

SCREEN MACHINE INDUSTRIES

AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING AND SCREENING EQUIPMENT

SCALPER 107D

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



10685 COLUMBUS PARKWAY, ETNA, OHIO 43062 USA

1-740-927-3464

1-800-837-3344

WWW.SCREENMACHINE.COM

KEY FEATURES

SCREEN BOX

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

This unique 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" (3.3m) 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 made high strength 3/8" (10mm) Grade 80 steel will handle the vibratory stress better than standard mild grade steel.

- **Dual Screen Boxes Feature a Large 8" (20.3cm) Clearance Between Top and Bottom Decks**

Large screen openings (up to 6" (15cm)) 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 8" 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" (15.24cm) Structural Tubing Support Frame**

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



POWER SYSTEM

- Yanmar® 48 HP Tier IV Interim 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 18 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 Engineering Telephone Support**
- 12 Months Factory Warranty**
- Rapid Response Parts Availability**
- Extensive Distributor Network**
- Detailed Operational, Service & Parts Manuals**

WHY SCREEN MACHINE INDUSTRIES?

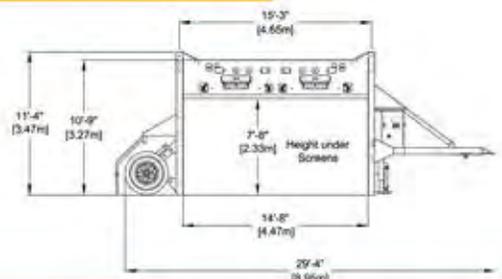
Screen Machine Industries, Inc. invests what is necessary to build your Scalper 107D with name brand components, high strength steel, patented designs and features required for long term, maintenance free, reliable productivity. Which of these features can you afford to be without? We welcome the opportunity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



SCREEN MACHINE INDUSTRIES

AN AMERICAN MANUFACTURER OF PORTABLE CRUSHING AND SCREENING EQUIPMENT

Screen Machine Industries LLC is an innovative American manufacturer of portable machinery dedicated to material crushing, screening and stockpiling. Our product offering provides solutions ranging from 15-600 tons/yards per hour across a vast array of applications (such as sand & gravel, concrete & asphalt, topsoil & compost products). Our successful engineering philosophy is to incorporate reliable brand name components and industry leading features with the highest quality manufacturing techniques. This philosophy has prominently driven our success since 1966.



Screen Machine Industries LLC
Corporate Headquarters

The manufacturing process includes the utilization of CNC fabrication equipment, robotic welders, 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 LLC continues to make substantial investments in research and development. Our highly skilled engineers combined with the latest computer technology, create the most innovative products in the crushing and screening industries. Numerous U.S. Patents have been awarded as a result of our creative ambition in developing machinery that we feel is superior to any in the industry. We also strive to add the best design engineers available to our organization. Our engineers are graduates of MIT and other prestigious universities throughout the United States.



Our diverse product line consists of heavy-duty, track-mounted Jaw, Cone and Impact Crushers, Spydres, Scalpers, Trommels and Conventional Screening and Shredding Plants. Our portable stacking conveyors complete the product lineup with sizes available to fit most every job.



SCALPER 107T



SPYDER 516T



SCALPER 77C



612T TROMMEL



4043T IMPACT CRUSHER

SCREEN MACHINE INDUSTRIES LLC

10685 Columbus Parkway
Etna, Ohio 43062 USA

1-740-927-3464 800-837-3344 (USA Only)

Email@screenmachine.com

www.screenmachine.com



DISTRIBUTED BY: