

SCREEN MACHINE[®] 520TS3 SPYDER SCREEN PLANT

AMERICAN-MADE INNOVATION SINCE 1966

TRIPLE DECK SCREENING

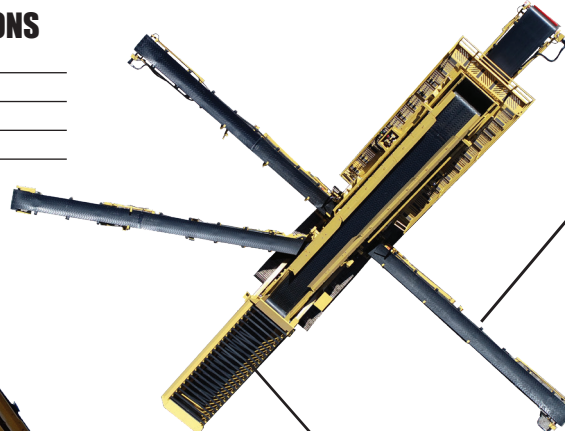
- Features three 5' x 20' screen decks
- Generates Up To 4 Sized Products
- Patented Smooth Start[®] Technology



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

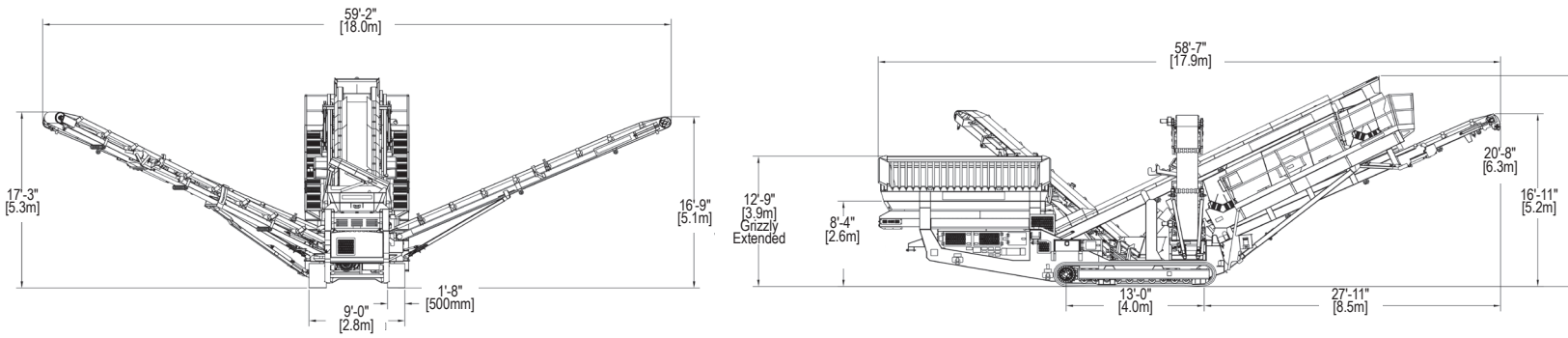
Heavy-duty 9 Cu. Yard (6.9 cu/m) capacity hopper

Triple deck screen box with 5/16" (8mm) throw at 1,100 RPM

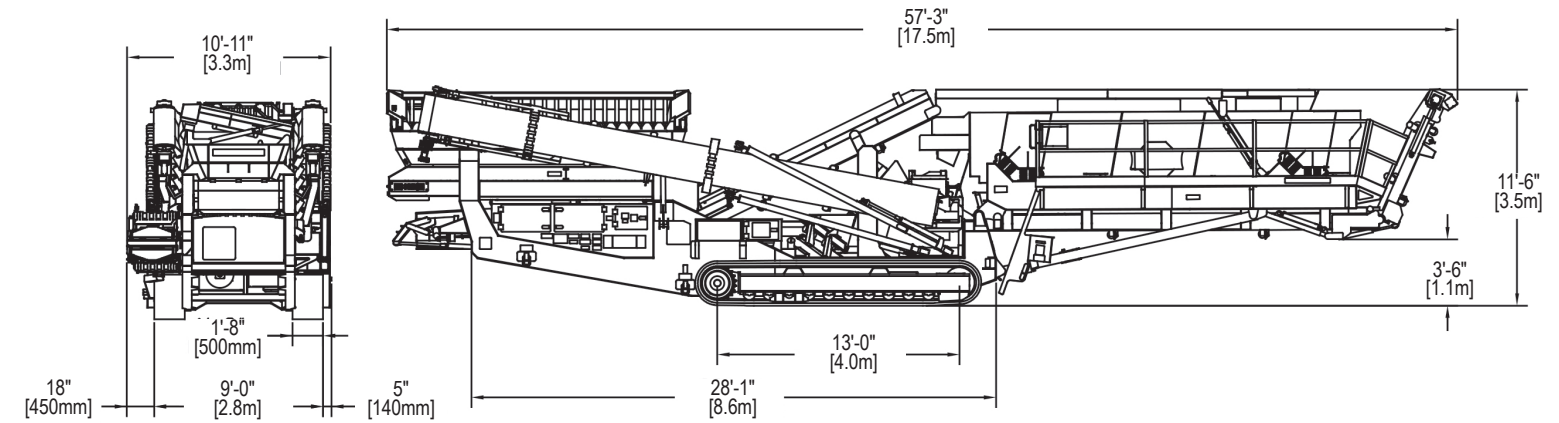


Heavy-duty tracked undercarriage with easy-to-use wireless remote control, for quick and efficient set-up and operation

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