



THE SCREEN MACHINE®

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

CONVENTIONAL SCREENING PLANTS



**CONTACT YOUR
DEALER:**

**Gulf
Atlantic**

INDUSTRIAL EQUIPMENT INCORPORATED
Concrete, Aggregate, and Material Handling Equipment
Concrete Solutions with Rock Solid Results
800-792-7427

www.GulfAtlanticEquipment.com
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DEVELOPER

The **DEVELOPER** is a high capacity, portable screening plant featuring a 5' x 12" double deck or 5' x 10" triple deck shaker screen for separating all types of aggregates. The feed hopper is large enough to be fed with a 4 to 5 yard loader bucket. Adding the optional high-speed hammermill shredder creates the perfect processing plant for large volumes of topsoil and compost. This heavy-duty plant is equipped with enough diesel horsepower to drive multiple auxiliary items including radial stacking conveyors and accessories.



SCREEN



Raised Position



Lowered Position

- **5' - 0" x 12' - 0" Two Deck Screen**
Four bearing positive action (against the flow) shaker screen spinning at 1000 RPM, generating a 3/16" constant shake under any size load. Perfect for sizing materials accurately between 1/8" and 4".
- **Hydraulically Adjustable Screen Angle**
Hydraulically adjust the angle of the shaker screen to any one of six operating positions to optimize efficient sizing of materials under various environmental conditions.
- **Step Deck / Split Deck Screen**
An additional 4" drop half way down the screen creates a second impact point generating additional tumbling of material and better screening.
- **Shaker Screen Lowers to Ground Level**
The shaker screen lowers hydraulically to ground level for transport, screen changes and maintenance. No need for ladders, platforms or safety harnesses.
- **Multiple Screen Choices**
Many choices of screen types to choose from including wire cloth, tarp screens, sod decks, slotted end tension screens and finger screens.

POWER SYSTEM

- **John Deere® or Cummins® 110 HP Diesel Engine**
Enough horsepower to drive the screening plant with multiple options and several stacking conveyors.
- **200 Gallon Lockable, Baffled, Hydraulic Oil Tank w/ cooler**
An OilAir® hydraulic oil cooler maintains a constant level of performance and long life.
- **70 Gallon Lockable Diesel Fuel Tank**
Over 14 hours of continuous material processing without the need to refuel.
- **Independent Hydraulics**
Dedicated circuits guarantee constant power to each function.



The **DEVELOPER** wash plant shown above has a 5' x 10' triple deck screen with spray bars, 44" sand screw, one 80'-0" and two 40'-0" radial stacking conveyors processing four sizes of washed aggregates. All five pieces of machinery are hydraulically powered by the **Developer's** robust diesel engine.

STRUCTURE



DEVELOPER
Transport Position

- **American Made Steel**
All structural fabrication is made from USA sourced Grade A36 steel.
- **Tapered Truss Design for Added Strength**
- **Fifth Wheel Tow Configuration for Ease of Portability**
- **Two 22,500 lb. Axles w/Dual 11R x 22.5 Tires and Air Brakes**



FEEDER

- **11 Cubic Yard Hopper with 13' - 9" Wide Feed Opening**
A perfect match for a four to five cubic yard front end loader.
- **Remote Control Hydraulic Tipping Grizzly**
5 1/4" nominal spaced grizzly bars keep oversized rock and wood from entering the hopper.
- **36" Wide 3-Ply 330 PIW Feeder Belt**
Heavy duty belt for long wear life.
- **Variable Belt Speed**
Hydraulically controlled belt speed creates a consistent and accurate feed rate of materials to the shredder or screen.
- **6" (15.24) CEMA "D" Rubber Wrap Idler for Added Feeder Belt Traction**



Remote Controlled Tipping Grizzly

CONVEYOR BELT



- **36" Wide Main Belt**
Heavy duty 2-ply 220 PIW belt for long wear life.
- **Lagged-Head Pulleys and Wing-Type Tail Pulleys**
Precision® pulleys for positive traction, alignment and belt cleanliness.
- **5" Diameter Idlers and Rubber Disc Returns**
Goodman® idlers provide the required strength to carry the load.

