

# SCREEN MACHINE™ 5256T IMPACT CRUSHER

AMERICAN-MADE INNOVATION SINCE 1966



## HIGH-VOLUME CRUSHING PLANT

- Large horizontal impact crusher
- Patented *Crusher Relief System™*
- Performs Multi-Stage Crushing



# 5256T Impact Crusher - Overview



The 5256T is a heavy-duty, track-mounted impact crusher designed to crush quarry rock or recyclable materials, like concrete and asphalt. Its patented *Crusher Relief System™* provides continuous production by allowing the chamber lid to be raised up to 6" (152mm) while crushing.

## CRUSHER

- Rigid one-piece base frame, reinforced for ultimate durability and strength
- 52" x 56" (1,032mm x 1,420mm) horizontal impact crusher
- Large 56" wide x 38" high (1,420mm x 965mm) feed inlet opening
- 52" (1,032mm) diameter rotor with 4 blowbars (2 active)
- Two sets of hydraulically adjustable aprons for multi-stage crushing
- Low chrome ceramic blowbars (Standard)
- High chrome ceramic blow bars available
- Low chrome steel blow bars available
- All blow bars can be rotated to extend productivity



Crusher chamber with its lid lifted via the *Crusher Relief System™*

## PATENTED CRUSHER RELIEF SYSTEM™

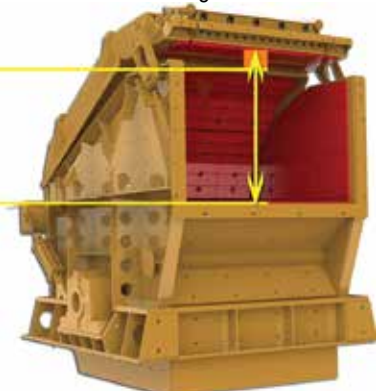
- Hydraulically raise and lower crusher lid and attached aprons up to 6" (152mm) during operation by remote control
  - Raises lid opening from 38" to 44" (965mm to 1,118mm)
  - Clears marginally oversized/bridged materials while in operation
  - Eliminates the need to reduce feed volume over concern of material bridging
  - Reduces downtime/labor to clear crusher
- Multiple safety features, including sensors, mechanical stops and material guards
- **U.S. Patent # 7,229,041**

Operating Position



Two hydraulic cylinders raise the crusher lid up to 6" (152mm) relative to the rotor

Blockage Clearance



As lid is raised, the increased opening height will dislodge most bridged materials

Hopper sides and other vital parts manufactured from USA-made Grade 80 steel for unmatched strength and durability



16'-0" (4.88m) hopper with 52" x 15'-0" (1,032mm x 4.57m) vibratory grizzly feeder



Heavy-duty tracked undercarriage with easy-to-use wireless remote control, for quick and efficient set-up and operation

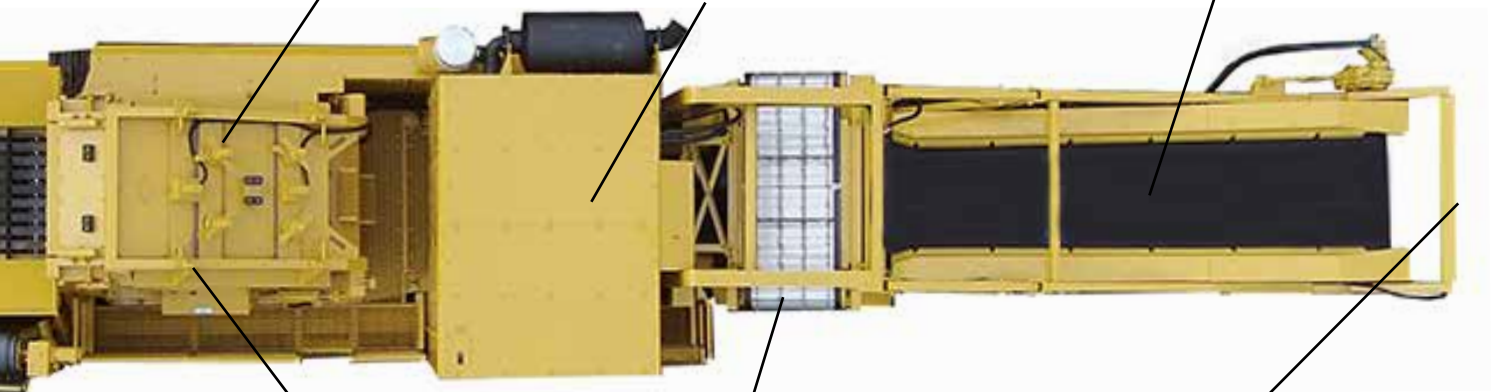


# 5256T Impact Crusher - Overview

Large 52" Diameter x 56" Wide (1,032mm x 1,420mm) rotor for multi-stage crushing with two hydraulically adjustable curtains

