

SCREEN MACHINE INDUSTRIES

AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING AND SCREENING EQUIPMENT

5256T IMPACT CRUSHER



10685 COLUMBUS PARKWAY, ETNA, OHIO 43062 USA

1-740-927-3464 800-837-3344 (USA ONLY) WWW.SCREENMACHINE.COM

Quality Engineering By Design..

52" x 15'-0" Vibratory Grizzly Feeder with a 16'-0" Long Hopper

52" x 56" Horizontal Impact Crusher

Remote Control Crusher Relief System
(US Patent 7,229,04)

CharLynn® Hydraulic Motors



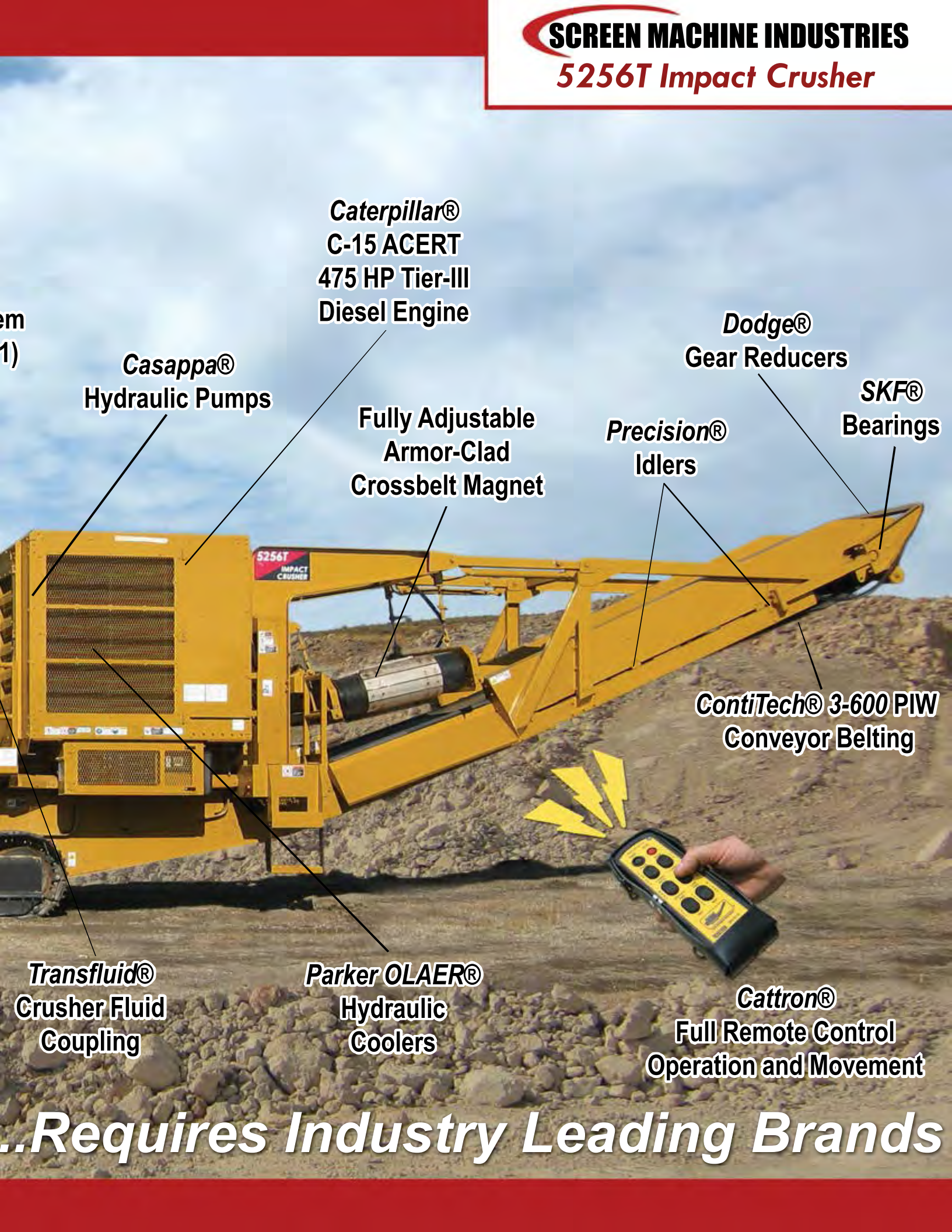
Sherwin Williams®
Paints

Precision®
Head & Tail
Pulleys

Grade 80
American
Steel
Construction

Energy®
Cylinders

Browning®
Couplings & Bushings



**Caterpillar®
C-15 ACERT
475 HP Tier-III
Diesel Engine**

**Casappa®
Hydraulic Pumps**

**Dodge®
Gear Reducers**

**Fully Adjustable
Armor-Clad
Crossbelt Magnet**

**Precision®
Idlers**

**SKF®
Bearings**

**ContiTech® 3-600 PIW
Conveyor Belting**

**Transfluid®
Crusher Fluid
Coupling**

**Parker OLAER®
Hydraulic
Coolers**

**Cattron®
Full Remote Control
Operation and Movement**

...Requires Industry Leading Brands

KEY FEATURES

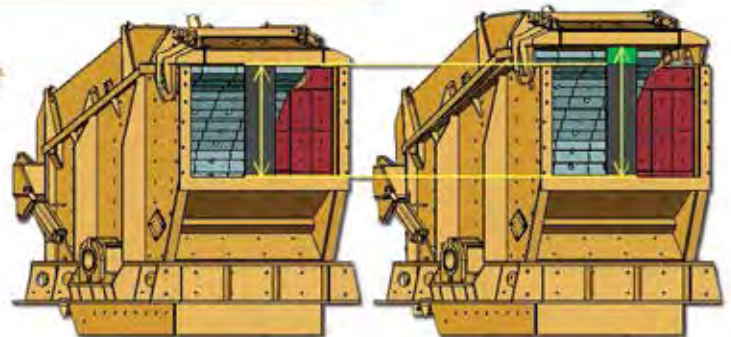
CRUSHER



- 52" x 56" horizontal impact crusher
 - Years of proven engineering and design reliability
- Large 56" wide x 38" high feed inlet opening
- 52" diameter rotor with 4 blowbars (2 active)
- Variable speed control from 480 rpm to 560 rpm
- Two sets of hydraulically adjustable aprons
 - For multi-stage crushing
