

SCREEN MACHINE INDUSTRIES™

AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING AND SCREENING EQUIPMENT

CXT / CONE

WEIGHT: 80,000 LBS
(36,287 KG)



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OVERVIEW

The Screen Machine CXT Cone Crusher is a heavy-duty, track-mounted portable crushing plant designed for secondary crushing of hard rock into consistent cubical sizes.

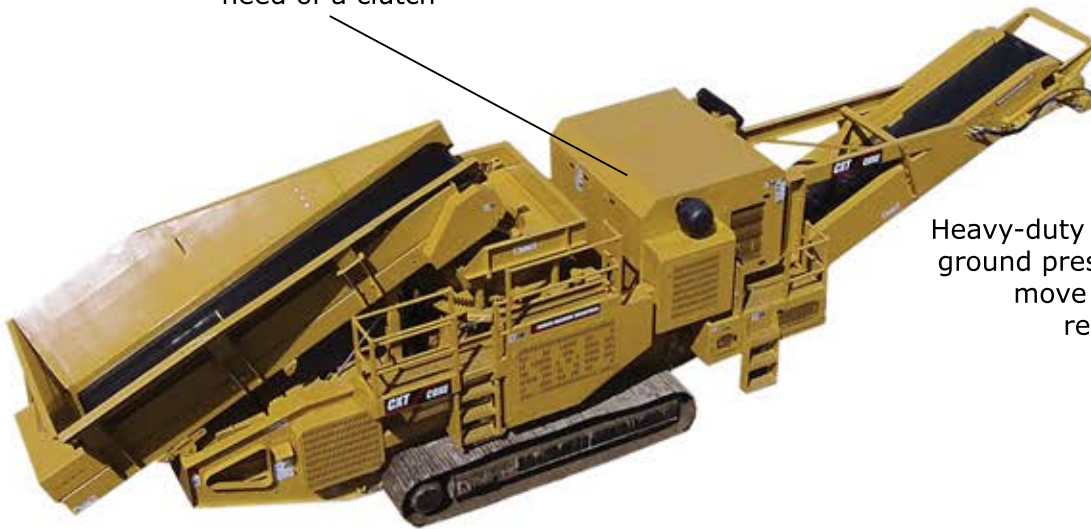
USA made Grade 80 steel construction for outstanding strength (twice the strength of mild steel) eliminates the need for support legs and highly reduces wear

40" (1m) Heavy-duty cone crusher, tramp relief and hydraulic adjustment



Caterpillar® C-13 ACERT 415HP (310 kw) diesel engine coupled directly to the crusher through a Transfluid® hydraulic coupling supplies plenty of power without the need of a clutch

Multiple fixed catwalks and lockable access doors for safety & ease of maintenance



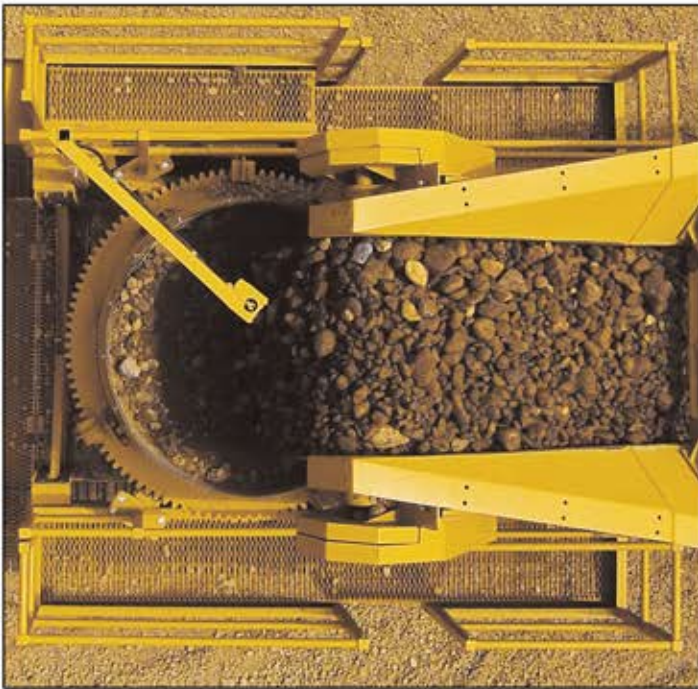
Heavy-duty tracked undercarriage with low ground pressure to efficiently support and move the machine via wireless remote control handset



Specifications Subject To Change Without Notice

CONE CRUSHER

- 40" (1m) Heavy-duty cone crusher with pedestal main shaft
- Optimized choke-fed operation with automatic feed control
 - High speed rock-on-rock crushing
 - Provides ideal cubical-shaped material output
- Quickly adjust CSS with hydraulic drive
 - One piece cast high strength alloy steel frame
- Hydraulic clamping and tramp relief systems
- Bronze bushings with additional oil porting for optimum lubrication
 - Spiral cut hardened bevel gears with carburized pinions
- Oil lubrication with automatic shut down sensors for high oil temperature
- Universal head and support bowl allows for multiple liners
 - Maximizes crusher application flexibility