Available with a *Caterpillar*® C-9.3 - Tier IV Final or *Volvo*® D11 - Tier IV Final diesel engine. *Transfluid*® fluid coupling eliminates expensive mechanical clutch or hydraulic issues

Directionally reversible, 54" (1,370mm) wide conveyor with impact bed and guide idlers creates maintenance-free material flows



Patented and remote-controlled **Crusher Relief System™** clears blockages and minimizes downtime

Standard cross-belt magnet with stainless steel cladding and chutes to prevent magnetic material build-up

Dust Suppression included, pre-chamber, post-chamber and at discharge



12'-9" (3.89m) discharge height on main (fines) conveyor

Walk-in engine compartment for easy access during maintenance and service

Multiple fixed catwalks and lockable access doors for safety and ease of maintenance

## ENGINE

- CAT® ACERT C13 475 HP (354kw) diesel engine - Tier IV Final (or) Volvo® D13 502 HP (374kw) diesel engine - Tier IV Final
- Large, lockable engine compartment with easy walk-in maintenance access
- Hydraulic cooler maintains ideal operating temperature



## FLUID COUPLING

- *Transfluid*® fluid coupling
  - Provides smooth start-up and shutdown of crusher without risk of excessive wear or total failure
- Designed to allow instant crusher stoppage due to steel or other large uncrushable material
  - Slips fluid on fluid, causing no wear, unlike mechanical clutches
- Operator can disengage crusher, move the machine and re-engage the crusher in seconds

## 5256T Impact Crusher - Key Features

### CONVEYORS

#### Main Belt:

- 54" (1,370mm) wide 440 PIW Global belt
- 12'-9" (3.89m) main belt discharge height
- Main Belt is reversible in direction
- Precision® head and 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 damage
- Rubber disc return rollers and guide idlers on all belts
- Dust Suppression included, pre-chamber, post-chamber and at discharge

#### Side Stacker:

- Fines side conveyor with 24" (610mm) belt and 7'-6" (2.29m) discharge height



### FEEDER

- 52" x 15'-0" (1,032mm x 4.57m) vibratory grizzly feeder
- 16'-0" (4.88m) long feed hopper opening
- Fixed hopper for quick set-up/tear down — *No folding hopper walls to manipulate*
- USA-made Grade 80 steel hopper wall construction — *the strongest available!*
- Feeder deck built with AR400 replaceable liner plates
- T1 Tapered grizzly bars for pre-screening — *Removes fines that do not need to go through crusher and reduces wear* — *Increases lifespan of blowbars and other wear parts*
- Variable speed feeder 600-900 rpm
- Belt-driven sheave allows hydraulic motor to work in optimal speed range for longer life — *Hydraulic motor protected from debris*



# 5256T Impact Crusher - Key Features



## REMOTE OPERATING SYSTEM/CONTROL PANEL

- Wireless remote with 300' (91m) range controls virtually all functions of the machine
  - Variable speed feeder with shut-off
  - Patented Crusher Relief System™
  - High and low speed track function
  - Left, right, forward and backward movement
  - Engine shut-off control button
- Wireless remote means never leaving the safety of the loader cab to reposition the 5256T and continue working
- Remote operation also eliminates climbing on and off the machine while loading for transport
- Detailed control panel allows for easy operation
- Four emergency stops mounted on machine for safety, plus a stop on the remote
- Optional Tethered Pendant available



## MAGNET

- Cross-belt permanent magnet included
  - Four-corner chain height adjustment
- Reversible direction; variable speed
- Heavy-duty belt with armor cladding and flights for extended belt life — a Screen Machine exclusive!
- Stainless steel chutes on both sides of the conveyor for metals discharge, prevents magnetic material build-up
- Impact bed under magnet



## STEEL MATTERS

- Key structural parts of the 5256T are built with USA-made Grade 80 Steel — *the strongest available!*
- Our competitors use A36, or “mild steel”
- Get the full story on how we make ‘em better at [www.screenmachine.com](http://www.screenmachine.com)



## AT YOUR SERVICE

- Screen Machine products are better — by design, by manufacture and by performance. And we back them with the best support in the industry
- Our Product Support Team will help you get your new machine performance tuned, at your location or on the jobsite
- The Product Support team is also available via phone if you have any questions or concerns while in production
- Our Parts Department fulfills 95% of in-stock parts orders the same day from our Etna, OH headquarters
- All Screen Machine products come with a standard one-year warranty (excluding wear parts)
- Service manuals and maintenance schedules are provided for all machines



