

SCREEN MACHINE INDUSTRIES, INC.

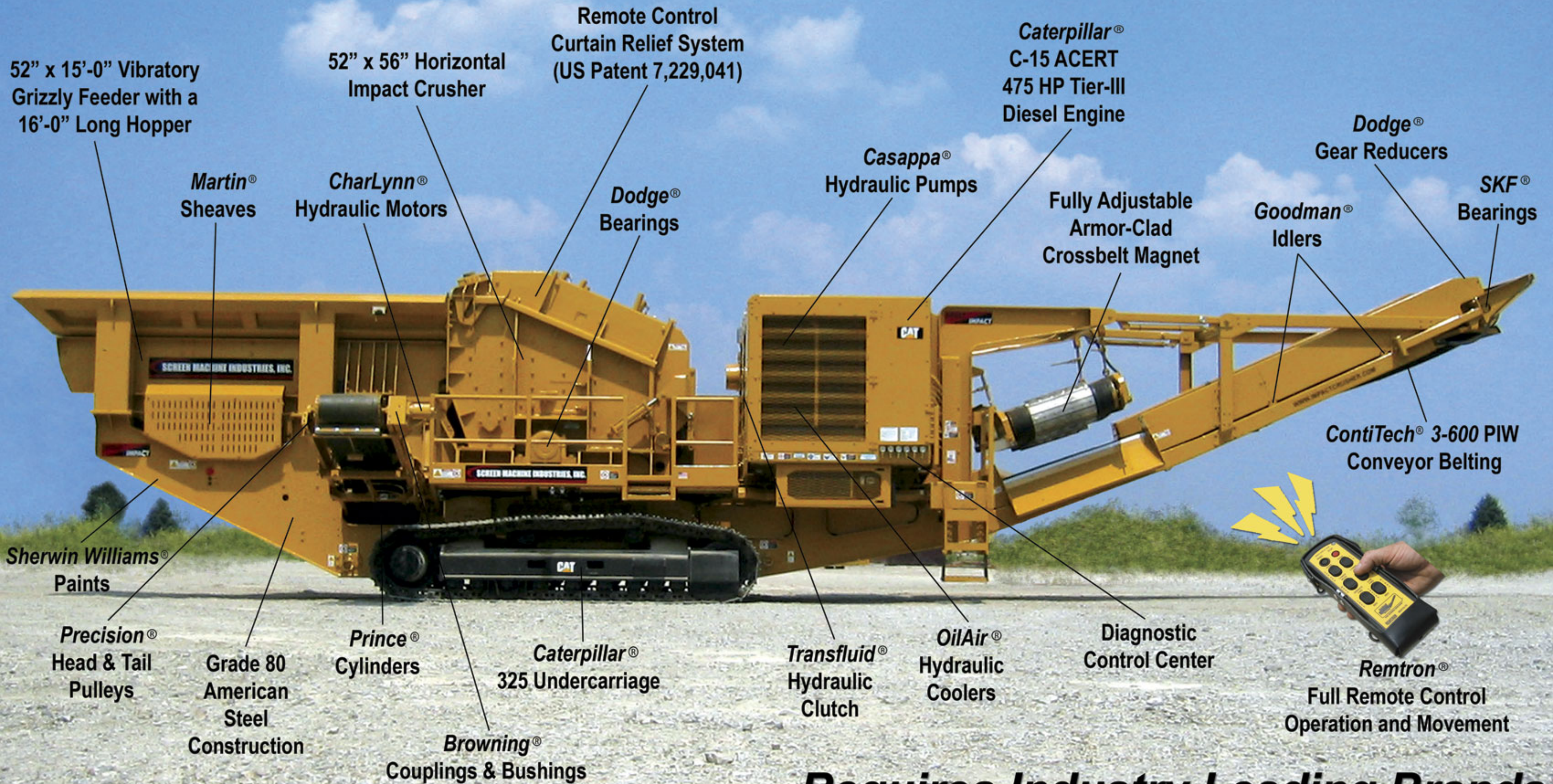
AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING, SCREENING AND SHREDDING PLANTS & CONVEYORS

5256T IMPACT CRUSHER



10685 COLUMBUS PARKWAY, PATASKALA, OHIO 43062
740-927-3464 800-837-3344 WWW.IMPACTCRUSHER.COM

Quality Engineering By Design..