- Remote Crusher Relief System (US Patent # 7,229,041)
- Low chrome ceramic reversible blowbars (Standard)
- High chrome ceramic blow bars (Available by request)
- Low chrome steel blow bars (Available by request)

CRUSHER RELIEF SYSTEM

- Raise and lower of crusher lid curtain
- Curtain lid operated by remote control
- Hydraulically raise crusher lid up to 6" during full operation
 - Effectively clears marginally oversized and bridged materials (raise from 38" to 44")
 - Reduces the need to pre-break material prior to crushing
 - Eliminates the need to reduce feed volume for fear of material bridging
- US Patent # 7,229,041



Operating Position

Blockage Clearance

ENGINE



- Power supplied by a Caterpillar[®] C-15 ACERT Tier III 475 HP diesel engine
- Electronic control of engine speed ranges from 1800 to 2100 rpm
- 6 cylinder water-cooled with Murphy[®] shut-downs
- Large lockable engine compartment with easy, walk-in maintenance access
 - Provides ease of maintenance on all service access points
- 275 gallon diesel fuel tank
- 130 gallon baffled hydraulic tank with two large oil coolers
 - Maintains a cool running hydraulic system
- Transfluid[®] crusher fluid coupling
 - Replaces standard clutch providing smooth start-up & shut-down operations
- Fluid coupling design allows instantaneous rotor stoppage
 - Allows for sudden stops, promotes long belt life, no mechanical adjustments or expensive clutch breakdowns!

