

# SCREEN MACHINE™ 516T SPYDER SCREEN PLANT

AMERICAN-MADE INNOVATION SINCE 1966



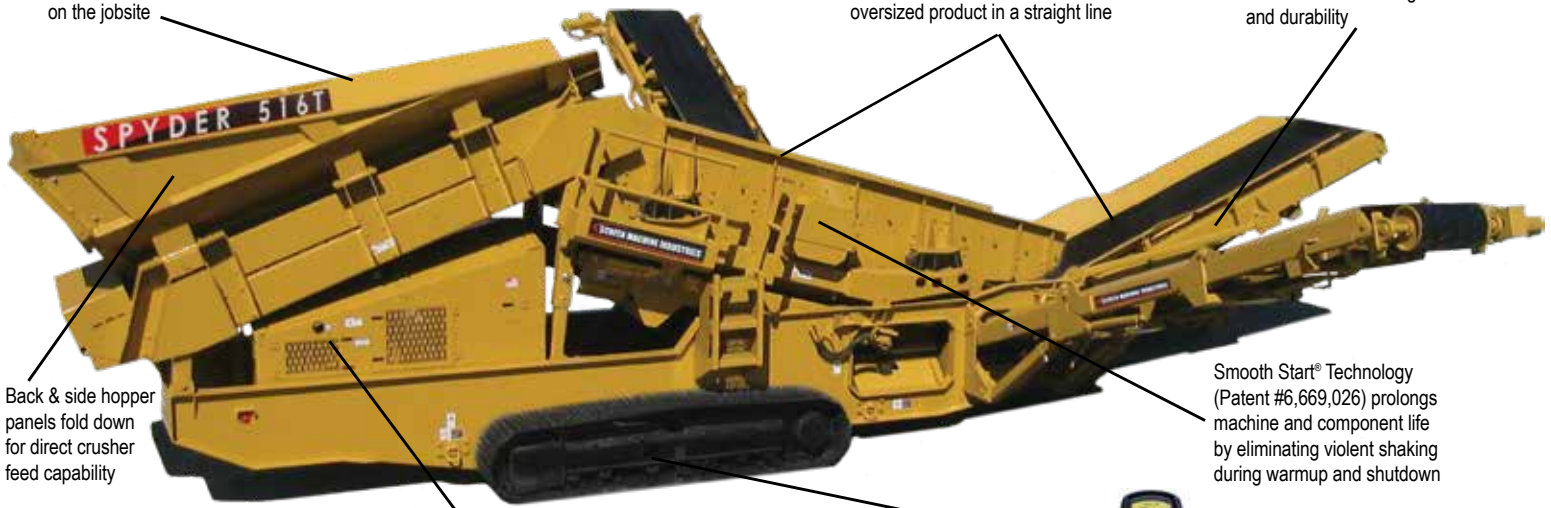
## PRIMARY SCREENING POWER

- One Of The Top Primary Screens Available
- Proven Productivity And Dependability
- Patented Smooth Start® Technology

Feed hopper can be loaded from three sides (Patent #6,698,594), accommodating constraints on the jobsite

Open flow design with impact beds on oversized conveyor and feeder carries oversized product in a straight line

USA-made Grade 80 steel construction for strength and durability



Back & side hopper panels fold down for direct crusher feed capability

CAT® C4.4 110 HP Tier IV diesel engine

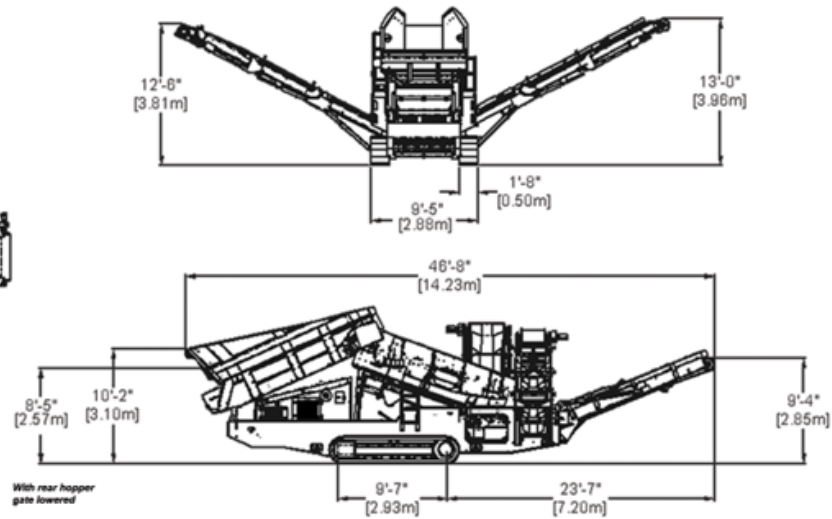
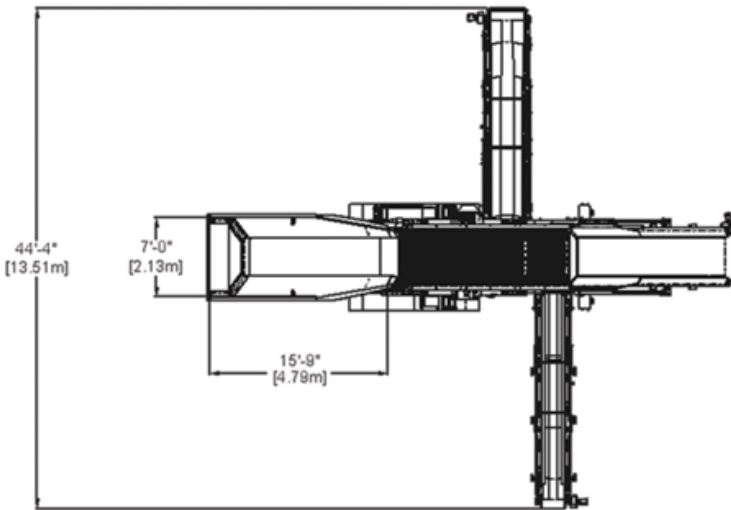
Heavy-duty tracked undercarriage with easy-to-use wireless remote control, for quick and efficient set-up and operation

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

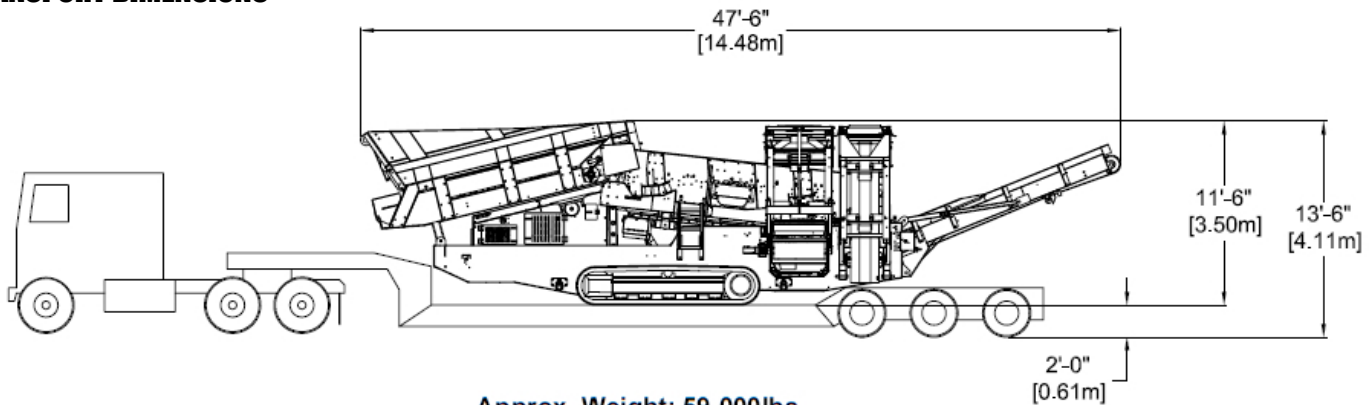


## 516T SPECIFICATIONS

Height	11'-6"	3.51m
Length	47'-6"	14.48m
Width	9'-6"	2.9m
Total Weight	59,000 lbs.	26,762Kg