# 5256T Impact Crusher - Key Features

## STRUCTURE

- Unibody structure with extra-strong deep frame design
  - *Handles high stresses of uneven loading during operation and rough terrain during movement*
- USA-made Grade 80 steel construction
  - *Grade 80 steel's yield strength of 80,000 psi is more than double the yield strength of mild steel*
  - *While Grade 80 steel may look the same as other steel, it prolongs the life of key components while keeping the overall machine transport weight manageable*
- Elevated frame design allows rapid set-up
  - *High ground clearance eliminates the need for machine disassembly or site preparation before movement*



## UNDERCARRIAGE

- Heavy-duty tracked undercarriage
- Track operation remote controlled for safety
  - *Wireless control for movement/operation*
  - *Low speed for maneuvering, high speed for longer distances*
- 24" (600mm) wide pads create low ground pressure



## ADDITIONAL KEY FEATURES

- Walk-in engine compartment
- Lockable storage compartment
- Multiple non-slip surfaces with ladders
- Service manuals in print and digital formats
- Lifetime toll-free technical support

## AFTER YOU CRUSH IT, SCREEN IT



*Spyder 622TH Triple Deck*



*Spyder 516T Double Deck*

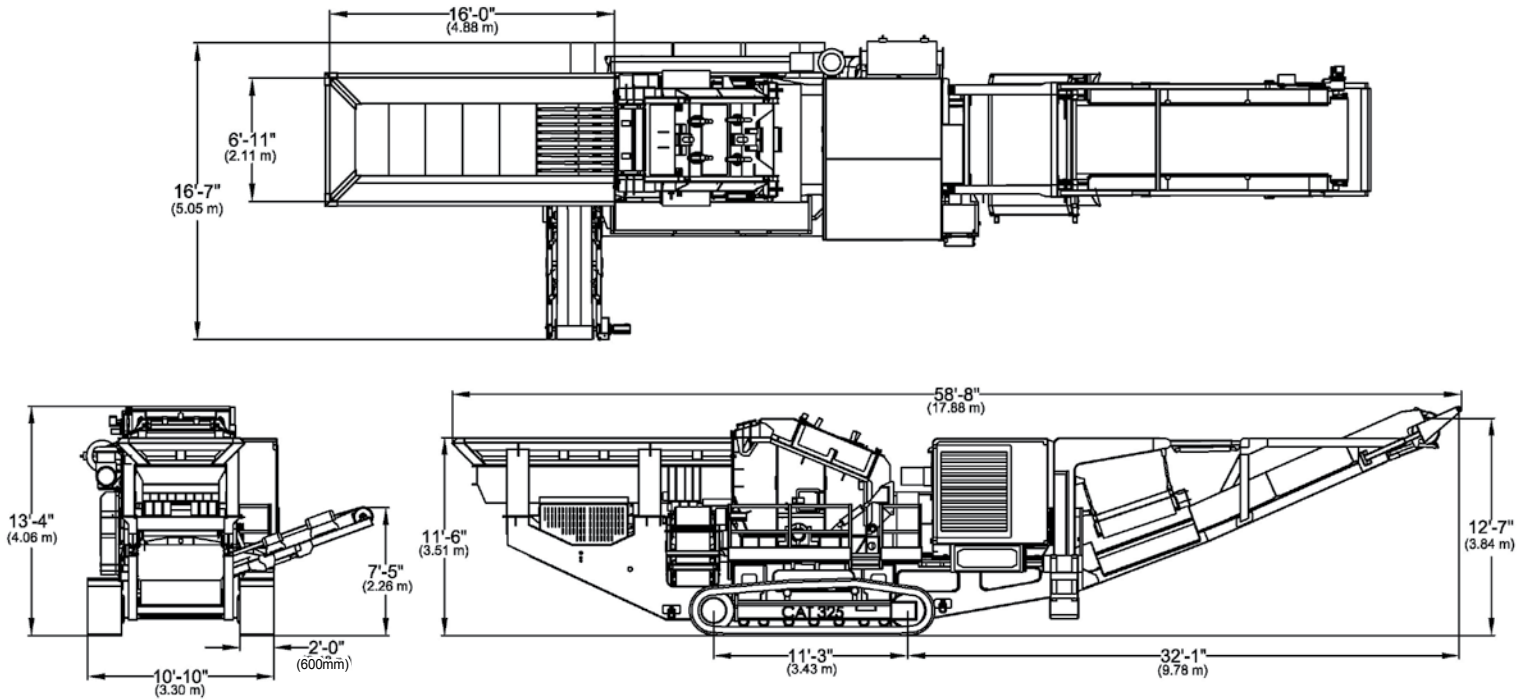
For complete production efficiency, add a Screen Machine Spyder plant to your operation. Spyders plants size your crushed materials for use in all types of applications — fill, paving, construction, landscaping and more.

