



THE SCREEN MACHINE[®]

CRUSHING DIVISION

4043T IMPACT CRUSHER

WEIGHT: 79,000 lb.



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THE SCREEN MACHINE®
CRUSHING DIVISION

Quality Engineering By Design....



....Requires Industry Leading Brands



KEY FEATURES

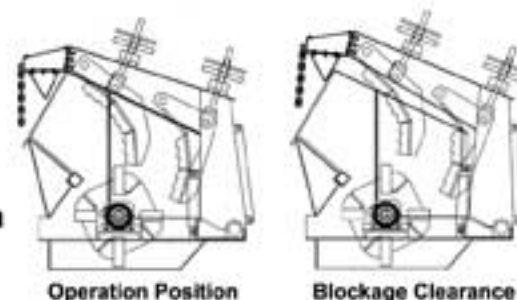


Crusher

- **40" x 43" Horizontal Impact Crusher**
Years of Proven Engineering and Design Reliability
- **Large 43" Wide x 32" High Feed Inlet Opening**
- **40" Diameter Rotor with 4 Blow Bars** (Two Active)
- **Multi-Stage Crushing Utilizing Two Sets of Adjustable Curtains**
- **Variable Speed Control From 600 RPM to 700 RPM**

Curtain 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**
To Effectively Clear Bridged or Marginally Oversized Material
- **Patents Pending**



Engine

- **Power Supplied By Caterpillar® C-9 ACERT 300 HP Diesel Engine**
- **Electronic Control of Engine Speed Ranges From 1800 to 2200 RPM**
- **Large Lockable Engine Compartment**
Provides Ease of Maintenance on All Service Access Points

Hydraulic Clutch

- **Transfluid® Hydraulic Clutch**
Provides Smooth Start-Up and Shut-Down Operations of the Crusher Without Risk of Excessive Wear
- **Designed To Permit Instantaneous Stoppage**
Due To Steel or Other large Un-Crushable Material Without Consequence



Specifications Subject To Change Without Notice



Undercarriage



- **The 4043T Impact Crusher Uses A Caterpillar® 320 Undercarriage**
Ensuring Long Term Reliability, Parts Availability and Product Support
- **322 Drive Motors Provide Optimum Grade Climbing Ability**
In Both Low Speeds and High Speeds
- **Track Operation Is Controlled From A Safe Distance**
Wireless Remote Control Handset Used For Movement Operation

Feeder

- **A 40" x 13'-0" Vibratory Grizzly Feeder**
Features A 14'-0" Long Feed Hopper For Wheel Loader Feeding
Vibratory Feeder Includes 1 1/2" Nominal Grizzly Section
- **Remote Control Variable Speed Ranges From 600 to 900 RPM**
- **A Parker® Drive Motor Is Mounted On The Underside Of Feeder**
Protected From Falling Debris



Remote System

- **Remtron® Wireless Remote Control Operation Including:**
Variable Feeder Speed
Crusher Relief System
Track Speed (High and Low)
Movement Left, Right, Forward and Backward
Emergency Stop

Magnet

- **Reversible Direction**
- **Fully Adjustable Cross-Belt Permanent Magnet**
Four Corner Ratchet Adjustment
- **Heavy Duty Belt With Armor Plating & Flights For Longevity**
- **Stainless Steel Chutes On Both Sides of Conveyor**
For Easy Metallic Separation



Quality Components

- **The 4043T Impact Crusher Features The Finest Components**
Components Include: Parker® Motors, Georgia Duck® Belting, Precision® Pulleys, Goodman Idlers, Dodge® Bearings, Dodge® Reducers, American Standard Fittings, Hoses and Fasteners

Specifications Subject To Change Without Notice

STANDARD SPECIFICATIONS INCLUDED

POWER SYSTEM

Caterpillar® C-9 ACERT 300 HP
 6 Cylinder Water Cooled With Murphy® Shut Downs
 Electronically Controlled Speed 1800-2200 RPM
 Large Lockable Engine Compartment With 3 Sided Access
 Transfluid® Hydraulic Clutch
 175 Gallon Diesel Fuel Tank
 125 Gallon Baffled Hydraulic Tank with Oil Cooler

UNDERCARRIAGE

Caterpillar® 320 Tracked Undercarriage
 Upgrade Drive Motors For 322 Tracked Undercarriage

