

Specification	STM
Cab Chassis	Mercedes 3341A
Type	6x6 Off Road (33TGVM)
Body	STM (3)
Payload	<p>Actual hopper volume is as follows:</p> <p>10m3 Stemming Material (Water Line)</p> <p>13m3 Stemming Material (Heaped 20 deg Approx.)</p> <p>1,000L Water</p> <p>Hydraulic Oil</p> <p>Diesel Fuel</p>
Dust Suppression	<p>Fitted as Standard</p> <p>Efficiency of our system reduces ambient respirable dust concentrations of a minimum 87%. Target 100%.</p> <p>StemSafe trucks are fitted standard with dust suppression utilising a water spraying system to suppress dust arising from the conveyor & transfer points.</p> <p>This is a patented system not available from anyone else.</p> <p>On-site monitoring of operators for respirable dust & quartz exposure in accordance with Australian Standard 2985 – Workplace atmospheres – Method for Sampling & Gravimetric Determination of Respirable Dust</p> <p>Provide control recommendations to maintain relevant compliance with Coal Mining Safety & Health Regulation 2001 and relevant Australian Standard guidance.</p> <p>Respirable dust & quartz analysis conducted by a NATA accredited associate laboratory utilizing FTIR techniques.</p> <p>Analysis utilizing the AIHA IHSTAT package to determine statistical trends and significance of variation between both operational conditions (suppression on/off).</p>
Delivery System	<p>Reclaim Conveyor Transfer Conveyor Delivery Conveyor Slew Chute</p> <p>- Slewable Conveyor 5m - Slewable 0 to 210 Deg - Elevation -10 Deg to +30 Deg. Approx. - Slewable Chute</p>

	<ul style="list-style-type: none"> - Slewable 0 – 110 Deg - Reach 0 – 1.2m <p>- Fully automatic and calibrated with accuracy to +/- 0.01 linear metres in hole.</p> <p>Maximum Approx. 51 m3 P/Hr.</p>
Operation	<p>In Cabin Multifunction Control Monitor (GUI)</p> <p>The control system provides the following functionality:</p> <ul style="list-style-type: none"> • Product gate raise and lowering • Transfer conveyor activation/de-activation for testing • Reclaim conveyor activation/de-activation for testing • Discharge conveyor activation/de-activation for testing • Wash down mode for activating the water pump for cleaning the machine • Discharge conveyor slew left/right and luff up/down • Chute slew left/right • Configurable water pump settings for auto mode dispense • Configurable hole depth and diameter • Automatic dispensing and shutoff when hole depth/diameter (volume) • Hopper vibrator <p>Configuration of:</p> <ul style="list-style-type: none"> • Test tube diameter • Dispense rate with gate fully open • Dispense rate with gate half open • Vibrator run time duration • Start-up alarm run time duration • Auto mode selection – timed • Re-claim conveyor speed <p>Production data recording of:</p> <ul style="list-style-type: none"> • Volume dispensed <p>Lifetime data recording of:</p> <ul style="list-style-type: none"> • Total aggregate dispensed
Site Specification	BMA Compliant
Fire Suppression	Excluded
Additional Fire Equipment	<p>1 x 9kg extinguisher near fuel point</p> <p>1 x 2.5kg extinguisher in Cabin</p>
Cab Ingress/Egress	Stair Access as per standard OEM Specifications
Additional Safety Equipment	<p>Emergency Stops x 5</p> <p>Battery Isolators</p> <p>Starter Isolator</p> <p>UHF Radio</p>