..Requires Industry Leading Brands

KEY FEATURES

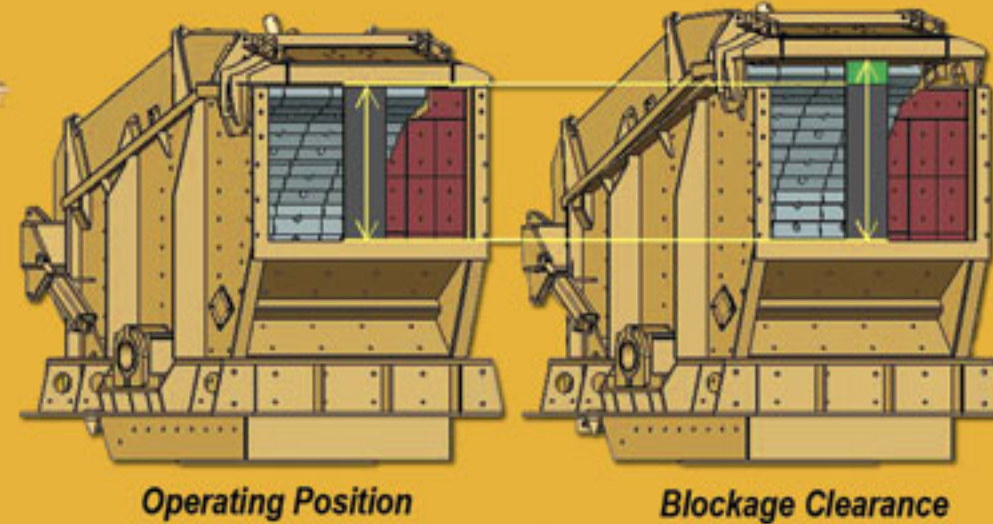
CRUSHER



- **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)**
- **Crusher is Removable for Easier Machinery Transport**
- **Variable Speed Control From 480 RPM to 560 RPM**
- **Two Sets of Hydraulically Adjustable Aprons**
 For multi-stage crushing
- **Remote Curtain 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)**

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**
 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® Hydraulic Clutch**
 Provides smooth start-up and shut-down operations of the crusher
- **Clutch 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 Caterpillar® 325 Undercarriage**
 Ensuring long term reliability, world-wide parts availability and product support
- **Upgraded Drive Motors Provide Optimum Grade Climbing and Turning Ability**
 Idle engine speed allows the 5256T 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 & 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**
 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

- **Remtron® Wireless Remote Control with 300'-0 Range**
 Variable Feeder Speed
 Crusher Relief System
 Track Speed (high & low)
 Movement Left, Right, Forward and Backward
 Emergency Stop
- **Never Leave the Cab of the Loader to Move the 5256T and Resume Material Processing**
- **Detailed Control Panel Allows for Ease of Operation**



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 Motor Speed Range (2 1/2 to 1 reduction ratio)**
 Sheave drive protects motor (located under feeder) from loaders and falling debris