CXT CONE CRUSHER

ENGINE

- Caterpillar® C-13 ACERT 415HP (310 kw)
- Diesel engine meets US EPA flex certifications
- Large lockable engine compartment
 - Walk-in area provides ease of maintenance on all service access points
- Fuel tank 220 gal (837L)
- Hydraulic tank with cooler 105 gal (398L) capacity
- Lube oil tank 75 gal (284L)



FLUID COUPLING

- Transfluid® hydraulic fluid coupling
 - Provides smooth startup and shutdown operations of crusher without the risk of excessive wear or catastrophic failure
- Designed to permit instantaneous crusher stoppage due to steel or other large uncrushable material
 - Slips fluid on fluid, causing no wear, unlike mechanical clutches
- Operator can disengage the crusher, move the machine, and re-engage the crusher as quickly as you can read this

STRUCTURE

- Massive unibody structure features unrivaled deep frame design
 - Heavily designed frame handles the high stresses of uneven loading, vibration during operation, and rough terrain during movement
- USA made Grade 80 steel construction
 - Grade 80 steel's yield strength of 80,000 psi is more than double the yield strength of mild steel's 36,000 psi. While Grade 80 steel may look the same as other steel, it will last significantly longer, prolonging the life of major wear components while helping keep the overall machine transport weight manageable
- Elevated frame design equates to rapid set up
 - High ground clearance uniquely eliminates the need for any machine disassembly or extensive site preparation prior to movement



REMOTE OPERATING SYSTEM & CONTROL PANEL

- Wireless remote means never leaving the safety of the loader cab to reposition the CXT Cone and resume material processing
- Remtron® wireless remote control with 300 ft. (91m) range
 - Feeder shut-off
 - Full track motion and speed (high and low)
 - Machine shut-off control button
- Detailed control panel allows for ease of operation
- Digital crusher speed readout
- Operational push button controls and warning lights
- Four emergency stops mounted on machine for safety
- Optional tethered pendant controller



CONVEYORS

- Precision head & tail pulleys with spherical roller bearings
- Rubber disc return rollers and guide idlers on all belts
- Feeder Belt
 - 42" (1.06m) Wide 330 PIW variable speed conveyor with impact bed
 - USA made Grade 80 steel hopper walls
 - Dual hydraulic drive with impact wrap idler for additional traction
 - Conveyor hydraulically raises from transport position to operating position
- Discharge Belt
 - 42" (1.06m) Wide 330 PIW material discharge belt with skirted liners
 - Large Dodge® gear reducer with hydraulic drive motor
 - Impact bed below crusher discharge prevents belt damage
 - Martin Engineering® belt scraper for optimal cleaning
- Optional Dust Suppression System



CXT CONE CRUSHER

UNDERCARRIAGE

- Heavy-duty design for optimum grade climbing ability
 - Low speed for maneuvering and high speed for long distance travel
- Track operation is controlled from a safe distance via remote control
- Wide 24" (600mm) track pads create low ground pressure



SERVICEABILITY

- Multiple non-slip platforms with ladders
- Key lock doors to service locations and tool storage compartment
- Service manuals in book form and digital format
- Rapid response parts availability
- Free lifetime telephone and email technical support



CRUSHER-SCREENING COMBINATIONS

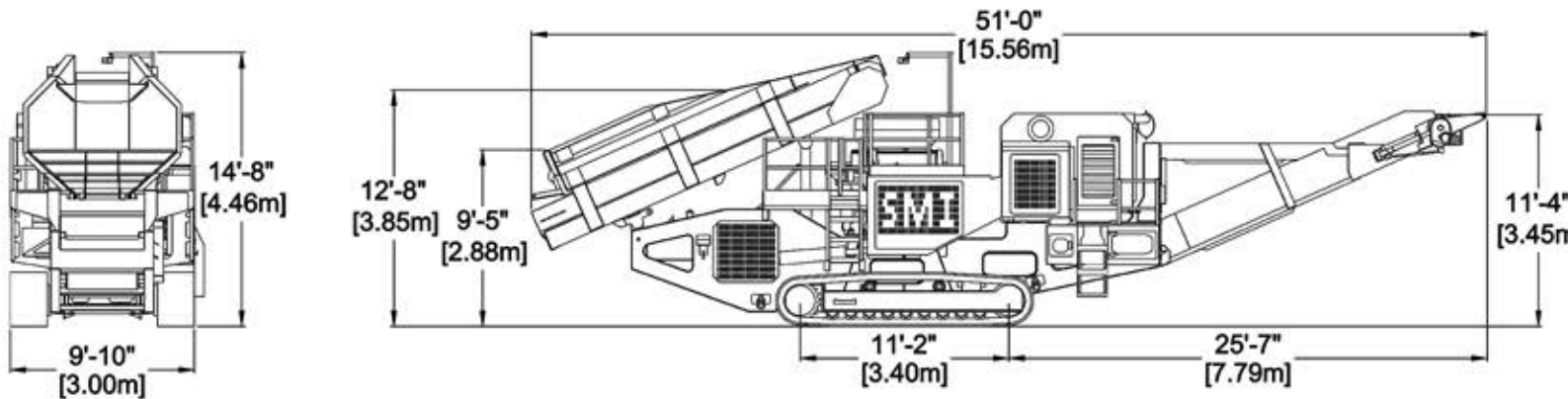
The Screen Machine CXT Cone Crusher is designed to match up as a secondary crusher to the Screen Machine primary JXT/JHT Jaw Crushers or the 4043T Impact Crusher. Add a Spyder Screening Plant to separate the CXT Cone crushed aggregate into three or even four different sizes. Track mounted portable stacking conveyors can be added to increase the stockpiling capacity and reduce the frequency of plant repositioning. Choose Screen Machine Industries to supply your mining operation with the entire portable processing plant for years of production and reliability.



