SCREEN MACHINE INDUSTRIES, INC.

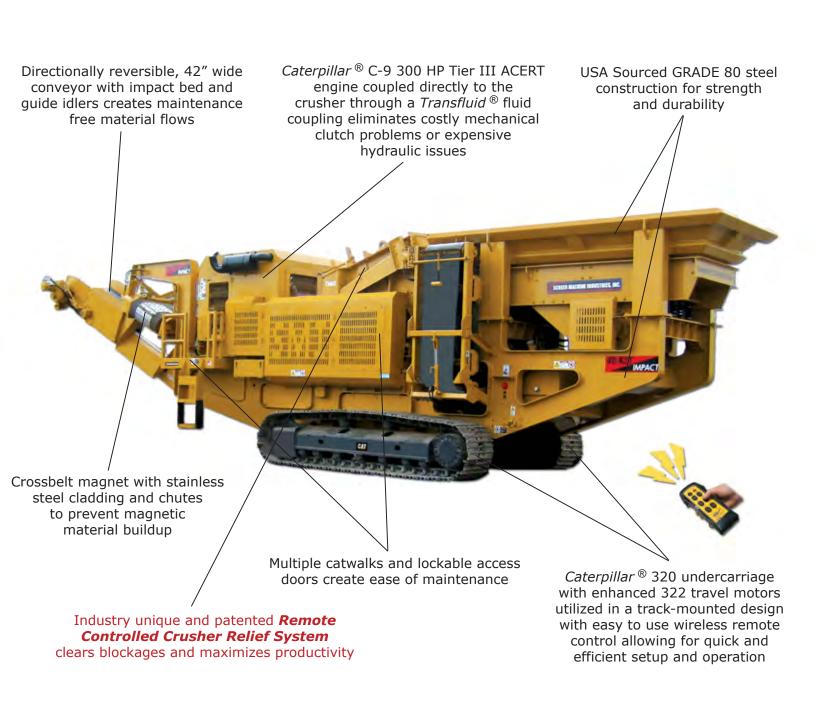
AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING AND SCREENING EQUIPMENT

4043T IMPACT CRUSHER



OVERVIEW

Screen Machine Industries is a global leader in crushing and screening equipment with manufacturing headquarters located in Columbus, Ohio, USA.



KEY FEATURES

CRUSHER

- 40" (1.02m) x 43" (1.09m) horizontal impact crusher Years of proven engineering and design reliability
- Large 43" wide (1.09m) x 32" (.81m) high feed inlet opening
- Variable speed control from 600-700 rpm
- Two fully adjustable aprons
 For multi-stage crushing
- Remote Crusher Relief System (U.S. Patent # 7,229,041)
- Low chrome ceramic reversible blow bars (standard)
 Optional high chrome ceramic or low chrome steel blow bars
- 4 bar rotor design
 - 2 active low chrome ceramic bars & 2 inactive low chrome steel "dummy bars"

Visit www.screenmachine.com to view working jobsite videos of the 4043T Impact Crusher



PATENT

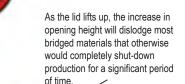
7,229,041

CRUSHER RELIEF SYSTEM

- Raise and lower of crusher lid and attached aprons
- Crusher lid operated by remote control
- Hydraulically raise crusher lid up to 6" during full operation
 Effectively clears marginally oversized and bridged materials (raise opening from 32" to 38")
 Eliminates the need to reduce feed volume for fear of material bridging

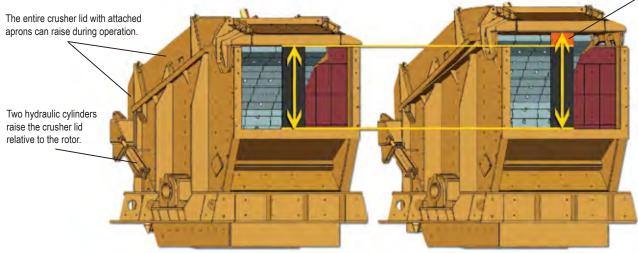
Operating Position

U.S. Patent # 7,229,041



Multiple safety features

including sensors, mechanical stops and material guards guarantee safe operation.



Blockage Clearance

SCREEN MACHINE INDUSTRIES, INC. 4043T IMPACT CRUSHER

ENGINE

- Power supplied by a Caterpillar® C9 300 HP Tier III ACERT diesel engine
- Electronic control of engine speed ranges from 1800 to 2200 rpm
- 6 cylinder water-cooled with 4 Murphy® shut-downs
- Large, lockable engine compartment with easy walk-in maintenance access
 Provides ease of maintenance on all service access points
- 175 gallon (663 liter) fuel tank and 105 gallon (398 liter) hydraulic tank
 Hydraulic cooler maintains a cool running hydraulic system



FLUID COUPLING

- Transfluid® 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 uniquely disengage the crusher, move the machine and re-engage the crusher as quickly as you can read this

UNDERCARRIAGE



- The 4043T impact crusher utilizes a Caterpillar[®] 320 undercarriage
 Ensuring long term reliability, world-wide parts availability and product support
- Upgraded 322 drive travel motors provide optimum grade climbing and turning ability

Idle engine speed allows the 4043T to be maneuvered slowly, for precision driving, while full engine speeds allow for tracking in all environments at low and high speeds

Track operation is controlled from a safe distance

Wireless remote control handset used for movement and operation

The Value of a Caterpillar® Undercarriage

Simply stated...many manufacturers of moving undercarriage components, including link assemblies, rollers, idlers & sprockets, (which represents up to 75% of the cost of the completed lower arrangement) do not have the stringent processes in place that yield quality components. Varying hardness levels, material specifications & manufacturing processes will often produce an inferior component leading to unpredictable wear rates, service points & ultimately destruction. The result is increased and unscheduled downtime causing increased operating costs and lower profits. Caterpillar® moving undercarriage components all go through special heat treating processes which provide consistent surface hardness, superior hardened depth & core hardness levels. The resultant components, be it a link, roller, sprocket or idler, have a distinct metallurgical advantage which yields superior wear resistance, strength & durability for long term service life. Screen Machine Industries, Inc. is committed to utilizing name brands that deliver maximum performance at the lowest operating costs per hour.

STRUCTURE

- Massive unibody structure features unrivaled deep frame design
 Unibody frame handles the high stresses of uneven loading during operation and rough terrain during movement
- USA sourced 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

- Remtron® wireless remote control with 300 ft. (91m) range Variable speed feeder with feeder shutoff Crusher relief system Full track motion and speed (high and low)
 - Movement left, right, forward and backward
 - Engine shutoff control button
- Wireless remote means never leaving the safety of the loader cab to reposition the 4043T and resume material processing
- Detailed control panel allows for ease of operation
- Four emergency stops mounted on machine for safety
- Optional Tethered Pendant Movement



FEEDER



- 40"x13'-0" (1m x 4m) vibratory grizzly feeder
- 14'-0" (4.3m) long feed hopper opening
- Fixed hopper allows for quick setup and teardown No folding hopper walls to manipulate
- Grade 80 steel hopper wall construction
- AR400 replaceable liner plates on feeder deck
- T1 tapered grizzly bars for pre-screening
- Variable speed feeder range from 600 to 900 rpm
- 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

- Cross-belt permanent magnet
 Four corner rachet adjustment for raise and lower
- Reversible direction
- Heavy duty belt with armor plating and flights for extended belt life
- Stainless steel chutes on both sides of the conveyor
 Prevents magnetic material build-up
- Impact bed under magnet for optimal controlled performance
- Variable speed magnet belt



SCREEN MACHINE INDUSTRIES, INC. 4043T IMPACT CRUSHER

CONVEYORS



Main belt:

42" (1.07m) wide 440 PIW Global® belt
10'-9" (3.28m) main belt discharge height, reversible in direction
Precision® head & tail pulleys with spherical roller bearings
Martin Engineering® belt scraper for optimum cleaning
Large Dodge® reducer with hydraulic drive motor
Impact bed below crusher discharge prevents belt wear
Rubber disc return rollers and guide idlers on all belts

Side stacker:

Fines side conveyor with 24" (600mm) 220 PIW belt 7'-0" (2.11m) discharge height Crusher bypass lever allows for optional fines removal

Optional dust suppression system





SERVICEABILITY

- Split crusher housing for complete maintenance access
- Multiple non-slip platforms with ladders
- Key lock doors to service locations and tool storage compartment
- Service manuals in book form or electronic format
- Rapid response parts availability
- Free lifetime telephone and email technical support



Service Position

SPYDER 516T



For more information about the Spyder 516T visit www.screenmachine.com



Spyder 516T is covered by US patents 6,669,026 and 6,698,594

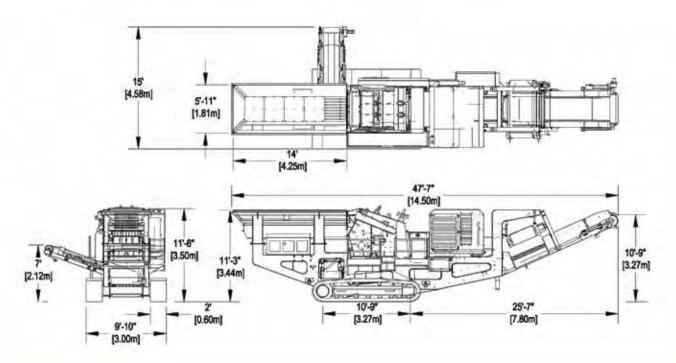
Screen Machine Industries' Spyder 516T is a perfect match to the 4043T Impact Crusher. This wireless remote controlled 3-way split screening plant satisfies the need for a heavy-duty machine to process large volumes in the most demanding applications. This unit can operate alone, or in tandem with the 4043T Impact Crusher (as shown below).

Features include:

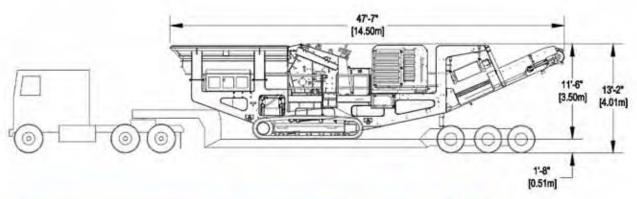
- Patented overall machine design allows loaders to uniquely feed from 3 sides of the feeder while maintaining a safe distance from conveyors and stockpiles
- Massive structural components manufactured from Grade 80 USA Steel for superior durability
- Leading American brand name components to ensure peace of mind investment
- Impacts beds and apron feeders support severe duty applications
- Straight pass through design engineered to process large oversize materials
- 5'x16' (1.5m x 4.9m) double deck shaker screen uses patented Smoothstart® technology



OPERATING DIMENSIONS



TRANSPORTATION DIMENSIONS





DESIGNED FOR EASE OF TRANSPORT TO JOB SITE

Length: 47'-7" [14.15m] Width: 9'-10' [3.00m] Height: 11'-6" [3.50m] Weight: 79,500 lbs [36,061 kgs]