UNDERCARRIAGE

- The 5256T Impact Crusher utilizes a heavy-duty undercarriage
Ensuring long term reliability, world-wide parts availability and product support
- Upgraded drive motors provide optimum grade climbing and turning ability
Equipped with low speed and high speed settings. Use low speed for precise maneuvering and repositioning and high speed for long distance travel
- Track operation is controlled from a safe distance
Wireless remote control handset used for movement and operation



STRUCTURE



- Massive unibody structure features unrivaled deep frame design
Massive unibody frame handles the high stresses of uneven loading during operation and rough terrain during movement.
- USA Grade 80 steel construction
High strength wear resistant steel ensures long life structural integrity to address the most demanding jobsite applications.
- Elevated frame design equates to rapid deployment and set-up
11" ground clearance uniquely eliminates the need for any machine disassembly or site preparation prior to movement.

REMOTE OPERATING SYSTEM & CONTROL PANEL

- Cattron® wireless remote control with 300' range
Variable feeder speed
Crusher relief system
Track speed (high & low)
Movement left, right, forward and backward
Emergency machine stop button
- Never leave the cab of the loader to move the 5256T and resume material processing
- Detailed control panel allows for ease of operation
- Optional wired pendant controller



SCREEN MACHINE INDUSTRIES

5256T Impact Crusher

FEEDER



- 52" x 15'-0" vibratory grizzly feeder
 - Vibratory feeder includes a stepped grizzly with 1 1/2" nominal opening
- 16'-0" long hopper opening for wheel loader feeding
- Remote control variable speed from 575 to 850 rpm
- AR400 tapered grizzly bars
- AR400 feeder deck with replaceable liner plates
- Grizzly/crusher bypass lever for fines removal
- Use of sheave drive allows hydraulic motor to work in optimal speed range, resulting in long life of motor
 - Hydraulic motor is protected from falling debris and loaders

MAGNET

- 48" x 7'-0" fully adjustable cross-belt permanent magnet
 - Four corner ratchet adjustment
- Reversible direction
- Heavy-duty belt with armor plating and flights for extended belt life
- Stainless steel chutes on both sides of conveyor
 - Prevents magnetic material build-up
- Impact bed under magnet for optimal controlled performance



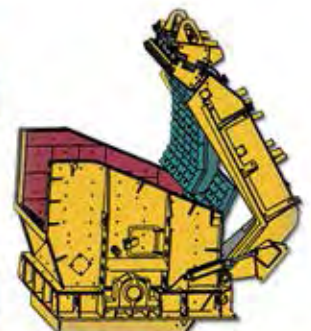
CONVEYORS



- 54" wide ContiTech[®] 3-600 PIW main belt
- 12'-7" main belt discharge height
- Rubber disc return rollers
- Guide idlers for centered belt tracking
- Precision[®] head and tail pulleys with spherical roller bearings
- Main belt and side belt are directionally reversible
- Large Dodge[®] gear reducer with hydraulic drive motor
- Impact bed below crusher discharge
- Fines side conveyor with 24" belt
- 7'-5" side conveyor discharge height

SERVICEABILITY

- Walk-in engine compartment
- Split crusher housing for complete maintenance access
- Lockable tool storage compartment
- Multiple non-slip service platforms with ladders
- Service manuals in book form or electronic format
- Factory-based parts availability
- Lifetime toll-free engineering support



SPYDER 516T SCREENING PLANT

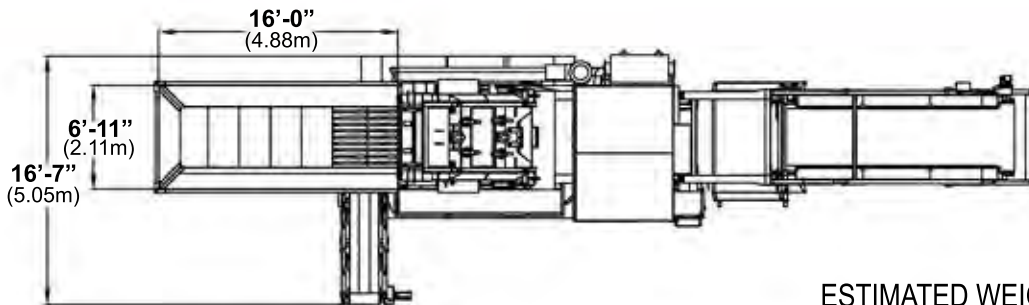


Screen Machine Industries' Spyder 516T is a perfect match to the 5256T Impact Crusher. This wireless remote-controlled 3-way split screening plant satisfies the need for a heavy-duty machine to process large volumes in the most demanding applications. This unit can operate alone or in tandem with the 5256T Impact Crusher (as shown to the left).

