



SMM
STEPP Master Mixer



Specifications



The Stepp Master Mixer Recycler is the perfect machine for pothole patching, mall maintenance, municipality, and paving contractors.

The Stepp Master Mix Recycler is the perfect blend of

PERFORMANCE, DURABILITY,

and VERSATILITY

for your pothole patching needs and budget!

QUICK SPEC	SMM MASTER MIX
CAPACITY	4 cu/ft.
EMPTY WEIGHT	1,600#
DIMENSIONS (LxWxH)	76"x 41"x 86"
DIESEL FUEL CAPACITY	5 Gallons
DIESEL BURNER BTU	142,000 BTU

The SMM Master Mixer asphalt recycler can make 1/4 ton batches in minutes to provide hot mix asphalt 24-7. With the master mixer, your repair is a one time repair no more cold patch!

The tailgate mounted master mixer is designed to heat, mix, and dispense hot material for your pothole repairs.

DETAILED SPECIFICATIONS

General Construction

The unit shall be all welded construction for maximum strength. Components that may need to be removed for service or replacement shall be installed with rust resistant plated hardware. All permanent electrical connections are to be soldered and then protected with heat-shrink tubing to provide trouble-free service. All other connectors to be treated with dielectric grease compound to protect against moisture and corrosion damage.

Paint

Surfaces of the unit will be properly prepared and primed per standard industry practices. The machine shall be painted in your choice of High Visibility Safety Orange, Yellow, or Black. Custom colors shall be available upon request. Shall have a two (2) part polyurethane paint.

Warranty

The warranty shall be one year on parts, materials, and workmanship. Product pumps and hoses that handle heated material have a 12 month pro-rated warranty. Component parts such as engines, hydraulic components, tires, etc., shall be covered by the component manufacturers warranties. A complete warranty statement is available upon request.



Each base unit includes a diesel burner system with flame out protection, a burner timer, and a hydraulic drive mixer which is driven from the truck's hydraulic system.

DETAILED SPECIFICATIONS



Tank Construction

The unit's frame shall be two (2) 2" x 2" frames with adjustable hooks to attach the unit to the tailgate of the dump truck. The frame will have four (4) adjustable legs with pins to adjust the unit height for different truck heights. They shall be capable of being pinned in the "up" position for road clearance. The hopper shall have a capacity of four (4) cubic feet with 2" ceramic insulation and a 16 gauge steel insulation jacket. The mixing chamber shall be a pugmill recycler capable of recycling asphalt millings and chunk asphalt in less than 15 minutes. The mixing chamber is constructed of 1/4" AR400 steel with a replaceable liner. The mounting system is to include tailgate hooks for mounting and shall have provisions for chain downs.



Heating System

Shall be diesel fired with a fire box constructed of 3/16" steel. Shall be designed so as no flame will come in contact with any material. Insulated with 1 1/2" of refractory type insulation. System to include spark ignition system to electronically light the burner and shutdown the system in event of a flame out. The spark ignition shall be powered from the trucks 12 volt system.



Shoveling Platform

The material shall dispense onto the attached shoveling platform. Platform shall be removable to dispense material directly onto the roadway.

DETAILED SPECIFICATIONS

Diesel Heating System

Diesel Burner

The machine is to be equipped with one (1) Beckett forced air diesel fuel burner with an operating output of up to 142,000 BTU. The burner is completely self contained with automatic ignition and safety shut off circuitry to stop the fuel flow if the flame goes out. The burner is designed to operate on 12 volt DC power without the need for additional adaptors or apparatus. The heating system shall operate on either #1 or #2 diesel fuel. Fuel is supplied from a 30 gallon fuel tank.



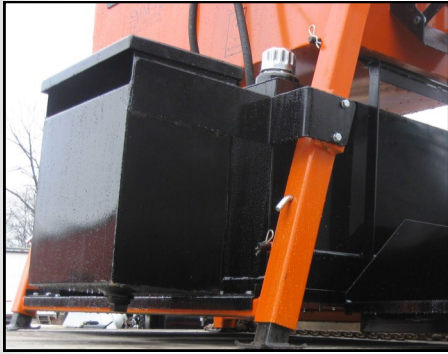
Hydraulic Drive Mixer

The mixer shall be driven from a hydraulic motor that shall be powered by the trucks hydraulic system. The mixer shall have a hydraulic flow control valve to operate the mixer in the mix and discharge mode (forward/reverse). The pugmill mixer shall be replaceable bolt in design. Engine driven hydraulic systems optional .



Burner Timer (not pictured)

Unit will be equipped with a burner timer to aid in the production of recycled materials. The timer will be resettable and adjustable in seconds and minutes. The burner will shut off once the timer has reached the set time preventing overheating of the materials.



Shovel Cleaning Compartment

Shall be constructed of 12 gauge material with splash guard compartments, drain plug, and rain tight cover. Shall hold (4) four shovels.



Honda Gasoline

Shall be Model GX390, air cooled 4-stroke OHV petrol engine, 25" inclined cylinder, with horizontal shaft. Shall be 11HP with transistorized igniter system and recoil electric start system. Shall have an 18AMP charging circuit.



Lights

2 light system

Strobe Light

12 volt powered. Controlled from operators control panel. Strobe mounted on top rear of the unit.



Arrowboard

12 volt powered directional arrowboard. Controlled from operators control box. Mounted on rear of unit. Optional location available on request.

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Visit Our Website at STEPPMFG.COM

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