

**SINGLE OPERATOR SELF-CONTAINED ROAD PATCHING MACHINE  
ONE (1) OR MORE  
NEW CURRENT YEAR MODEL**

<b>Dimensions</b>	Length – Boom Retracted	Not Greater Than 26' 0"
	Width	Not Greater Than 8' 6"
	Height	Nor More Than 10' 0"
	Weight of Patching Equipment	Minimum 18,000 lbs
<b>Chassis</b>	GVWR	Minimum 33,000 lbs
	Horsepower	Minimum 239HP
	Transmission	Must be Automatic
	Must be a Factory-authorized Sales/Service Dealer within Metro-Jackson Area	
<b>Hydraulics</b>	Blower Function pump	Min 43 GPM
	Auxiliary engine pump	Min 13 GPM
<b>Auxilliary Engine</b>	Gross Output	Minimum 66 HP
	Starter and Control	In Cab
<b>Air System</b>	High volume, low pressure blower driven by truck hydraulics	Minimum 850 CFM
<b>Aggregate System</b>	Hopper Size	Minimum 5.0 CY
	Cold Weather heat kit	
	In cab vibration system	
	Hopper must be protected by metal hopper lids hydraulically operated	
	Cab controlled feed slide gate	
	Rock flow, Emulsion flow and Air Flow controlled from Cab	
	Ability to handle aggregate up to 3/4"	
<b>Aggregate Transfer System</b>	Vacuum operated. Can not utilize mechanical or moving parts to move aggregate	
<b>Emulsion Tank</b>	Minimum Capacity	Minimum 300 gallons
	Insulated tank.	
	Heat delivered by thermostatically controlled internal heater elements.	
	Asphalt/emulsion lines must be heated to prevent clogging.	
<b>Emulsion Feed</b>	Heat blankets will not be accepted	
	Air pressurized sytem. Capable of maintaining 60 psi.	
	Flush system Minimum Capacity	Minimum 30 gal.

<b>Operator Controls</b>	<p>One man operation from truck driver's seat</p> <p>All patching functions are in the cab</p> <p>LCD display monitor</p> <p>Monitor must indicate: boom location, blower speed, rock flow, emulsion flow, hydraulic temp, emulsion level and system faults</p> <p>Single joystick control for boom swing, extend/retract and up/down. Blow out mode, emulsion on/off, aggregate on/off.</p> <p>REARVIEW Camera &amp; Monitor</p>	<p>Must include Backup Camera &amp; Monitor</p>
<b>Telescopic Boom</b>	<p>Side mount storage only</p> <p>Must be no windshield obstruction in stow</p> <p>Boom must be telescopic action – articulated joints unacceptable</p> <p>Aggregate delivery tube with cable/hose carrier, heated water lines with individual nozzle shut offs.</p> <p>Double-acting swing and hoist hydraulic cylinders</p> <p>Minimum Extension of Boom Reach</p> <p>Minimum Patching Area</p>	<p>Minimum 11' 5"</p> <p>Minimum 42 Sq Ft.</p>
<b>Arrow Board</b>	<p>Minimum 30" x 60"</p>	
<b>Lights</b>	<p>Adequate Lights for Night Work</p>	<p>Minimum 2 Front and 1 Rear Lights in addition to normal chassis lighting</p>
<b>MAINTENANCE</b>	<p>Truck and Patching System Maintenance Engine and Hydraulics</p>	<p>Maintain Service Intervals (filters &amp; fluids) for 5 years/5000 hours</p>