM. The swing out power unit provides unprecedented service access enabling daily checks and maintenance to be carried out from ground level. The 180° radial fines conveyor with a variable discharge height of up to 5.3m can be remote controlled whilst in operation, maximising stockpile capacity. Both the radial fines and oversize conveyors lower to ground level hydraulically for maintenance. Manoeuvred via heavy duty crawler tracks, the Phoenix 2100T offers increased site mobility and is a great solution for difficult terrain.

KEY FEATURES



A powerful four-wheel drive system with high performance friction grip wheels is used to turn the trommel drum, giving operators the ability to run it bi-directionally



6.45m (21' 2") x 1.94m (6' 4") screening drum with heavy duty mesh or punch plate options offering application flexibility



Fully proportional, hydrostatic feeder with an intelligent control system optimising screening performance and throughput



Swing out engine cradle providing operators with unrivalled maintenance access



User-friendly push button control system with Auto Start / Stop function and Automatic feeder mode



Reversible engine fan (option) and removable pre filter grille provide maximum protection for the engine air intake and cooling pack



Remote controlled 180° radial fines conveyor with variable discharge height, offering maximum stockpile capacity

TECHNICAL DATA



TRANSPORT DIMENSIONS

Width: 2.94m (9' 8")
Height: 3.38m (11' 1")
Length: 17.5m (57' 5")
Weight: 31,000kg (68,343 lbs) (dependent on options)

WORKING DIMENSIONS (5° DRUM ANGLE)

Width: 15.9m (52' 2")
Length: 26.77m (87' 10")
Feed Height: 5.4m (17' 9")

HOPPER & BELT FEEDER

8.5m ³ (11.1yd ³) capacity
4.3m (14' 1") feeder length
3.3m (10' 10") feed in height
1200mm (47") 3 ply plain belt, 4 + 2 covers
Variable speed control c/w load sensing and automatic feeder shutdown
Hopper extensions

DRUM

6.45m (21' 2") Length
1.94m (6' 4") Diameter
Friction four-wheel drum drive system
Variable speed control
Mesh or Punch plate panels
Inclined drum
Variable operating angle 0° - 7°
Tumbling action c/w nylon cleaning brushes
Service access doors for maintenance

POWERUNIT & CONTROL

CAT C4.4 102kW (137HP) Stage V / Tier 4 Final CAT C4.4 98kW (131HP) LRC (option)
Fuel tank capacity 326L (72 gal) (86 US gal)
Hydraulic tank 260L (57 gal) (69 US gal)
Swing out engine for maintenance
Excellent service access
Powerful hydraulics

COLLECTION CONVEYOR

1200mm (47") 3 ply plain belt, 4 + 2 covers
Fully skirted and sealed

FINES DISCHARGE CONVEYOR (5° DRUM ANGLE)

900mm (35") 3 ply plain belt, 4 + 2 covers
Remote control 180° swivel
Variable operating angle 5° - 23°
Discharge height 5.3m (17' 5") @ 23°
Hydraulic folding

OVERSIZE CONVEYOR (5° DRUM ANGLE)

1050mm (41") 3 ply chevron belt, 4 + 2 covers
Full length skirting
Variable speed control
Hydraulic folding
Variable operating angle 19° - 30°
Discharge height 4.03m (13' 3") @ 30°

TRACKED UNDERCARRIAGE

5m (16' 5") Tracks
2 speed

OPTIONS

Remote control tipping grid
Heavy duty woven mesh
Punch plate
Reversing cooling fan
Telematics
Advanced remote control for multi-function and machine tracking
Additional hopper side extensions
Front hydraulic support legs
Different paint colour

CUSTOMER SUPPORT

With you every step of the way

We work with our customers to understand their equipment needs to select the product most suited to their business requirements. Terex Ecotec customer support incorporates a range of services including parts, technical support, warranty and financial services.



The Right Part at the Right Time

Terex Ecotec has a full inventory of genuine Terex parts through our global support locations and dealer network. We are committed to getting the right parts delivered at the right time. Using genuine Terex parts ensures optimum performance and reliability.



Warranty Delivering on our promise so you can keep yours

Terex Ecotec warrants its new equipment to be free of defects in material or manufacture for a specified period from the date the equipment is first used.



Expert technical support

Terex Ecotec provide highly qualified service personnel to ensure that we have the ability to provide technical support when our customers need it. This support is provided in conjunction with our dealer network. We ensure our customers are supported throughout the lifecycle of their machine.



Terex Financial Services Financing that works for you

Terex Ecotec are able to offer finance solutions to our customers. Our team of finance professionals know the importance of working closely with customers to understand their unique business challenges as well as their financial goals and requirements. Obtaining financing is often a time-consuming task, so we work hard to provide a reliable, flexible and responsive service.



**Delivering On Our Promises,
So You Can Keep Yours.**

Specification subject to change without notice



CAMPSIE

20 Keans Hill Road
Campsie Industrial Estate
BT47 3YT, Northern Ireland

Tel: +44 (0) 28 7122 3110

DUNGANNON

32 Farlough Road
Dungannon, Co. Tyrone
BT71 4DT, Northern Ireland

Tel: +44 (0) 28 87 718 500

Dealer Stamp:

NEWTON

22 Whittier Street
Newton, New Hampshire
USA, 03858

Tel: +1 (603) 382 0556

April 2023. The material in this document is for information only and is subject to change without notice. Terex Ecotec assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein. Due to continual product development we reserve the right to change specifications without notice. Any 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 text examples provided. These results will vary depending on product settings, screen media and sizes, feed source and types of material being processed. Photographs are for illustrative purposes only. Some or all of the machines in the illustrations may be fitted with optional extra. Products and services listed may be trademarks, service marks or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries © 2023 Terex Corporation.