

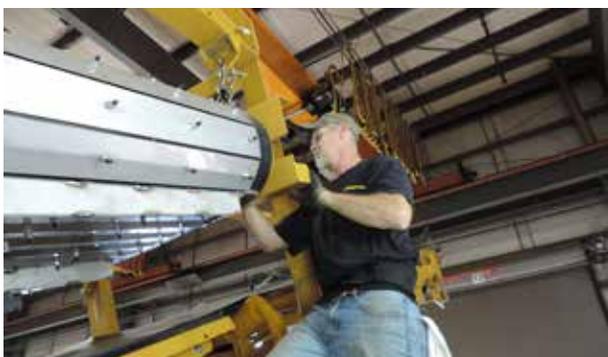
SCREEN MACHINE®

AMERICAN-MADE INNOVATION SINCE 1966

FULL-LINE PRODUCT CATALOG



CRUSH EVERY JOB™



CRUSH EVERY JOB™

CRUSH EVERY JOB is more than just a catch phrase at Screen Machine. It's how we run our business, and what we build our machines to do. Our commitment is to provide the highest quality equipment that lets you CRUSH EVERY JOB every day.

Are you ready to take your crushing and screening productivity to a new level? Then choose Screen Machine.

Our products are the crushing and screening machines of choice — by design, by manufacture and by performance. Each machine is built to our stringent standards in our Etna, OH factory, just as they have been since 1966.

Here are just a few reasons Screen Machine is your best choice for crushing and screening equipment:

- Patented technology that provides unmatched innovation, durability and productivity
- Most models are equipped with SMI SMART-Watch™ telematics package. Full performance data at your fingertips.
- Same day shipping on stock parts orders
- Complete technical support — on-site, online and via phone.

Give us a call or visit us at www.screenmachine.com. Together, we will CRUSH EVERY JOB!

IMPACT CRUSHERS



4043T

The 4043T Impact Crusher is a track-mounted design for quarry rock or recyclable materials such as concrete and asphalt. Full remote controlled movement and operation allows your wheel loader or excavator operator to move and operate the 4043T from the safety and comfort of their machine.

Our patented remote Crusher Relief System™ is a key feature that allows for blockage clearance while the machine is in operation. The wireless remote control triggers the lifting lid up to 6", allowing oversized material to pass through without stoppage.

Crusher

- 40" x 43" (1m x 1.1m) horizontal impact crusher
- 43" x 32" (1.1m x .8m) feed inlet opening

Engine / Controls

- CAT® C9.3B 375 HP (280kw) Tier IV Final diesel engine
- Wireless remote control operation with LCD display panel

Hopper / Feeder

- 40" x 13'-0" (1m x 4m) vibratory grizzly feeder

Conveyors

- 42" (1,067mm) main belt with 11'-3" (3.48m) discharge height
- 24" (610mm) side conveyor with 7'-0" (2.1m) discharge height

Unique/Patented Features

- Remote Crusher Relief System (U.S. Patent #7,229,041)
- Fully adjustable, USA-made Magnetic Systems International cross-belt magnet with stainless steel cladding and chutes
- SMARTWatch telematics allows complete remote monitoring
- Single grease bank lubricates the entire unit from one spot



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	11'-6"	3.5m	11'-6"	3.5m
Length	50'-5"	15.4m	50'-5"	15.4m
Width	9'-10"	3.0m	16'-0"	4.9m
Total Weight	83,000 lbs.	37,650kg	83,000 lbs.	37,650kg

IMPACT CRUSHERS



4043TR RECIRCULATING

The 4043TR Closed Circuit Impact Crusher is built with all the rugged performance and durability of our standard 4043T, with two additional functions:

- A 5'-0" x 12'-0" (1.52m x 3.7m) bottom deck screen with a 5'-0" x 8'-0" (1.5m x 2.0m) top relief deck fed directly from the crusher, delivering sized product off the fines conveyor
- An additional radial overs conveyor feeds directly back to the hopper, or can be positioned to the side for stockpiling

Crusher

- 40" x 43" (1m x 1.1m) horizontal impact crusher
- 43" x 32" (1.1m x .8m) feed inlet opening

Screen

- Heavy-duty 5'-0" x 12'-0" (1.5m x 3.7m) two-bearing screenbox with a 5'-0" x 8'-0" (1.5m x 2.0m) relief deck and downhill throw
- USA-made Grade 80 steel screenbox

Engine / Controls

- CAT® C9.3B 375 HP (280kw) Tier IV Final diesel engine
- Wireless remote control operation with LCD display panel

Hopper / Feeder

- 40" x 13'-0" (1m x 4m) vibratory grizzly feeder

Conveyors

- 42" (1,067mm) main belt with 11'-3" (3.43m) discharge height
- 48" (1,219mm) fines belt with 10'-10" (3.31m) discharge height
- Cleated 20" (508mm) recirculating belt, can also be used as a side stacker with 14'-2" (4.31m) discharge height
- 24" (610mm) side conveyor with 7'-0" (2.1m) discharge height



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	11'-6"	3.5m	15'-11"	4.9m
Length	62'-10"	19.2m	62'-10"	19.2m
Width	11'-6"	3.5m	40'-2"	12.2m
Total Weight	98,000 lbs.	44,450kg	98,000 lbs.	44,450kg

JAW CRUSHERS



JXT

The JXT Jaw Crusher is a track-mounted crushing plant that features a unique automatic blockage clearance and tramp iron relief capabilities that is unequaled in the industry. The JXT can process the hardest and most difficult materials, greatly reducing the risk of stoppages, damages and high-maintenance costs associated with most other jaw crushers.

Crusher

- True 26" x 45" (660mm x 1,143mm) wide inlet opening
- Remote control hydraulic jaw adjustment

Engine / Controls

- CAT® C9.3B 375 HP (280kw) Tier IV Final diesel engine
- Wireless remote control operation with LCD display panel

Hopper / Feeder

- 40" x 13'-0" (1m x 4m) vibratory grizzly feeder
- 14'-0" (4.3m) feed hopper opening

Conveyors

- 42" (1,067mm) main belt
- 10'-9" (3.28m) discharge height
- 24" (610mm) fines side conveyor
- 7'-0" (2.1m) discharge height

Unique Features

- Automatic blockage clearance
- Automatic tramp iron relief
- Fully adjustable, USA-made Magnetic Systems International cross-belt magnet with stainless steel cladding and chutes
- Single grease bank lubricates the entire unit from one spot



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	11'-6"	3.5m	11'-6"	3.5m
Length	48'-6"	14.8m	48'-6"	14.8m
Width	9'-10"	3.0m	15'-0"	4.6m
Total Weight	98,000 lbs.	44,450kg	98,000 lbs.	44,450kg

SCREENING PLANTS



SPYDER 516T

An industry leader among primary screening plants, the Spyder 516T yields three different sizes of product simultaneously. Its patented design allows feeding from three sides while patented SmoothStart® technology imparts minimal stress during start-up and shut-down — a key factor in productivity and durability.

Screen

- 5'-0" x 16'-0" (1.5m x 4.8m) double-deck two-bearing screen
- 5'-0" x 14'-0" (1.5m x 4.3m) bottom deck
- Adjustable screen angle
- NEW! Carriage bolts in the screen clamp bars allow screens to be changed/replaced by a single person

Engine / Controls

- CAT C4.4 110 HP (82kw) Tier IV Final diesel engine
- Wireless remote control operation

Conveyors

- 48" (1,220mm) wide oversize conveyor with impact bed, 9'-4" (2.8m) discharge height
- 24" (610mm) midsize with 13'-0" (3.9m) discharge height
- 36" (914mm) fines with 12'-6" (3.8m) discharge height

Hopper / Feeder

- 1/2" (13mm) thick USA-made Grade 80 steel hopper walls
- 48" (1,220mm) wide impact bed belt feeder
- Optional apron feeder available

Unique / Patented Features

- SmoothStart® technology (U.S. Patent #6,669,026)
- Three-Sided Loading design (U.S. Patent #6,698,594)
- Single grease bank lubricates the entire unit from one spot



SPYDER 514TS

The Spyder 514TS has a 5'-0" x 14'-0" (1.5m x 4.3m) double-deck screen is capable of producing three finished products simultaneously. The versatile 514TS can be used as a stand-alone screen or in conjunction with a crusher to easily recirculate oversized material back into the crusher for further reduction.

Screen

- 5'-0" x 14'-0" (1.5m x 4.3m) top deck
- 5'-0" x 12'-0" (1.5m x 3.7m) bottom deck
- Adjustable screen angle

Engine / Controls

- Yanmar® 74 HP (55kw) Tier IV Final diesel engine
- Wireless remote control operation

Conveyors

- 42" (1,067mm) wide fines conveyor
- 13'-10" (3.56m) fines discharge height
- 24" (610mm) wide mids and oversize conveyors
- 16'-6" (5.03m) mids discharge height
- 16'-6" (5.03m) oversize discharge height
- Side discharge belt angles: 18°, 21°, 24°

Hopper / Feeder

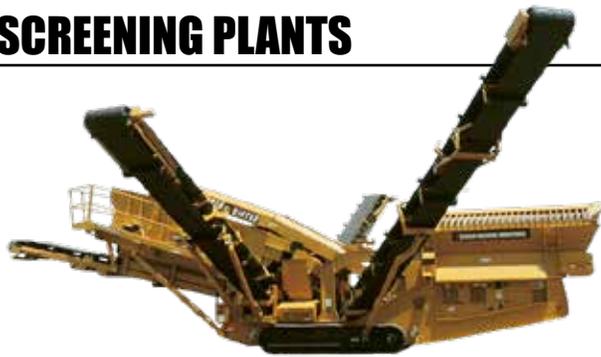
- Standard grizzly
- 8 cubic yard (6.1m³) hopper
- Low feed height of 9'-4" (2.8m) without grizzly

Unique / Patented Features

- Patented SmoothStart® technology (U.S. Patent #6,669,026)
- Independent hydraulics



SCREENING PLANTS



SPYDER 514TS3 TRIPLE DECK

Taking efficiency and productivity to a new level, the Spyder 514TS3 Triple Deck Screen can deliver four finished products simultaneously — fines, small mids, large mids and overs. The 5'-0" x 14'-0" (1.5m x 4.3m) triple-deck has been designed for maximum output and minimal downtime.

Screen

- 5'-0" X 14'-0" (1.5m x 4.3m) top and middle deck
- 5'-0" X 12'-0" (1.5m x 3.7m) bottom deck
- Adjustable screen angles

Engine / Controls

- Yanmar® 74 HP (55kw) Tier IV Final diesel engine
- Wireless remote control operation

Conveyors

- 42" (1,067mm) wide fines conveyor
- 13'-10" (4.22m) fines discharge height
- 24" (610mm) wide big mids, small mids and oversize conveyors
- 16'-6" (5.03m) big mids discharge height
- 16'-6" (5.03m) small mids discharge height
- 17'-11" (5.46m) oversize discharge height
- Side discharge belt angles: 18°, 21°, 24°

Hopper / Feeder

- Standard grizzly with an 8 cubic yard (6.1m³) hopper
- Low feed height of 9'-4" (2.8m) without grizzly

Unique / Patented Features

- Patented SmoothStart® technology (U.S. Patent #6,669,026)
- Independent hydraulics



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	11'-6"	3.5m	18'-0"	5.5m
Length	52'-2"	15.9m	50'-0"	15.2m
Width	10'-11"	3.3m	58'-8"	17.9m
Total Weight	59,000 lbs.	26,762kg	59,000 lbs.	26,762kg

SCALPER 107T

The Scalper 107T Double Deck Screening Plant is a patented, heavy-duty, track-mounted screening plant designed to screen rock, soils, sand, gravel, coal, concrete and more. It works best when paired with your 3-5 yard (2.3–3.8m³) front end loader.

A unique wide feed opening over dual 5'-0" x 7'-0" (1.5m x 2.1m) shaker screens, dependable diesel engine, heavy-duty tracked undercarriage and wireless remote control movement and operation are standard with the Scalper 107T.

Screen

- Variable hydraulic screen angle
- Dual 5'-0" x 7'-0" (1.5m x 2.1m) shaker screens
- 13'-9" (4.2m) wide feed screen opening

Engine / Controls

- Yanmar® 74 HP (55kw) Tier IV Final diesel engine
- Wireless remote control operation

Conveyor

- 42" (1,067mm) wide variable speed under-screen conveyor belt
- 42" (1,067mm) wide variable speed discharge conveyor belt

Structure / Undercarriage

- Heavy-duty tracked undercarriage
- USA-made Grade 80 steel construction

Unique / Patented Features

- SmoothStart® technology (U.S. Patent #6,669,026)
- Center Support Screen Guard (U.S. Patent #6,000,553)



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	11'-0"	3.4m	11'-0"	3.4m
Length	38'-1"	11.6m	38'-1"	11.6m
Width	8'-5"	2.6m	8'-5"	2.6m
Total Weight	44,980 lbs.	20,403kg	44,980 lbs.	20,403kg

SCREENING PLANTS



SCALPER 107D

The Scalper 107D Double Deck Screening Plant is a patented, heavy-duty screening plant that is perfect for two product separation. Ideal applications include soils screening, removing vegetation, rocks and even scrap metal. This tough machine is built with USA-made Grade 80 steel plate and a heavy-duty reinforced tubular structure.

The hydraulic landing gear and hydraulic axle raise and lower make the Scalper 107D “screening ready” in minutes. It is a unique dual screen processing plant featuring 5'-0" x 7'-0" (1.5m x 2.1m) double deck screens with a protective center support that matches up to your 3-5 yard (2.3–3.8m³) front end loader.

Screen

- Dual 5'-0" x 7'-0" (1.5m x 2.1m) shaker screens
- 15'-3" (4.65m) wide feed screen opening

Engine

- Yanmar® 25 HP (18kw) Tier IV Final diesel engine

Structure / Undercarriage

- Heavy-duty tracked undercarriage
- USA-made Grade 80 steel construction

Unique / Patented Features

- SmoothStart® Technology (U.S. Patent #6,669,026)
- Center Support Screen Guard (U.S. Patent #6,000,553)
- USA-made Grade 80 steel construction



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	12'-2"	3.7m	11'-4"	3.5m
Length	29'-8"	9.0m	29'-4"	9.0m
Width	8'-0"	2.4m	8'-0"	2.4m
Total Weight	24,000 lbs.	10,886kg	24,000 lbs.	10,886kg



SCALPER 77C

The Scalper 77C Double Deck Screening Plant is a patented, heavy-duty screening plant capable of screening soils, aggregates and more. It works best when paired with your 2 yard (2.3–1.5m³) front end loader. A large feed opening directing material on the 7'-0" (2.1m) long shaker screen is standard equipment in this easy-to-use and easy-to-own Scalper 77C.

The pile heights created by the fines discharge conveyor will give the operator hours of uninterrupted processing time. A compact high-capacity processing plant for nearly any feed material.

Screen

- 7'-0" x 7'-0" (2.1m x 2.1m) double-deck two-bearing screen
- Wide feed opening with low feed height
- 9'-9" (3m) feed screen opening

Engine

- Yanmar® 48 HP (36kw) Tier IV Final diesel engine

Conveyor

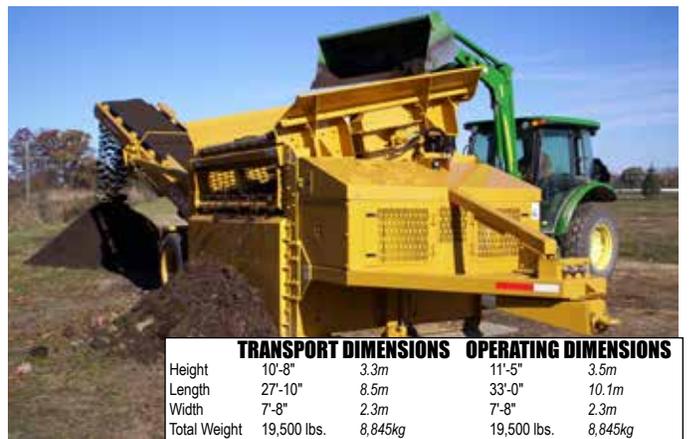
- 36" (914mm) wide main discharge belt
- Material stockpiling height of 11'-5" (3.5m)
- Hydraulically folds for easy transport

Structure / Undercarriage

- USA-made Grade 80 steel construction

Unique / Patented Features

- SmoothStart® technology (U.S. Patent #6,669,026)



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	10'-8"	3.3m	11'-5"	3.5m
Length	27'-10"	8.5m	33'-0"	10.1m
Width	7'-8"	2.3m	7'-8"	2.3m
Total Weight	19,500 lbs.	8,845kg	19,500 lbs.	8,845kg

TROMMELS



621T TROMMEL, 621ST SHREDDER

The 621T Trommel features a 6' x 21' (1.8m x 6.4m) trommel barrel, creating 340 square feet (31.6m²) of screening area, and a 180° radial fines stacker. Powered by a CAT® C4.4 110 HP diesel engine. Also equipped with our SMARTWatch™ telematics package. Features an open feed hopper.

Optional 621ST version includes a hammermill shredder that can be raised out of the way when not needed, and an adjustable, removable and remote-controlled tipping grizzly.

Screen

- 6'-0" x 21'-0" (1.8m x 6.4m) heavy-duty trommel screen
- 4-wheel drive trommel drum; rapid change screen cloth system
- Self-cleaning drum brushes, adjustable from the ground

Engine / Controls

- CAT® C4.4 110 HP (82kw) Tier IV Final diesel engine
- Wireless remote control operation

Conveyors

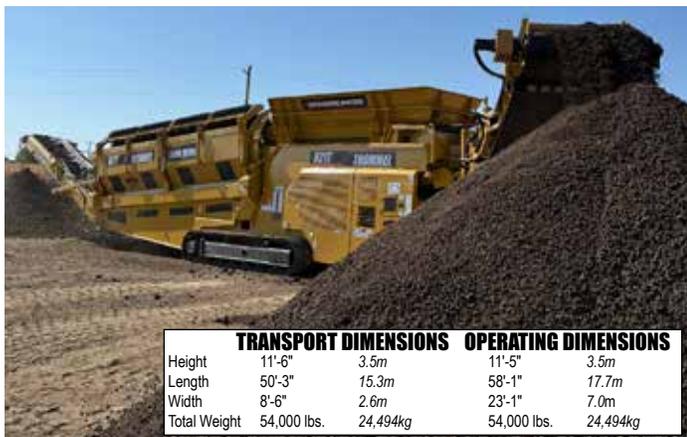
- 42" (1,067mm) wide overs conveyor; 13'-7" (4.2m) discharge hght.
- 48" (1,220mm) wide unders conveyor; 13'-7" (4.2m) discharge

Hopper / Feeder

- 6.5 Cu. Yard hopper (5 Cu. Meter); 42" (1,067mm) belt
- Temporary feeder shut-off on trommel overload

Unique Features

- 621T only — 180° rear radial stacker
- 621ST only — Hammermill shredder (U.S. Patent #7,121,487)
- Centralized lubrication — 5 grease points for the entire machine!



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	11'-6"	3.5m	11'-5"	3.5m
Length	50'-3"	15.3m	58'-1"	17.7m
Width	8'-6"	2.6m	23'-1"	7.0m
Total Weight	54,000 lbs.	24,494kg	54,000 lbs.	24,494kg

612T TROMMEL

The 612T Trommel is a diesel-powered, track-mounted screening plant designed to separate topsoil, compost and green waste type products. It features wireless remote controls and a direct open-feed hopper with a large 6' x 12' (1.8m x 3.6m) trommel drum, creating 160 square feet (14.9m²) of screening area.

The pile height generated by the side discharge conveyor combined with the tracked undercarriage creates tremendous windrow stockpiling capabilities.