**TRANSPORT DIMENSIONS**



Approx. Weight: 59,000lbs.  
Width: 9'-11"

**SCREENS**

- 5'-0" x 16'-0" (1.52m x 4.88m) top deck
- 5'-0" x 14'-0" (1.52m x 4.27m) bottom deck
- Double-deck, two-bearing screen
- Adjustable screen angle (three operating positions)
- 3/8" (9.5mm) US-made grade 80 steel screen box frame
- Smooth Start® Technology (US Patent #6,669,026)
- Screen box splits from Unders Conveyor for ease of access
- Top deck wire screen cloth (included)
- Bottom deck wire cloth or harp deck screens (included)

**POWER SYSTEMS and CONTROLS**

- CAT® C4.4 110 HP Tier IV Final diesel engine
- 75 gallon (284L) fuel tank with lockable fuel cap
- 120 gallon (454L) baffled and lockable hydraulic tank
- Hydraulic oil cooler
- Lockable control panels
- Four (4) emergency stops / plus (1) stop button on wireless remote
- Wireless remote control operation and travel

**FEEDER**

- US-made grade 80 unibody steel frame construction with fixed catwalks
- Integrity of frame eliminates need for outriggers or landing gear
- Heavy-duty unibody frame design to support most harsh conditions
- All discharge conveyors are at far opposite end of feeder

**STRUCTURE**

- True three-sided loading at feed hopper
- 1/2" (13mm) thick US-made grade 80 steel walls
- 1" (25.4mm) thick UHMW plastic impact bed liners
- 5" (130mm) diameter impact idler cans
- 48" (1,219mm) wide 3 ply 600 PIW with remote control variable speed
- Dual motor wrap drive with 18" (457mm) head pulley
- Low feed height - 10'-2" (3.1m) at end of hopper
- Feed height lowers to 8'-3" (2.5m) when tailgate is folded down
- 8.5 (struck) - 12 Cu. Yard (heaped) (6.5 - 9.17 Cu. Meter) hopper capacity
- Feed length 15'-9" (4.8m); Feed width 7'-0" (2.13m)
- Wireless remote variable feeder belt speed control
- Feed Match: 4 - 6 Cu. Yard loader and 1 - 3 Cu. Yard excavator
- Remote control vibratory feeder speed (600-850 RPM)

**MAIN/DISCHARGE WINDROW CONVEYORS**

- All belts are variable speed with guide rollers, US-made grade 80 chutes
- Discharge belts: oversize and midsize belts are Chevron Cleated Type
- 9'-4" (2.84m) Oversize discharge height (48" (1,219mm) Belt Width)
- 12'-6" (3.81m) Fines discharge height (36" (914mm) Belt Width)
- 13' (3.96m) Midsize discharge height (24" (610mm) Belt Width)
- Side discharge belt angles: 18°, 21°, 24°, 28° Overs Belt 17° - 22°

**UNDERCARRIAGE**

- Tracks with 9" (229mm) ground clearance
- Sealed and lubricated pins and bushings
- Outside track width 9'-5" (2.9m) US-made grade 80 steel unibody

Height	Length	Width	Weight	Conveyor Widths			Discharge Heights			Engine	Tracks	Fuel Capacity	Hydraulic Capacity		
				Top Deck	Bottom Deck	Oversize	Midsize	Fines	Oversize					Midsize	Fines
11'-6"	47'-6"	9'-11"	59,000lbs	5'-0"x16'-0"	5'-0"x14'-0"	48"	24"	36"	9'-4"	13'-0"	12'-6"	Cat C4.4	16" wide	75gal	120gal
3.51m	14.48m	2.9m	26,762kgs	1.52m	1.52m	1,219mm	610mm	914mm	2.84m	3.96m	3.81m	110 HP	400mm	284L	454L
				x4.88m	x4.27m							82kw			