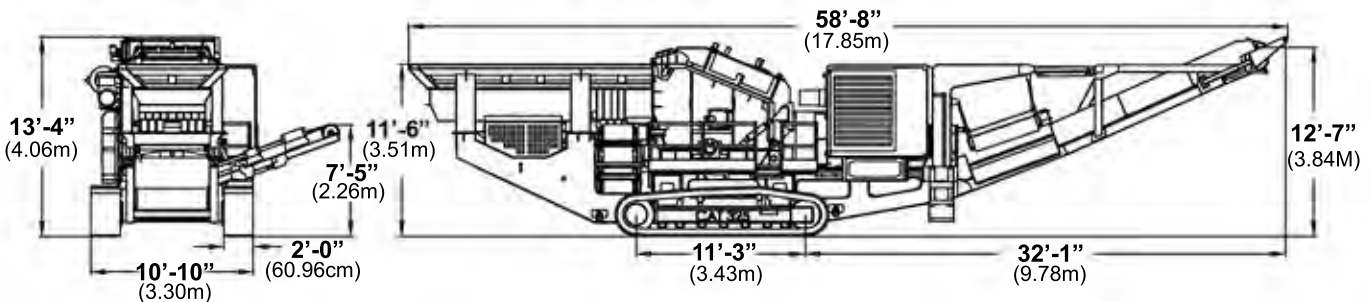
Features Include:

- Patented overall machine design allows loaders to uniquely feed from 3 sides of the feeder while maintaining a safe distance from conveyors and stockpiles
- Massive structural components manufactured from Grade 80 USA Steel for superior durability
- Industry leading brand name components to ensure peace of mind investment
- Impact beds and apron feeders support severe-duty applications
- Straight pass through design engineered to process large oversize materials
- 5' x 16' (1.5M x 4.9M) double-deck shaker screen uses patented *Smooth Start*™ technology

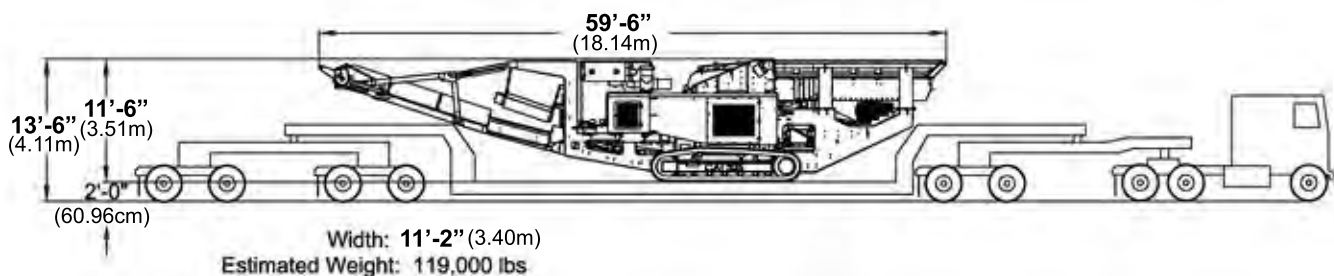
OPERATING DIMENSIONS



ESTIMATED WEIGHT: 119,000 lbs.



TRANSPORTATION DIMENSIONS



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 computer 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, Spydres, Scalpers, Trommels and Conventional Screening and Shredding Plants. Our portable stacking conveyors complete the product lineup with sizes available to fit most every job.



SCALPER 107T



SPYDER 516T



4043T IMPACT CRUSHER



CST CONE CRUSHER



JXT JAW CRUSHER

SCREEN MACHINE INDUSTRIES LLC

10685 Columbus Parkway
Etna, Ohio 43062 USA

1-740-927-3464 800-837-3344 (USA Only)

email@screenmachine.com

www.screenmachine.com

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