PRODUCT
SPECIFICATION

A TEREX BRAND

PRE-SCREENER

PORTABLE SCREENER



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PRE-SCREENER
PORTABLE SCREENER



TONS PER HOUR
150+

ENGINEERED FOR MAXIMUM PRODUCTIVITY AND VERSATILITY

High-volume screening built to keep production moving. Available in Diesel or Electric.

The CBI Pre-Screener is designed to take on demanding material streams before they ever reach the grinder. Capable of screening more than 150 tons per hour, it separates abrasive fines and ferrous metal from the feedstock while keeping material moving through the operation. From land-clearing and yard waste to log-yard debris and heavily contaminated C&D material, the Pre-Screener helps turn challenging feedstock into a more manageable, productive material stream.

By removing unwanted material before grinding, the Pre-Screener helps reduce wear and maintenance demands on downstream equipment while increasing grinding throughput. It can also work in tandem with a CBI grinder, giving high-volume operations a practical way to protect their primary processing equipment without sacrificing production. The result is a screening solution built around what matters in the field: consistent material flow, less unnecessary wear, and more productive hours on the job.

PRE-SCREENER
PORTABLE SCREENER

KEY FEATURES:

APPLICATIONS



LAND CLEARING

BIOMASS PRODUCTION

PULP AND PAPER

FORESTRY & WOOD PROCESSING

MULCH AND LANDSCAPE

LARGE SCREENING AREA

66” WIDE × 16’ LONG SCREEN WITH 16 SHAFT ASSEMBLIES.

HEAVY-DUTY INFEED

20’ × 60” FEED CONVEYOR AND A HEAVY-DUTY FLUTED 12-YARD HOPPER DESIGNED FOR BRUSH AND DEMOLITION MATERIAL.

OVERS DISCHARGE

KEEPS SEPARATED OVERSIZED MATERIAL MOVING EFFICIENTLY THROUGH THE OPERATION.

CATWALKS ON BOTH SIDES

PROVIDES CONVENIENT ACCESS ALONG THE MACHINE.

WHEELED CONFIGURATION

DESIGNED AS A PORTABLE SCREENING SOLUTION THAT CAN MOVE WHERE THE WORK DEMANDS IT. THE EXISTING BROCHURE SPECIFIES A DOUBLE-AXLE TRAILER WITH 12 SUPER-SINGLE WHEELS.



TILTING CONVEYOR

ALLOWS THE DISCHARGE CONFIGURATION TO ADAPT TO THE MATERIAL-HANDLING SETUP.

KINGPIN

A TRANSPORT-FOCUSED CONNECTION POINT THAT REINFORCES THE MACHINE’S PORTABLE DESIGN.

DUAL HYDRAULIC COOLERS

SUPPORTS THE HYDRAULIC SYSTEM DURING DEMANDING PRODUCTION ENVIRONMENTS.

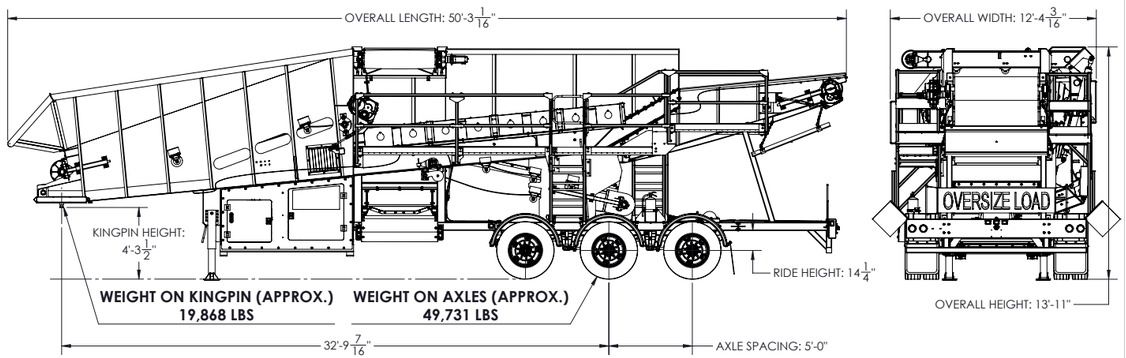
DIESEL OR ELECTRIC

GIVES OPERATIONS FLEXIBILITY WHEN SELECTING A POWER CONFIGURATION.*

TECHNICAL DATA

FEED CONVEYOR:
20' long x 60" wide load hopper with high sides
440 4-ply belt
18" pulley, 3-7/16" shaft
SCREENER:
63" wide x 16' long and includes 16 heavy-duty shaft assemblies
Each shaft assembly consists of 6" tube, 500 AR delta flights, 2-15/16" shaft and bearings
Motor and chain drive for shaft assemblies
Heavy-duty formed channel frame, 4' high sides
Totally enclosed chain guards, with chain lube access doors.
BELLY CONVEYOR:
13'-9" long x 60" wide, belt rides on idlers
330 3-ply belt
12" pulleys; 2-7/16" shaft bearings
Conveyor mounted under screen to convey fines to side stacking conveyor
DISCHARGE CONVEYOR:
15' long x 60" wide discharge conveyor, belt rides in an AR steel trough
330 3-ply belt
16" pulleys, 2-15/16" bearings
Optional magnetic head pulley
Service platform, both sides
SIDE DISCHARGE CONVEYOR:
27' long x 48" wide, belt rides in 20-degree troughing idlers
220 2-ply belt
12" pulleys, 2-7/16 bearings
12'-5" discharge height
Hydraulic linkage for the folding conveyor when transporting

TRAILER:
Trailer is a uni-body construction
Two heavy-duty, tube-in-tube manually operated stabilizers in front w/ pivot feet
Tri-axle suspension
5' Axle Spacing
107" Track Length
12 steel wheels with 11R22.5 tires
POWER UNIT:
125HP electric motor, 1800rpm
Full power unit enclosure
Timing belt drive power transfer, 1.25:1 ratio
HYDRAULIC SYSTEM:
100-gallon tank
Two load sense piston pumps
Six section load sense PVG valve and a single section load sense PVG valve
Hydraulic driven oil coolers
ELECTRIC SYSTEM:
480VAC; 52.9 amps (normal load), 157.3 amps (full load)
3 Phase Surge Protection
Two emergency stop switches
Electric Hour Meter
Delayed Start Alarm
Electric Forward and Reverse control for Feed Conveyor, Screener, and Discharge Conveyor
Motor Temperature Shutdowns
Motor soft starter





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