CONVEYORS

42" Wide 440 PIW Georgia Duck® Main Belt
 10'-9" Main Belt Discharge Height
 Goodman Self-Aligning Idlers For Belt Tracking
 Goodman Rubber Disc Return Rollers
 Precision® Head Pulley With Dodge® Bearings
 Precision® Wing Type Tail Pulley With Dodge® Bearings
 Dodge® Gear Reducer With Parker® Drive Motor
 Main Belt Is Directionally Reversible
 Impact Bed Lined With UHMW Plastic Below Crusher
 Impact Bed Lined With UHMW Plastic Below Magnet
 Fines Side Conveyor With 24" Georgia Duck® Belt
 7'-0" High Side Conveyor Discharge Height

CONTROLS

Remtron® Remote Controls For Operation and Movement
 Digital Variable Crusher Speed Controls
 Digital Variable Feeder Speed Controls
 5 Emergency Stops Control Buttons

OPTIONS

Spray Bar Dust Control Suppression
 High Chrome Ceramic Blow Bars
 Low Chrome Steel Blow Bars
 Lockable Tool Storage Compartment

CRUSHER

40" x 43" Horizontal Impact Crusher
 Large 43" x 32" Inlet Feed Opening
 40" Diameter One Piece Rotor With 4 Blow Bars (2 active)
 Blow Bars Are Reversible Low Chrome Ceramic
 Two Adjustable Curtains
 Remote Curtain Relief System (patent pending)

FEEDER

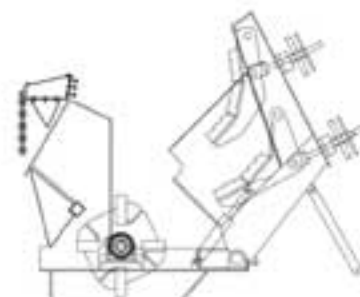
40" x 13'-0" Vibratory Grizzly Feeder
 Feeder Speed Range 600 to 900 RPM
 T-1 Tapered Grizzly Bars With 1 1/2" Nominal Opening
 AR400 Feeder Deck Replaceable Liner Plates
 Grade 80 Hopper Wall Construction
 14'-0" Long Feed Hopper Opening
 Grizzly/Crusher Bypass Lever For Fines Removal

MAGNET

Cross Belt Magnet With 4 Corner Ratchet Adjustment
 Armor-Clad Belt With Flights For Maximum Endurance
 Hydraulically Reversible Direction
 Stainless Steel Chutes On Both Sides Of Conveyor

