**520TS3 OPERATING SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>20'-8&quot;</td>
</tr>
<tr>
<td>Length</td>
<td>58'-7&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>59'-2&quot;</td>
</tr>
<tr>
<td>Total Weight</td>
<td>71,000 lbs.</td>
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</table>

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

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

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

TRIPLE DECK SCREENING
- Features three 5’ x 20’ screen decks
- Generates Up To 4 Sized Products
- Patented Smooth Start® Technology

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

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

Adjustable side stacker angles and heights

Triple deck screen box with 5/16” (8mm) throw at 1,100 RPM
**SCREEN MACHINERY OPERATING DIMENSIONS**

- **Screen Specifications**
  - **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/outsid3e track dimension of 9'-0" (2.8m)
    - Sealed and lubricated pins and bushings

**TRANSPORT DIMENSIONS**

- **520TS3 Spyder Screen Specifications**

<table>
<thead>
<tr>
<th>Height</th>
<th>Length</th>
<th>Width</th>
<th>Weight</th>
<th>Top Deck</th>
<th>Mid Deck</th>
<th>Bottom Deck</th>
<th>Over Size</th>
<th>LG Mids</th>
<th>SM Mids</th>
<th>Fines</th>
<th>Discharge Heights</th>
<th>LG Mids</th>
<th>SM Mids</th>
<th>Fines</th>
<th>Engine</th>
<th>Tracks</th>
<th>Fuel Capacity</th>
<th>Hydraulic Capacity</th>
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<tbody>
<tr>
<td>20'-8&quot;</td>
<td>58'-7&quot;</td>
<td>59'-2&quot;</td>
<td>71,000lbs</td>
<td>5'-0&quot;x20'-0&quot;</td>
<td>5'-0&quot;x20'-0&quot;</td>
<td>5'-0&quot;x20'-0&quot;</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>42&quot;</td>
<td>16'-9&quot;</td>
<td>17'-3&quot;</td>
<td>16'-9&quot;</td>
<td>16'-11&quot;</td>
<td>CAT</td>
<td>18&quot; wide</td>
<td>75gal</td>
<td>454L</td>
</tr>
<tr>
<td>6.3m</td>
<td>17.9m</td>
<td>18.0m</td>
<td>32,205kg</td>
<td>1.5m</td>
<td>1.5m</td>
<td>1.5m</td>
<td>600mm</td>
<td>600mm</td>
<td>600mm</td>
<td>1,067mm</td>
<td>5.1m</td>
<td>5.3m</td>
<td>5.1m</td>
<td>5.2m</td>
<td>110HP</td>
<td>500mm</td>
<td>284L</td>
<td></td>
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</table>

**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’ (350mm) 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**