

THE SCREEN MACHINE®

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

SCALPER 107D

US Patent # 6,401,993
US Patent # 6,000,553



Contact your
Dealer:

**Gulf
Atlantic**

INDUSTRIAL EQUIPMENT INCORPORATED

Concrete, Aggregate, and Material Handling Equipment

Concrete Solutions with Rock Solid Results

800-792-7427



THE SCREEN MACHINE®

KEY FEATURES

SCREEN BOX

- **U.S. Patent # 6,000,553 Dual Screen Centered Support Design Creates Unequaled Structural Strength**

This uniquely patented design features two independent shaker screens with a middle structural wall support that acts much like the center support of a span bridge, creating unequal strength and durability for handling extremely heavy screening loads.

- **Two 5'-0" x 7'-0" (1.5m x 2.13m) Double Deck Two Bearing Screens**
Creates a wide opening of 15'-3" (4.65m) matching perfectly with 3 - 5 yard loaders.

- **Low Feed Height**

10'-11" (3.6m) feed height allows front end loader feeding without building a ramp.

- **Top Deck Accepts Grizzly, Punch Plate, Fingers or Wire Cloth Screens**

T-1 tapered grizzly spaced at 5" or 6" for your heaviest rock and materials

Grade 80 punch plate 4", 5" or 6" hex for general duty work

Square woven wire cloth in multiple sizes for lighter duty applications

Finger screen decks available for materials with vegetation

Bottom deck screen box accepts square or slotted wire cloths and harp style screens

- **USA Grade 80 Steel Construction**

Shaker screens bolted together with USA sourced high strength 3/8" (10mm) Grade 80 steel will handle the vibratory stress better than imported screens typically made with a mild grade of steel.

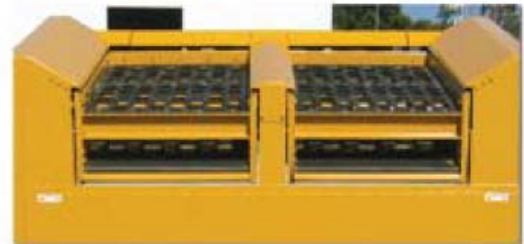
- **Dual Screen Boxes Feature a Large 11" (28cm) Clearance Between Top and Bottom Decks**

Large screen openings (upwards of 6") on the top deck are supported and pose little risk of rock hang-ups. Oversize throughput from large openings would otherwise tend to bridge between the decks in the absence of the large 11" clearance.

- **Smooth Start® Technology (US Patent # 6,401,933)**

At slow speeds, the screen shaft rotates perfectly round, creating no throw or shake at all.

As the screen shaft RPM approaches operating speed, the counterweight extends outward creating the appropriate shake necessary to screen your material. This process also works in reverse during your machine shutdown. Smooth Start® technology eliminates the otherwise present risk of machinery damage caused by slow speed violent shaking during your warm-up or shut-down periods. This fine example of American ingenuity is patented to deliver exclusive long term value by extending the life of the bearings and components.



RETRACTED
(SLOW)



EXTENDED
(FAST)

STRUCTURE

- **USA Grade 80 Steel Construction**

All critical structure points use high strength Grade 80 steel generating a yield strength of 80,000 psi. That's more than two times the yield strength of A36 steel (36,000 psi) commonly used in most other machinery. This single feature alone could double your machine's life span.

- **USA Sourced 6" Structural Tubing Support Frame**

A unique 5 point stance creates an incredibly strong support structure unequalled in our industry.



Specifications Subject to Change Without Notification

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THE SCREEN MACHINE®

POWER SYSTEM

- **Caterpillar® 48 HP Diesel Engine**
With the patented *Smooth Start*® Technology installed on the shaker screens, horsepower requirements for operation are significantly less than any competitor in the industry, resulting in a savings of thousands of dollars per year in fuel costs.
- **60 Gallon (227 liters) Lockable, Baffled Hydraulic Oil Tank**
- **34 Gallon (129 liters) Lockable Diesel Fuel Tank**
Over 12.5 hours of continuous material processing without the need to refuel
- **Locked Control Panels & Electronic Murphy® Shut Offs**



PORTABILITY

- **Fifth Wheel Pin Transport**
Brake lights, turn signals and mud flaps are all standard features
- **22,500 lb. Axle w/ Air Brakes**
Four 11.00R-22.5 tires are standard
- **Heavy Duty Tow Ring for Field Portability**
- **Hydraulic Axle Raise and Lower**
With the flip of a lever...you're ready for transport
- **Hydraulic Landing Gear**
Allows for easy tractor connection without the need for additional equipment



PRODUCT SUPPORT

- **Factory Headquarters Located Near Columbus, Ohio**
- **Lifetime Toll Free Engineering Telephone Support (USA Only)**
- **USA Sourced Name Brand Parts**
- **Rapid Response Parts Availability**
- **Extensive Distributor Network**
- **Detailed Operational, Service & Parts Manuals**

WHY THE SCREEN MACHINE ?

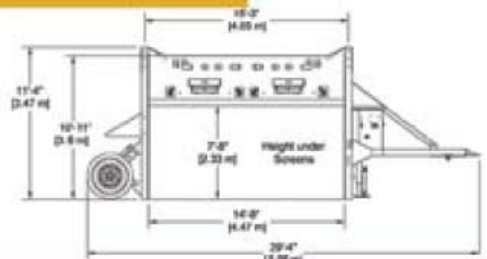
Screen Machine Industries, Inc. invests what is necessary to build your Scalper 107D with name brand components, high strength steel, patented designs and features required for long term, maintenance free, reliable productivity. Which of these features can you afford to be without? We welcome the opportunity to be compared so that our true value can be identified.

DIMENSIONS



Shipping Information

Height	12' - 2" (3.71m)
Length	29' - 8" (9.04m)
Width	8' - 0" (2.44m)
Weight (approx.)	24,000 lbs. (10,886 KG)



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