

SCREEN MACHINE[®] 520TS3 SPYDER SCREEN PLANT

AMERICAN-MADE INNOVATION SINCE 1966

TRIPLE DECK SCREENING

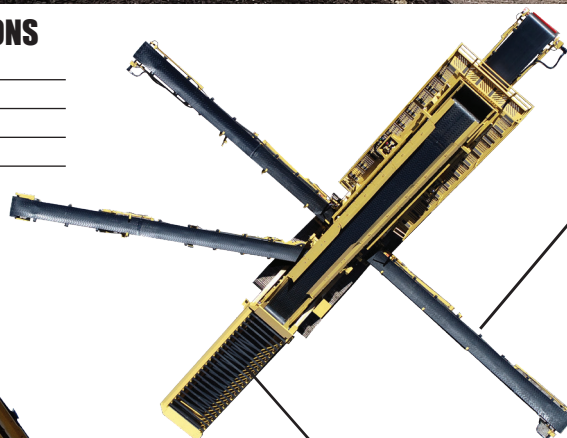
- Features three 5' x 20' screen decks
- Generates Up To 4 Sized Products
- Patented Smooth Start[®] Technology



520TS3 OPERATING SPECIFICATIONS

Height	20'-8"	6.3m
Length	58'-7"	17.9m
Width	59'-2"	18.0m
Total Weight	71,000 lbs.	32,205kg

Smooth Start[®] Technology (Patent #6,669,026) prolongs machine and component life by eliminating violent shaking during warmup and shutdown



Adjustable side stacker angles and heights

Remote control tipping grizzly helps pre-sort oversize material before screening

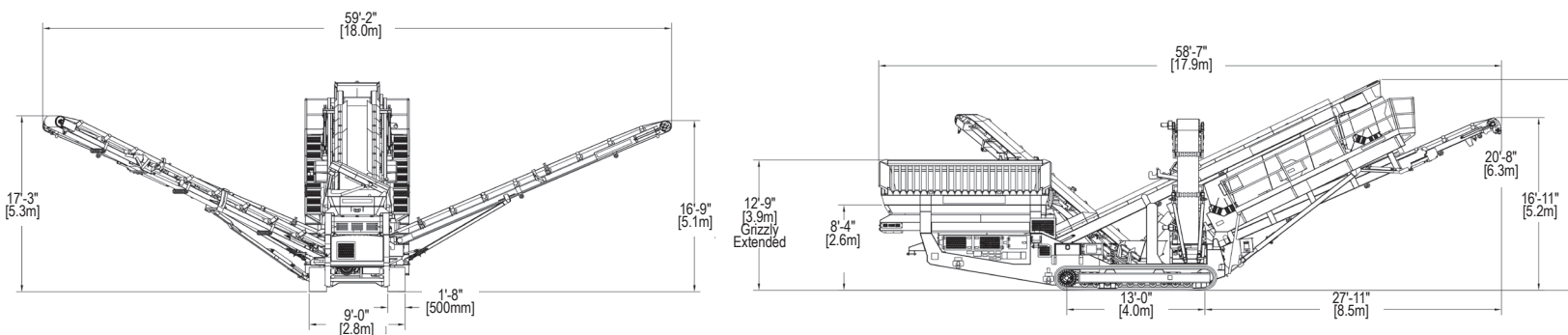
Heavy-duty 9 Cu. Yard (6.9 cu/m) capacity hopper

Triple deck screen box with 5/16" (8mm) throw at 1,000 RPM

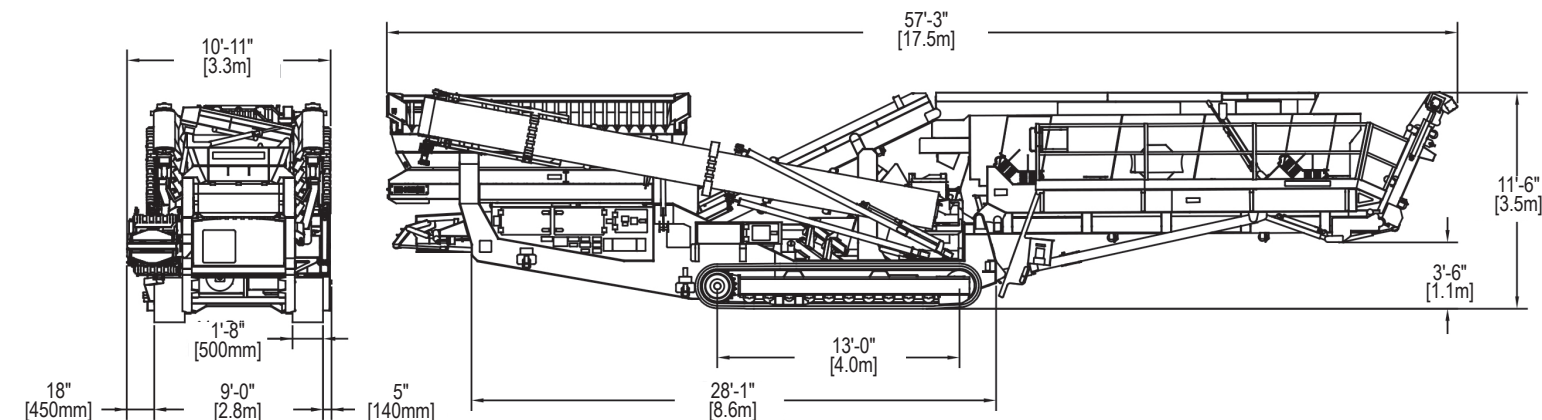


Heavy-duty tracked undercarriage with easy-to-use wireless remote control, for quick and efficient set-up and operation

CAT[®] C4.4 110 HP (82kw) Tier IV Final diesel engine



TRANSPORT DIMENSIONS



SCREENS

- Triple-deck, two-bearing screen box
- All three decks measure 5'-0" x 20'-0" (1.5m x 6.1m)
- Adjustable screen angles (4 operating positions — 18°, 21°, 24°, 27°)
- 1/4" (6mm) USA-made Grade 80 steel screen box walls
- Smooth Start™ Technology (US Patent #6,669,026)
- Main and Fines conveyors split from screen box for easy maintenance
- Top and middle decks are side tension, bottom deck is end tension

POWER SYSTEMS and CONTROLS

- CAT® C4.4 110 HP (82kw) Tier IV Final diesel engine
- 75 gallon (284L) fuel tank with lockable fuel cap
- 120 gallon (454L) baffled hydraulic tank
- Four (4) emergency stops plus (1) stop button on wireless remote
- Digital control panel monitors all machine functions and any required routine maintenance

UNDERCARRIAGE

- Heavy-duty tracks with 10" (260mm) ground clearance
- 20" (500mm) shoe width w/outside track dimension of 9'-0" (2.8m)
- Sealed and lubricated pins and bushings

MAIN/DISCHARGE WINDROW CONVEYORS

- 42" (1,067mm) main belt raises from screen box for maintenance
- Overs, Large Mids, Small Mids discharge belts cleated and variable speed
- 16'-9" (5.1m) Oversize discharge height / 24" (600mm) belt width
- 16'-11" (5.2m) Fines discharge height / 42" (1,067mm) belt width
- 17'-3" (5.3m) Large Mids discharge height / 24" (600mm) belt width
- 16'-9" (5.1m) Small Mids / 24" (600mm) belt width
- Side discharge belt angles: 18°, 21°, 24°; Fines belt adjustable up to 25°

HOPPER/FEEDER

- 1/4" (6mm) thick steel side walls
- 9 7/8" (251mm) center-to-center spacing on idlers
- 5" (127mm) diameter center idler cans
- 42" (1,067mm) wide 3-ply 330 PIW belt
- Hydraulic motor drive with 12" (305mm) lagged head pulley
- Low feed height - 8'-4" (2.6m) without grizzly
- Feed height of 12'-9" (3.9m) at high side of grizzly (3 height settings)
- 9 Cu. Yard (6.9 Cu. Meter) hopper capacity
- Feed opening 14'-10" x 4'-2" (4.5m x 1.3m) without grizzly
- Feed opening 16'-0" x 5'-6" (4.9m x 1.7m) with grizzly
- Feed Match: 3-4 yd³ loader or 1-3 yd³ excavator

Height	Length	Width	Weight	Top Deck	Mid Deck	Bottom Deck	Oversize	Conveyor Widths			Fines	Oversize	Discharge Heights			Fines	Engine	Tracks	Fuel Capacity	Hydraulic Capacity
20'-8"	58'-7"	59'-2"	71,000lbs	5'-0"x20'-0"	5'-0"x20'-0"	5'-0"x20'-0"	24"	Lg Mids	Sm Mids	24"	42"	16'-9"	17'-3"	16'-9"	16'-11"	16'-11"	CAT	18" wide	75gal	120gal
6.3m	17.9m	18.0m	32,205kg	1.5m	1.5m	1.5m	600mm	600mm	600mm	600mm	1,067mm	5.1m	5.3m	5.1m	5.2m	5.2m	110 HP	500mm	284L	454L
				x6.1m	x6.1m	x6.1m											82kw			