The Spyder Screen Plants show above are designed to work in tandem with the 5256T. At right are more details on these productive screens:

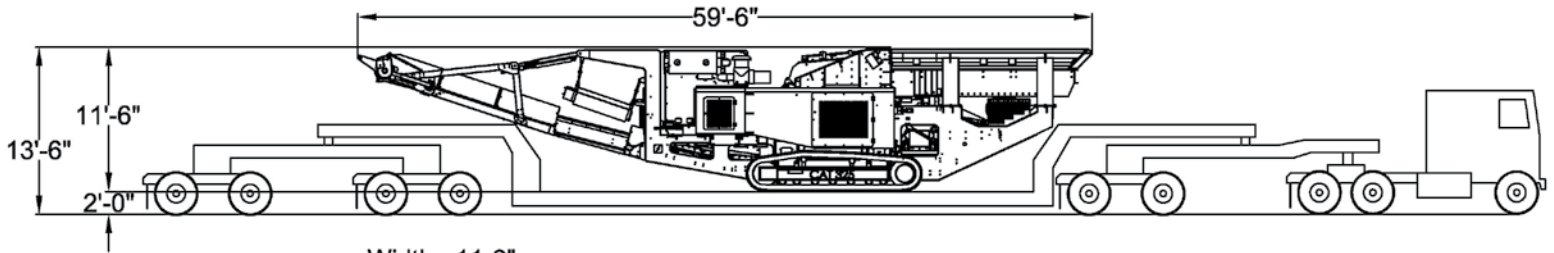
- **Spyder 622TH** — Triple-deck, track-mounted screening plant with 6'-0" x 22'-0" (1.83m x 6.7m) horizontal shaker screen
- **Spyder 516T** — Double-deck, track-mounted screening plant with 5'-0" x 16'-0" (1.5m x 4.9m) shaker screen. Also features our patented Smooth Start™ technology, which greatly reduces stress put on the unit at start-up and shut-down

# 5256T Impact Crusher - Dimensions

## OPERATING DIMENSIONS



## TRANSPORT DIMENSIONS



Width: 11'-2"  
Estimated Weight: 119,000 lbs



SPECIFICATIONS															
Height	Length	Width	Weight	Hopper	Crusher Opening	Rotor	Main Conveyor	Discharge Height	Fines Stacker	Discharge Height	Engine	Crusher Speed	Tracks	Fuel Capacity	Hydraulic Capacity
11'-6"	59'-6"	11'-2"	119,000lbs	6'-11"x16'	56"x38"	52"x56"	54"	12'-9"	24"	7'-6"	CAT or Volvo diesel	600-700rpm	24" wide 600mm	275gal 1,041l	130gal 492l
3.5m	18.14m	3.4m	53.98kgs	2.11m x4.88m	1,420mm x965mm	1,032mm x1,420mm	1,370mm	3.89m	610mm	2.29m					



# SCREEN MACHINE™ 5256T IMPACT CRUSHER

AMERICAN-MADE INNOVATION SINCE 1966

## CRUSH EVERY JOB™ WITH SCREEN MACHINE!

### AMERICAN MANUFACTURING

American manufacturing has a proud tradition of quality, durability and innovation. That heritage guides every phase of our engineering, fabrication and assembly. Screen Machine is a global leader of portable crushing and screening plants, trommels and conveyors, incorporating innovation and craftsmanship into every machine. It all begins with our commitment to uncompromising quality — a foundation we have had since our company was founded in Central Ohio more than 50 years ago.



### BRAND NAME QUALITY

Screen Machine Industries partners with top manufacturers like *Caterpillar*®, *Dodge*® and *Precision*® for vital components in our products, adding even more integrity and reliability to the entire line. Whether those components run the machine or are the minute details that bring it all together, we ensure the quality of every machine by using only trusted name brands.



### STRENGTH AND DURABILITY

Peace of mind is knowing that innovative engineering and quality components are going to last, even under the most extreme conditions. Through our use of the highest-quality, USA-made Grade 80 steel, fabricated by skilled hands and robotic precision, our machines offer greater strength and longevity without excessive weight. From the first cut of steel through the final weld, Screen Machine products consistently redefine American durability by outlasting the competition.



### PRODUCT AND TECHNICAL SUPPORT

We stand firmly behind every machine that leaves our factory. Our product support team is here to provide assistance when you need it most. Speaking with product support engineers, design engineers and manufacturing engineers, without waiting hours or days for a callback, is crucial to limiting downtime. On-site set-up and training, along with detailed manuals, rapid parts availability, update alerts and AggFlow simulations, all combine to give you everything you need to get the most out of your machinery.



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AUTHORIZED SCREEN MACHINE DEALER: