SECONDARY SCREEN SUPERSTARS!
- 2-Deck And 3-Deck Options Available
- Proven Productivity And Dependability
- Patented Smooth Start® Technology

514TS SPECIFICATIONS
- Height: 11'-6" (3.51m)
- Length: 52'-1" (15.86m)
- Width: 9'-10" (3.0m)
- Total Weight: 52,000 lbs. (23,586Kg)

514TS3 SPECIFICATIONS
- Height: 11'-6" (3.51m)
- Length: 52'-2" (15.90m)
- Width: 10'-11" (3.33m)
- Total Weight: 59,000 lbs. (26,762Kg)

Yanmar 74 HP (55kw) Tier IV Final diesel engine

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

Adjustable side stacker angles and heights

Heavy-duty 8 Cu. Yard (6.1 cu/m) capacity hopper

Yanmar 74 HP (55kw) Tier IV Final 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

Heavy-duty 5' x 14' (1.5m x 4.3m) double deck screen box (514TS) or triple deck screen box (514TS3) with 5/16" (8mm) throw at 1,100 RPM

Available as 2-deck (514TS) or 3-deck (514TS3) screening plant
**SCREEN MACHINE**

**OPERATING DIMENSIONS**

**TRANSPORT DIMENSIONS**

**SCREENS**
- 5'-0" x 14'-0" (1.5m x 4.3m) top deck, middle deck (514TS3 only)
- 5'-0" x 12'-0" (1.5m x 3.7m) bottom deck
- Double-deck, two-bearing screen
- Double deck adjustable screen angle (4 operating positions)
- 1/4" (6.35 mm) US-made grade 80 steel screen box walls
- Smooth Star® Technology (US Patent #6,669,026)
- Fines conveyor splits from screen box for easy maintenance
- Top deck side tension wire screen cloth (included)
- Bottom deck end tension wire cloth or harp deck screens (included)

**POWER SYSTEMS and CONTROLS**
- Yanmar® 74 HP (55kw) Tier IV Final diesel engine
- 75 gallon (284L) fuel tank with lockable fuel cap
- 125 gallon (473L) baffled hydraulic tank
- Oilair® hydraulic oil cooler
- Lockable control panels, toolbox
- Four (4) emergency stops plus (1) stop button on wireless remote
- Wireless remote control operation and travel up to 300′ (91m)

**UNDERCARRIAGE**
- Heavy-duty tracks with 8" (203mm) ground clearance
- 15.7" (400mm) shoe width with outside track dimension of 8'-2" (2.49m)
- Sealed and lubricated pins and bushings

**HOPPER/FEEDER**
- 1/4" (6.35mm) 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 - 9'-4" (2.84m) without grizzly
- Feed height of 12'-10" (3.91m) at high side of grizzly (3 height settings)
- 8 Cu. Yard (6.1 Cu. Meter) hopper capacity
- Feed opening 13′-0" x 5′-0" (4m x 1.5m) without grizzly
- Feed opening 14′-0" x 5′-0" (4.3m x 1.5m) with grizzly
- Variable speed feeder belt
- Feed Match: 3-4 yd³ loader or 1-3 yd³ excavator

**MAIN/DISCHARGE WINDROW CONVEYORS**
- 42" (1,067mm) main belt raises from screen box for maintenance
- Oversize and midsize discharge belts are cleated and variable speed
- 16-6′ (5.04m) oversize discharge height (24" (610mm) Belt Width)
- 13-10′ (4.22m) fines discharge height (42" (1,067mm) Belt Width)
- 16′-6′ (5.04m) midsized discharge height (24" (610mm) Belt Width)
- Side discharge belt angles: 18°, 21°, 24°
- Fines belt adjustable up to 23°
- All belts feature standard guide idlers for centered belt tracking

---

**514TS, 514TS3 Spyder Specifications**

<table>
<thead>
<tr>
<th></th>
<th>514TS</th>
<th>514TS3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>11'-6&quot;</td>
<td>11'-6&quot;</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>47'-6&quot;</td>
<td>47'-6&quot;</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>9'-11&quot;</td>
<td>9'-11&quot;</td>
</tr>
<tr>
<td><strong>Weight</strong> (lbs)</td>
<td>59,000</td>
<td>59,000</td>
</tr>
<tr>
<td><strong>Top Deck</strong></td>
<td>3.51m</td>
<td>3.51m</td>
</tr>
<tr>
<td><strong>Bottom Deck</strong></td>
<td>4.48m</td>
<td>4.48m</td>
</tr>
<tr>
<td><strong>Conveyor Widths</strong></td>
<td>48′</td>
<td>48′</td>
</tr>
<tr>
<td><strong>Discharge Heights</strong></td>
<td>9′-4″</td>
<td>9′-4″</td>
</tr>
<tr>
<td><strong>Engine</strong></td>
<td>110 HP</td>
<td>110 HP</td>
</tr>
<tr>
<td><strong>Tracks</strong></td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td><strong>Fuel Capacity</strong> (gal)</td>
<td>75gal</td>
<td>75gal</td>
</tr>
<tr>
<td><strong>Hydraulic Capacity</strong> (gal)</td>
<td>123gal</td>
<td>123gal</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th></th>
<th>514TS3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>11'-6&quot;</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>47'-6&quot;</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>9'-11&quot;</td>
</tr>
<tr>
<td><strong>Weight</strong> (lbs)</td>
<td>59,000</td>
</tr>
<tr>
<td><strong>Top Deck</strong></td>
<td>3.51m</td>
</tr>
<tr>
<td><strong>Bottom Deck</strong></td>
<td>4.48m</td>
</tr>
<tr>
<td><strong>Oversize &amp; Midsize</strong></td>
<td>0′x16-0″</td>
</tr>
<tr>
<td><strong>Conveyor Widths</strong></td>
<td>48′</td>
</tr>
<tr>
<td><strong>Discharge Heights</strong></td>
<td>9′-4″</td>
</tr>
<tr>
<td><strong>Engine</strong></td>
<td>110 HP</td>
</tr>
<tr>
<td><strong>Tracks</strong></td>
<td>1000</td>
</tr>
<tr>
<td><strong>Fuel Capacity</strong> (gal)</td>
<td>75gal</td>
</tr>
<tr>
<td><strong>Hydraulic Capacity</strong> (gal)</td>
<td>123gal</td>
</tr>
</tbody>
</table>