Screen

- 6'-0" x 12'-0" (1.8m x 3.6m) heavy-duty trommel screen
- 4-wheel drive trommel drum; rapid change screen cloth system
- Self-cleaning trommel drum brushes

Engine / Controls

- Yanmar® 74 HP (55kw) Tier IV Final diesel engine
- Wireless remote control operation

Conveyors

- 24" (610mm) wide side conveyor; 12'-9" (3.9m) discharge height
- Extended 36" (914mm) oversize conveyor folds for transport
- Oversize material conveyor discharge height 9'-2" (2.8m)

Hopper / Feeder

- Optional hammermill shredder (U.S. Patent #7,121,487)
- Large 4.5 cubic yard (3.4m³) open-ended hopper
- Optional hopper extension for 7.5 cubic yards (5.7m³)
- Low 9'-2" (2.8m) hopper feed height
- Variable speed feeder belt
- Optional remote tipping grizzly over hopper



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	11'-6"	3.5m	12'-9"	3.9m
Length	33'-2"	10.1m	39'-3"	12.0m
Width	8'-6"	2.6m	25'-11"	7.9m
Total Weight	27,000 lbs.	12,247kg	27,000 lbs.	12,247kg

TROMMELS



612W TROMMEL

The 612W Trommel is a diesel-powered, portable screening plant designed to separate topsoil, compost, wood chips and green waste products. It features a direct open feed hopper with a large 6' x 12' (1.8m x 3.6m) rotating drum that creates 160 square feet (14.9m²) of screening area. The pile heights created by the side discharge conveyor and oversize conveyor will give the operator hours of uninterrupted processing time.

Screen

- 6'-0" x 12'-0" (1.8m x 3.6m) heavy-duty screen
- 160 square feet (14.9m²) of actual screening surface area
- 4-wheel drive trommel drum; rapid change screen cloth system
- Self-cleaning trommel drum brushes

Engine

- Yanmar® 74 HP (55kw) Tier IV Final diesel engine
- 70 gallon (264.9L) fuel tank = 16 hours run time

Conveyors

- Side discharge conveyor height 13'-11" (4.24m)
- Extended 36" (914mm) oversize conveyor folds for transport, with 10'-3" (3.1m) discharge height

Hopper / Feeder

- Low 10'-4" (3.1m) hopper feed height
- Variable speed feeder belt
- Optional remote tipping grizzly over hopper

Unique Features

- Optional hammermill shredder (U.S. Patent #7,121,487)
- Fifth wheel pin transport; hydraulic landing gear



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	12'-8"	3.9m	13'-11"	4.2m
Length	33'-5"	10.1m	39'-5"	12.0m
Width	8'-6"	2.6m	26'-3"	8.0m
Total Weight	22,500 lbs.	10,200kg	2,500 lbs.	10,200kg



MIGHT II TROMMEL

The Might II Trommel Shredder is a towable trommel screening plant to process topsoil, mulch, compost and more. It is ideally matched to a skid steer for loading.

Well equipped with a diesel engine, high-speed hammermill shredder to pulverize clumps of topsoil and a trommel screen to remove sticks, rocks, etc. Processes landscaping materials efficiently with high productivity and minimal expense.

Screen

- 3'-0" x 4'-0" (.9m x 1.2m) trommel screen
- Screen cleaning brush

Engine

- Yanmar® 24 HP (17kw) Tier IV Final diesel engine

Conveyor

- Conversion kit available to drive an additional conveyor

Hopper / Feeder

- 1 cubic yard (.76m³) hopper
- Variable speed feeder belt
- Tipping grizzly for pre-screening

Unique Features

- High-speed hammermill shredder
- Towable with pick-up truck
- Sets up in minutes



	TRANSPORT DIMENSIONS		OPERATING DIMENSIONS	
Height	9'-8"	3.0m	9'-8"	3.0m
Length	24'-5"	7.4m	24'-5"	7.4m
Width	6'-0"	1.8m	6'-0"	1.8m
Total Weight	5,000 lbs.	2,268kg	5,500 lbs.	2,268kg