OPTIONS

- **High Speed Hammermill Shredder**
66 wedge-shaped hammers spinning at 1500 RPM will pulverize your dirt. Shredder hammermill chamber hydraulically raises and lowers into position. Spring tensioned baffle plates control the shredding action while by-passing large rocks.
- **Hydraulic Conversion Kits**
Capability of powering up to three additional stacking conveyors and a sand screw.
- **5' - 0" x 10' - 0" Triple Deck Screen**
- **Spray Bar Assembly for Wash Plants**

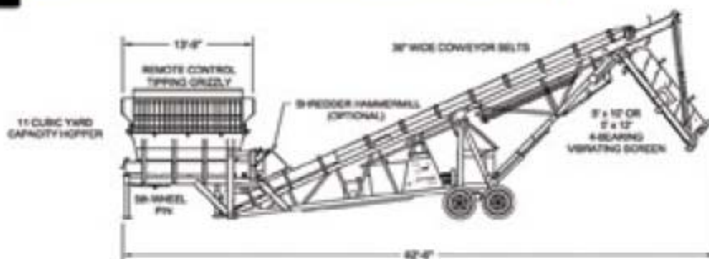


High Speed Hammermill Shredder

DIMENSIONS

Shipping Information

Height	13' - 4"	(4.06m)
Length	64' - 6"	(19.66m)
Width	8' - 6"	(2.59m)
Weight (approx.)	39,000 lbs.	(17,680 KG)





THE SCREEN MACHINE®

(800) 792-7427 or (352) 628-6674

PRODUCER

The **PRODUCER** is a mid-size, wheeled, portable screening plant featuring a 4' x 8' four bearing shaker screen that is ideal for separating sand, gravel, coal and slag-type products. With the addition of a hammermill shredder, the **Producer** can also process topsoil and other landscape products. Designed to be fed with a 3 to 4 yard loader, this versatile diesel plant has enough HP to power multiple radial stacking conveyors. Spray bars can be added to convert this dry screening plant into a portable wash plant.



SCREEN



- **4'-0" x 8'-0" Two Deck Screen**
Four bearing positive action (against the flow) shaker screen spinning at 1000 RPM, generating a 3/16" constant shake under any size load. Perfect for sizing materials accurately between 1/8" and 4".
- **Hydraulically Adjustable Screen Angle**
Hydraulically adjust the angle of the shaker screen to any one of six operating positions to optimize accurate sizing of materials under any environmental conditions.
- **Shaker Screen Lowers to Ground Level**
The shaker screen lowers hydraulically to ground level for transport, screen changes and maintenance. No need for ladders, platforms or safety harnesses.
- **Multiple Screen Choices**
Many choices of screen types to choose from including wire cloth, harp screens, sod decks, slotted end tension screens and finger screens.

POWER SYSTEM

- **John Deere® or Cummins® 80 HP Diesel Engine**
Enough horsepower to drive the screening plant with multiple options and several stacking conveyors.
- **120 Gallon Lockable, Baffled, Hydraulic Oil Tank**
Enough hydraulic oil to maintain a constant level of performance and long life.
- **65 Gallon Lockable Diesel Fuel Tank**
Over 18 hours of continuous material processing without the need to refuel.
- **Independent Hydraulics**
Dedicated circuits guarantee constant power to each function.



STRUCTURE



- **American Made Steel**
All structural fabrication is made from USA sourced Grade A36 steel.
- **Tapered Truss Design for Added Strength**
- **Fifth Wheel Design for Ease of Portability**
- **One 22,500 lb. Axle w/Dual 11R x 22.5 Tires and Air Brakes**

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THE SCREEN MACHINE®
PRODUCER

FEEDER

- **9 Cubic Yard Hopper with 12' - 0" Wide Feed Opening**
A perfect match for a three to four cubic yard front end loader.
- **Heavy-Duty Tipping Grizzly**
Grizzly keeps oversized rocks and wood larger than 4 1/2" from entering the hopper.
- **26" Wide Feeder Belt with 2-Ply 220 PIW**
Extra wide belt creates steeper hopper sides that reduce bridging.
- **Variable Belt Speed**
Hydraulically controlled belt speed creates a consistent and accurate feed rate of material to the shredder or screen.
- **Wrap Idler Under Head Pulley**
Prevents belt slippage during heavy hopper loads.



CONVEYOR BELT



- **24" Wide Main Belt**
Heavy duty 2-ply 220 PIW belt for long wear life.
- **Lagged-Head Pulleys and Wing-Type Tail Pulleys**
Precision® pulleys for positive traction, alignment and belt cleanliness.
- **5" Diameter Idlers and Rubber Disc Returns**
Goodman® idlers provide the optimal strength to carry the load.