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**



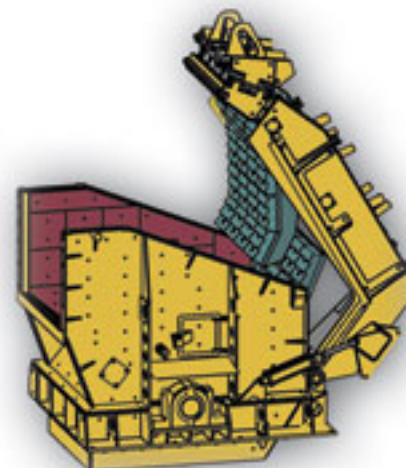
CONVEYORS



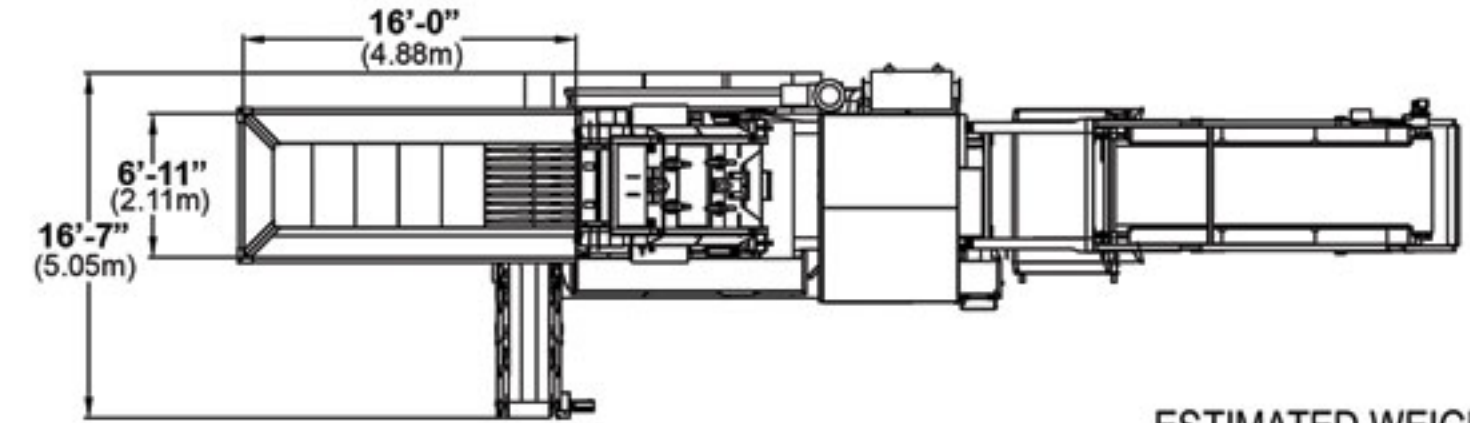
- **54" Wide ContiTech® 3-600 PIW Main Belt**
- **12'-7" Main Belt Discharge Height**
- **Rubber Disc Return Rollers**
- **Guide Idlers**
- **Precision® Head and Tail Pulleys with Spherical Roller Bearings**
- **Main Belt and Side Belt are Directionally Reversible**
- **Large Dodge® Gear Reducer with Hydraulic Drive Motor**
- **Impact Bed Below Crusher Discharge**
- **Fines Side Conveyor with 24" Belt**
- **7'-5" Side Conveyor Discharge Height**

SERVICEABILITY

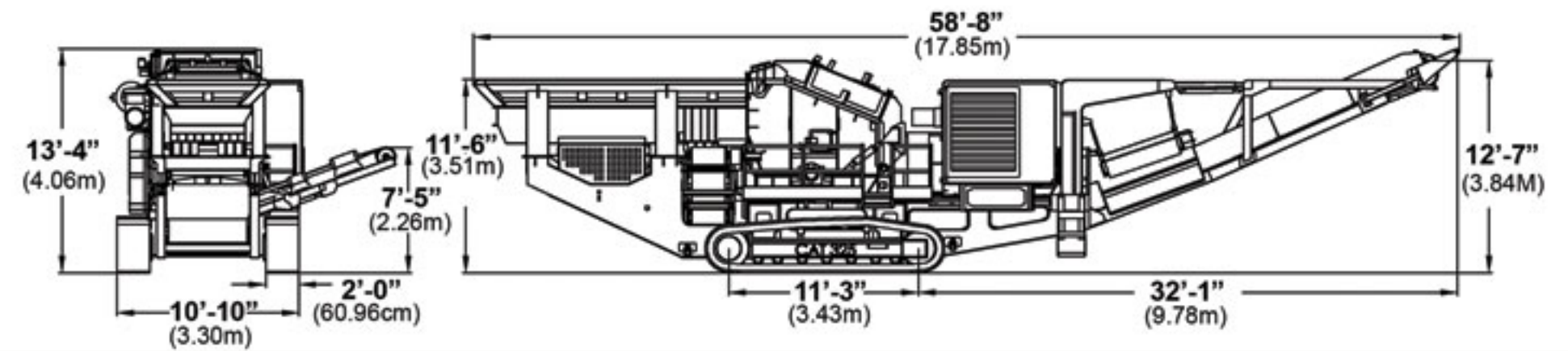
- **Diagnostic Control Center**
- **Split Crusher Housing for Three-Sided Maintenance Access**
- **Lockable Tool Storage Compartment**
- **Multiple Non-Slip Service Platforms with Ladders**
- **Service Manuals in Book Form or Electronic Format**
- **Factory-Based Parts Availability**
- **Lifetime Toll-Free Engineering Support**



OPERATING DIMENSIONS

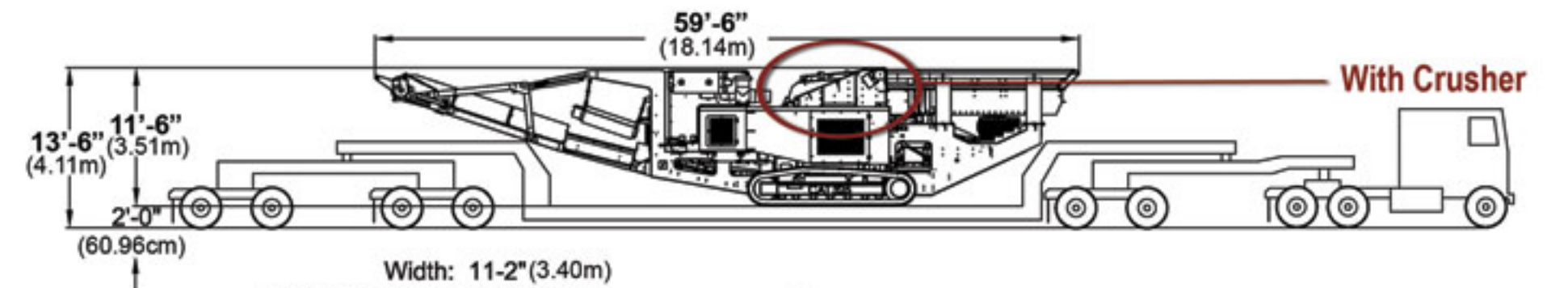


ESTIMATED WEIGHT: 119,000 lbs.



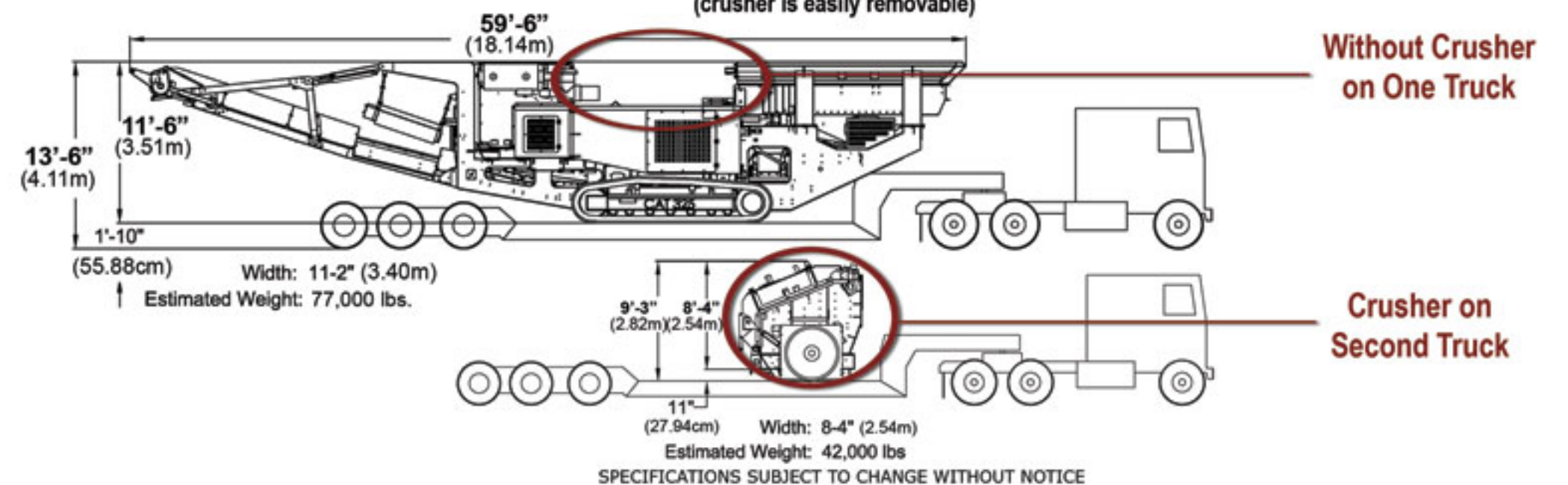
TRANSPORTATION DIMENSIONS

Single Truck Configuration



OR

Two Truck Configuration
 (crusher is easily removable)



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

SCREEN MACHINE INDUSTRIES, INC.

AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING, SCREENING AND SHREDDING PLANTS & CONVEYORS

Screen Machine Industries, Inc. is an innovative American manufacturer of portable machinery dedicated to material crushing, screening, washing and stockpiling. Our product offering provides production solutions across a vast array of applications ranging from 15 – 600 tons/yards per hour (sand & gravel, concrete & asphalt, topsoil & compost products... just to name a few). Our engineering design philosophy for incorporating only industry leading brand name components and feature rich competitive advantages has prominently influenced our 40 years of success. We invite you to discover why our track mobile impact crushers, vibratory screening/shredding plants, trommel screening/shredding plants, vibratory scalping plants, and radial stacking conveyors are shipped throughout the world as the preferred choice of distributors and customers.



Screen Machine Industries, Inc.
Corporate Headquarters

Through an on-going construction program, we continue to build new factories and additions to keep up with the expanding range of products and growing markets. Screen Machine Industries, Inc. recently completed a major expansion with a new 90,000 square foot addition to the existing facilities. This expansion has allowed Screen Machine Industries, Inc. to double its total manufacturing capacity, ensuring that we meet the heavy demand for products today and into the future.



Several US Patents have been awarded as a result of our creative ambition in developing machinery superior to any in the world. The manufacturing process includes the utilization of high definition plasma tables, CNC fabrication equipment, 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, Inc. continues to make substantial investments in research and development. We utilize the newest and best in 3-dimensional drawing tools. Screen Machine Industries, Inc. uses the latest version of SolidWorks™ at all engineering stations. Our highly skilled engineers, combined with the latest computer technology, create the most innovative products in the screening industry.



Our machines are designed to handle the most rugged demands our customers require. This focus on heavy-duty design allows Screen Machine Industries to produce the best machines possible. We strive to add the best design engineers to our organization. Several of our engineers are graduates of M.I.T. and other prestigious universities throughout the United States.

Our diverse product line families consist of heavy-duty portable Impact Crushers, Spydres, Scalper Series, Trommel Series and Conventional Screening and Shredding Plants. Portable Radial Stacking Conveyors complete the product line with sizes available to fit most every job.



SCALPER 107T



4043T IMPACT CRUSHER



SPYDER 516T

SCREEN MACHINE INDUSTRIES, INC

10685 Columbus Parkway

Pataskala, Ohio 43062

740-927-3464 800-837-3344

www.impactcrusher.com



DISTRIBUTED BY