

# SCREEN MACHINE INDUSTRIES, INC.

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

## 5256T IMPACT CRUSHER



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Concrete, Aggregate, and Material Handling Equipment

Concrete Solutions with Rock Solid Results

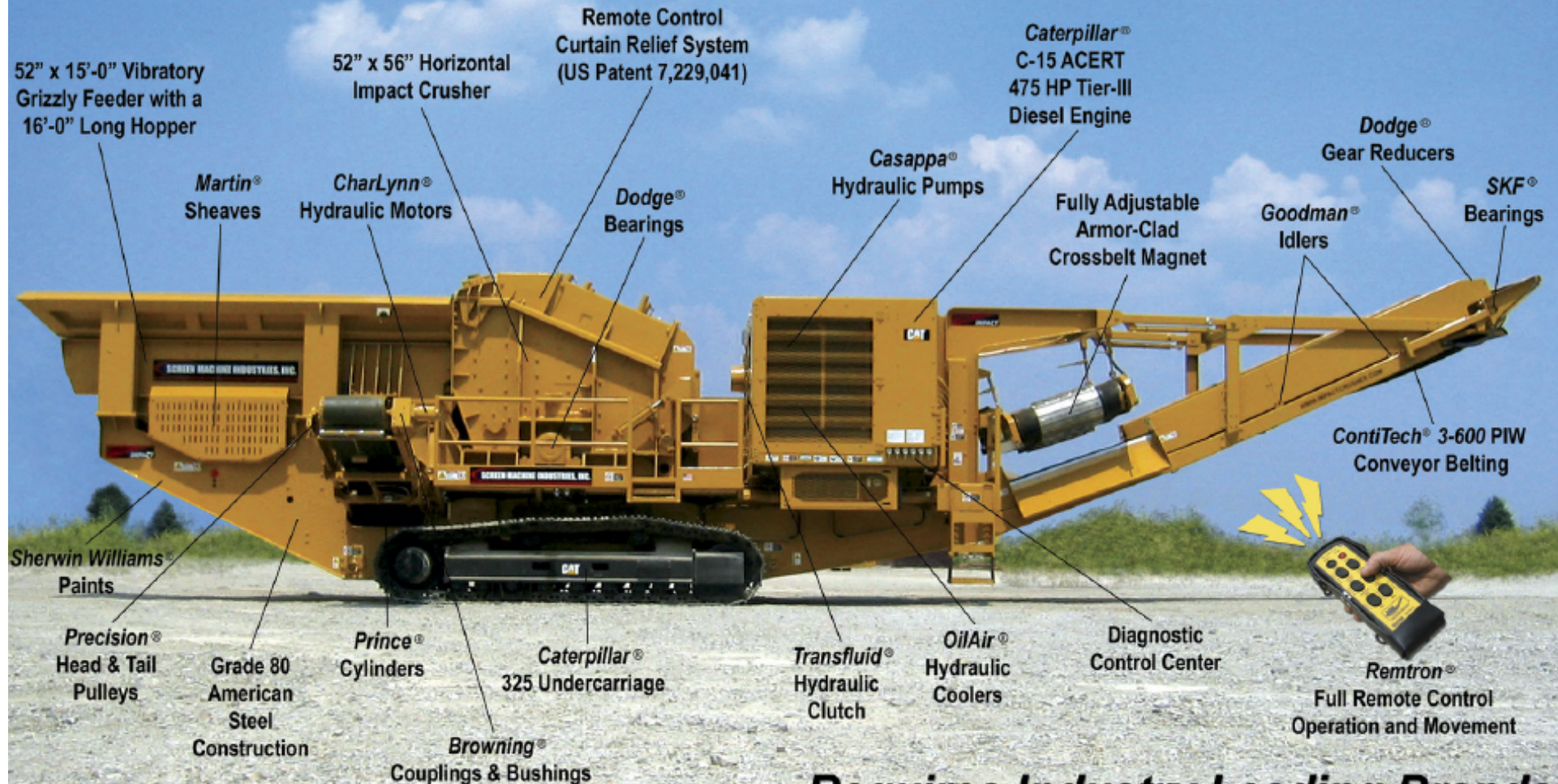
**800-792-7427**



# Quality Engineering By Design..

**SCREEN MACHINE INDUSTRIES, INC.**  
**5256T IMPACT CRUSHER**

**(800) 792-7427**



## ..Requires Industry Leading Brands

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[www.GulfAtlanticEquipment.com](http://www.GulfAtlanticEquipment.com)  
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[Info@GulfAtlanticEquipment.com](mailto:Info@GulfAtlanticEquipment.com)