OPTIONS

- **High Speed Hammermill Shredder**
48 hardened blades spinning at 1500 RPM will pulverize your dirt products creating more saleable fines and less oversize.
Shredder hammermill chamber hydraulically raises and lowers into position.
Spring tensioned baffle plates control the shredding action while bypassing large rocks.
- **Hydraulic Conversion Kits**
Capable of powering up to three additional stacking conveyors and a sand screw.
- **Wireless Remote Control Hydraulic Grizzly**
Removes oversized material build-up from your grizzly with the push of a button.
- **Spray Bar Assembly for Wash Plants**
- **4' - 0" x 8' - 0" Triple Deck Screen**



DIMENSIONS

Shipping Information

Height	13' - 0"	(3.96m)
Length	53' - 0"	(16.15m)
Width	8' - 6"	(2.59m)
Weight (approx.)	23,000 lbs.	(10,433 KG)





THE SCREEN MACHINE®

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PULVERIZE II

The **PULVERIZE II** is a high capacity wheeled, portable screening plant featuring a 3' x 5' four bearing shaker screen for separating all sizes of aggregates. The hopper is large enough to be fed with a 1 to 2 yard loader. By using the standard high-speed hammermill shredder, you can turn the **Pulverize II** into a powerful topsoil and compost processing plant.



SCREEN



- **3'-0" x 5'-0" Two Deck Screen**
Four bearing positive action (against the flow) Shaker Screen spinning at 1000 RPM, generating a 3/16" constant shake under any size load. Perfect for sizing materials accurately between 1/8" and 4".
- **Adjustable Screen Angle**
Manually adjust the shaker screen angle to any one of five operating positions to optimize accurate sizing of materials under any environmental conditions.
- **Multiple Screen Choices**
Many choices of screen types to choose from including wire cloth, harp screens, sod decks, slotted end tension screens and finger screens.

POWER SYSTEM

- **Yanmar® 48 HP Diesel Engine**
Enough horsepower to drive the screening plant and up to two stacking conveyors.
- **60 Gallon Lockable, Baffled, Hydraulic Oil Tank**
Enough hydraulic oil to maintain a constant level of performance and long life.
- **30 Gallon Lockable Diesel Fuel Tank**
Over 18 hours of continuous material processing without the need to refuel.



STRUCTURE



- **American Made Steel**
All structural fabrication is made from USA sourced Grade A36 steel.
- **Pintle Hook Tow Tongue**
Adjustable height pintle hook will match to most trucks with ease.
- **Dual Axle with 9:50 x 16.5 Tires and Electric Brakes**

SHREDDER

- **22 Blade Free-Swinging Hammermill**
Blades spinning at 1500 RPM will pulverize your dirt products creating more fines and less oversize.
- **Hydraulic Shredder Raise and Lower**
The hammermill shredder can hydraulically raise up out of the way for simple screening when shredding is not required.
- **Hydraulics For A Second Conveyor**
If the shredder is not being used, the hydraulics can power a second stacking conveyor.



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PULVERIZE II

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FEEDER



- **3 Cubic Yard Hopper with 10' - 3" Wide Feed Opening**
A perfect match for a one to two cubic yard front end loader.
- **Manual Tipping Grizzly**
Grizzly keeps oversized rocks and wood larger than 4 3/4" from entering the hopper.
- **18" Wide Feeder Belt with 2-Ply 220 PIW**
Heavy duty belt for long wear life.
- **Variable Belt Speed**
Hydraulically controlled belt speed creates a consistent and accurate feed rate of material to the shredder or screen.

CONVEYOR BELT

- **18" Wide Main Belt**
Heavy duty 2-ply 220 PIW belt for long wear life.
- **Lagged-Head Pulleys and Wing-Type Tail Pulleys**
Precision® pulleys for positive traction, alignment and belt cleanliness.
- **4" Diameter Idlers and Rubber Disc Returns**
Goodman® idlers provide the required strength to carry the load.



OPTIONS



- **Hydraulic Conversion Kits**
Capable of powering up to two additional 30'-0" or 40'-0" radial stacking conveyors creating product piles up to 20'-0" high.
- **Spray Bar Assembly**
The addition of spray bars to the screen will allow you to wash your materials.

DIMENSIONS

Shipping Information

Height	13' - 2"	(4.01m)
Length	38' - 9"	(11.81m)
Width	8' - 0"	(2.44m)
Weight (approx.)	9,500 lbs.	(4,309 KG)



Specifications Subject to Change Without Notification