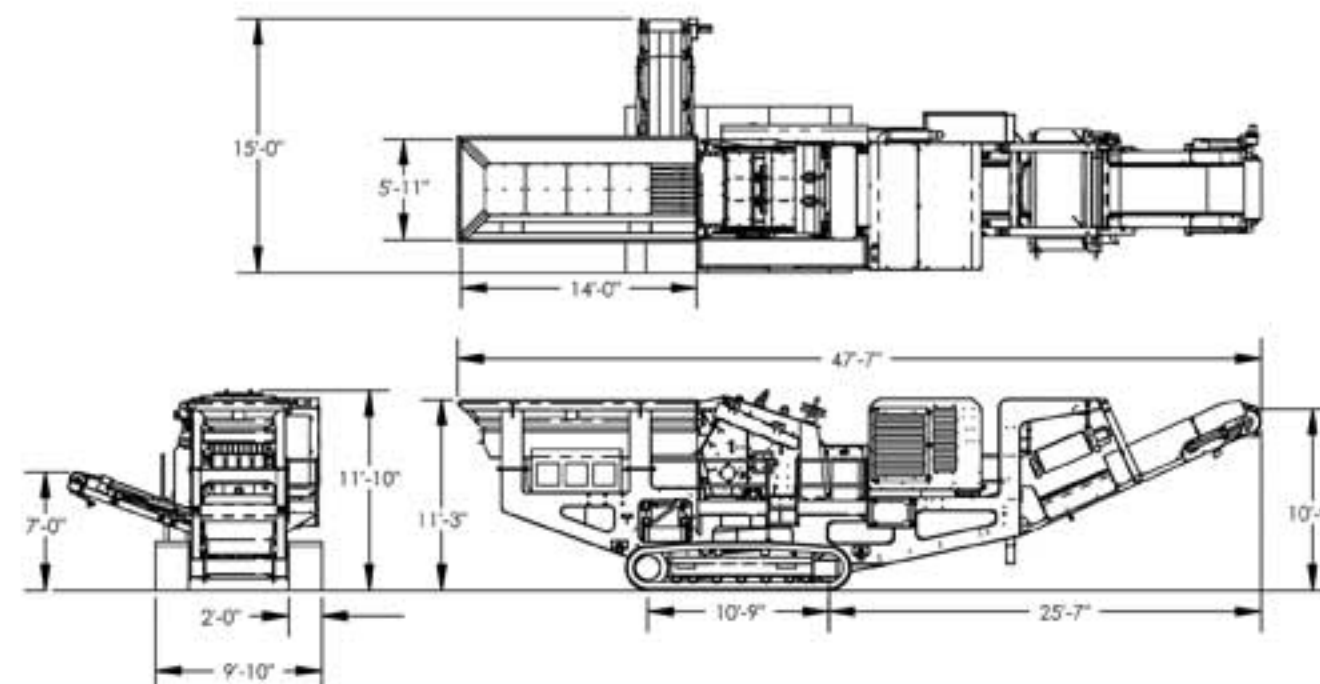
SERVICEABILITY

Multiple Non-Slip Service Platforms With Ladders
 Key Lock Doors To Service Locations
 Service Manuals In Book Form Or Electronic Format
 Factory Based Parts Availability
 Lifetime Toll-Free Engineering Support
 Split Crusher Housing For Three-Sided Maintenance Access

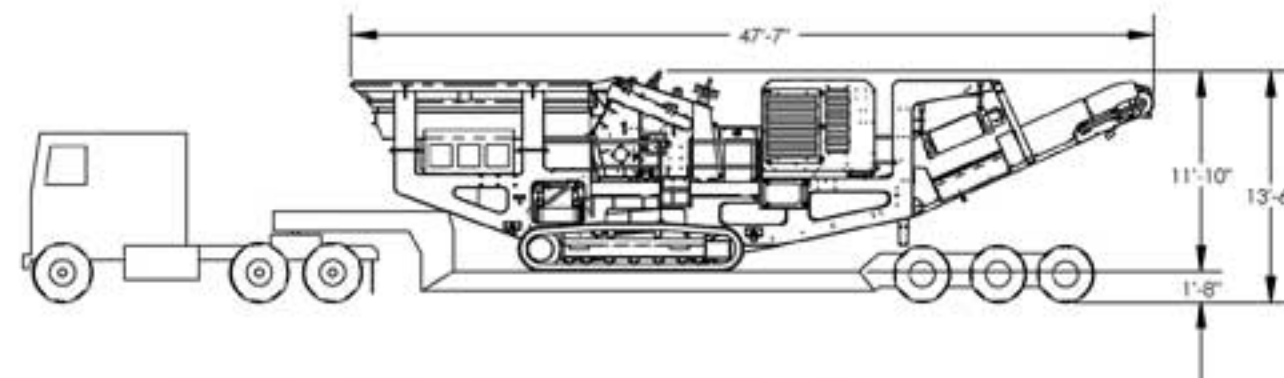


Service
Position

OPERATING DIMENSIONS



TRANSPORTATION DIMENSIONS



DESIGNED FOR EASE OF TRANSPORT TO JOB SITE

LENGTH: 47' - 7"
WIDTH: 9' - 10"
HEIGHT: 11' - 10"
WEIGHT: 79,000 LB



THE SCREEN MACHINE®

CRUSHING DIVISION

THE SCREEN MACHINE® SPYDER 516T is a patented, track-mounted, portable screening plant designed to match up perfectly with the **4043T IMPACT CRUSHER**.

The **SPYDER 516T** features an open hopper design with an impact bed capable of pre-screening prior to crushing. Other uses include screening out three finished products (as shown), simultaneously saving time, increasing productivity and yield.

Multiple features include a 5' x 16' shaker screen with *Smooth Start™* Technology, Caterpillar® tracks, adjustable screen angle, 110 HP Cummins® diesel engine, full remote control operation and made in the USA.



SPYDER 516T



US PATENT #6,698,594

US PATENT #6,669,026

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTIFICATION

THE SCREEN MACHINE® CRUSHING DIVISION, is a division of Screen Machine Industries, Inc., one of the largest manufacturers of portable tracked crushers, screening/shredding plants, trommels and conveyors in North America. Founded in 1967 in Columbus, Ohio, Screen Machine Industries, Inc. continues to manufacture high quality, heavy duty equipment utilizing innovative design concepts that reflect the changing needs of today's marketplace.

Unique product designs are created in-house by a highly educated engineering team utilizing three-dimensional modeling software. Numerous US Patents have been awarded as a result of our creative ambition in developing machinery superior to any in the world.



SCREEN MACHINE INDUSTRIES, INC.

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