# KEY FEATURES

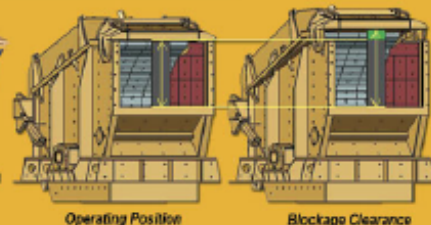
## CRUSHER



- **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**



## 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**



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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**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



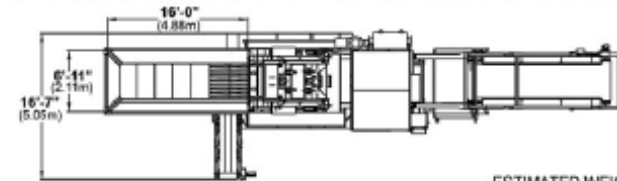
- 54" Wide ContiTech® 3-600 PIW Main Belt
- 12'-7" Main Belt Discharge Height
- Rubber Disc Return Rollers
- Guide Idlers
- Precision® Head and Tail Pulleys with Spherical Roller Bearings
- Main Belt and Side Belt are Directionally Reversible
- Large Dodge® Gear Reducer with Hydraulic Drive Motor
- Impact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

## SERVICEABILITY

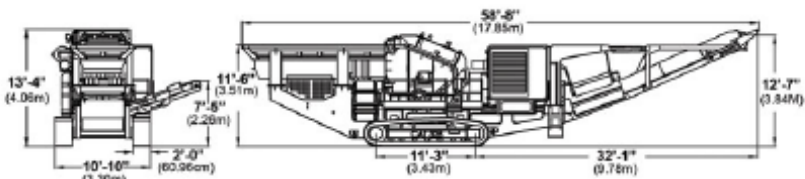
- Diagnostic Control Center
- Split Crusher Housing for Three-Sided Maintenance Access
- Lockable Tool Storage Compartment
- Multiple Non-Slip Service Platforms with Ladders
- Service Manuals in Book Form or Electronic Format
- Factory-Based Parts Availability
- Lifetime Toll-Free Engineering Support



## OPERATING DIMENSIONS

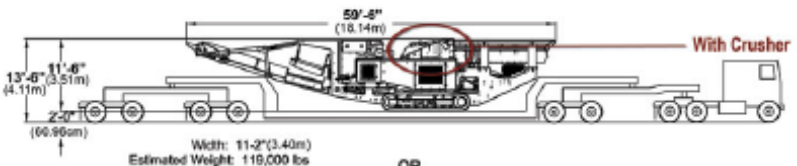


ESTIMATED WEIGHT: 119,000 lbs.



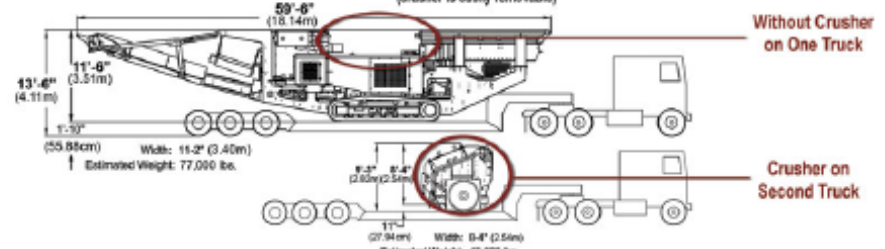
## TRANSPORTATION DIMENSIONS

### Single Truck Configuration



— With Crusher

OR  
**Two Truck Configuration**  
(crusher is easily removable)



### Without Crusher on One Truck

Crusher on  
Second Truck

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