Combination plant featuring a JHT Jaw Crusher & CXT Cone Crusher



OPERATING DIMENSIONS

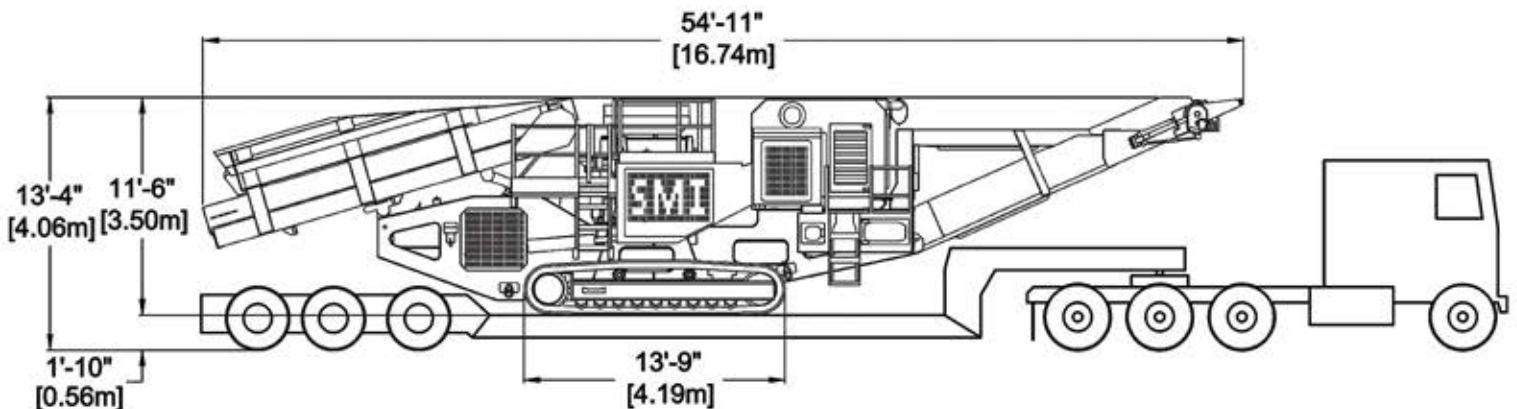


Operating Length: 51'-0" (15.56m)

Operating Width: 9'-10" (3m)

Operating Height: 14'-8" (4.46m)

TRANSPORTATION DIMENSIONS



DESIGNED FOR EASE OF TRANSPORT TO JOB SITE

Length: 54'-11" (16.74m)

Width: 9'-10" (3m)

Height (Machine): 11'-6" (3.50m)

Height (Machine on Trailer): 13'-4" (4.06m)

Weight: (Est.) 80,000 lbs (36,287 Kg)



SCREEN MACHINE INDUSTRIES™

AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING AND SCREENING EQUIPMENT

Screen Machine Industries LLC is an innovative American manufacturer of portable machinery dedicated to material crushing, screening and stockpiling. Our product offering provides solutions ranging from 15-600 tons/yards per hour across a vast array of applications (such as sand & gravel, concrete & asphalt, topsoil & compost products). Our successful engineering philosophy is to incorporate reliable brand name components and industry leading features with the highest quality manufacturing techniques. This philosophy has prominently driven our success since 1966.



Screen Machine Industries LLC
Corporate Headquarters

The manufacturing process includes the utilization of CNC fabrication equipment, robotic welders, advanced painting facilities and highly skilled mechanical technicians assembling these machines. Multiple levels of quality control and thorough run-time inspections are in place to ensure the quality and reliability that we demand and that you expect.

Screen Machine Industries LLC continues to make substantial investments in research and development. Our highly skilled engineers, combined with the latest software and technology, create the most innovative products in the crushing and screening industries. Numerous U.S. Patents have been awarded as a result of our creative ambition in developing machinery that we feel is superior to any in the industry. We also strive to add the best design engineers available to our organization. Our engineers are graduates of MIT and other prestigious universities throughout the United States.

Our diverse product line consists of heavy-duty, track-mounted Jaw, Cone and Impact Crushers, Spyders, Scalpers, Trommels, and Shredding Plants. Our portable stacking conveyors complete the product lineup with sizes available to fit most every job.



SCALPER 107T



4043T IMPACT CRUSHER



6036T TRACK CONVEYOR



SPYDER SCREENING PLANTS



JXT/JHT JAW CRUSHER

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