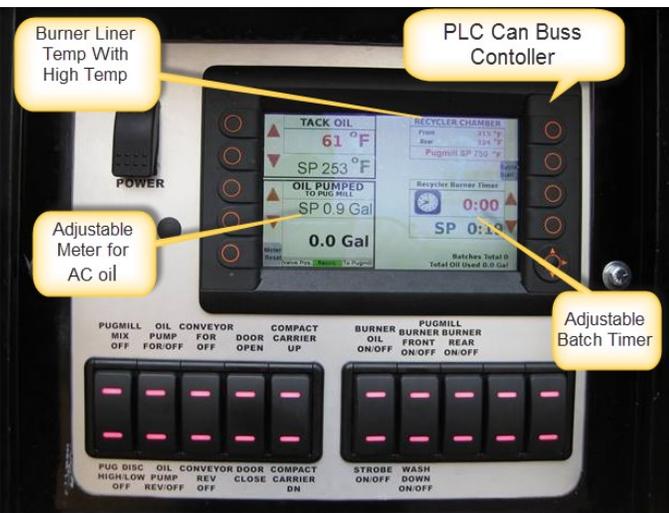
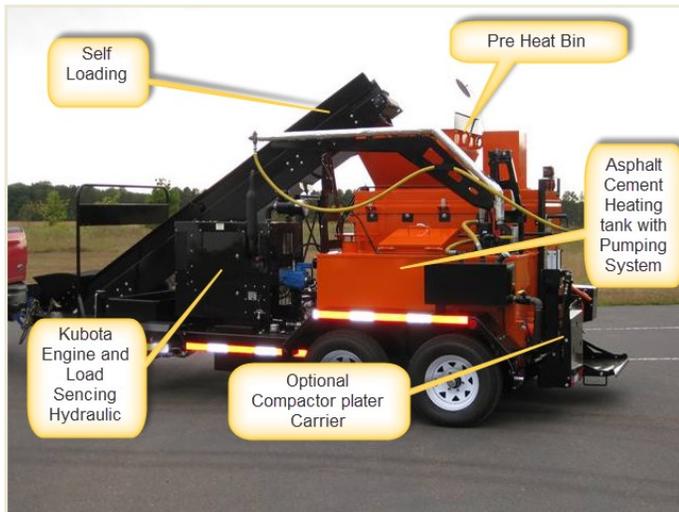


STEPP SRM RECYCLER	<i>VS.</i>	FALCON HOT BOX
<p>The Stepp SRM 10x120 is a all in one pug-mil mixer with Liquid asphalt kettle and self loading conveyor. No other machinery is needed other than a dump truck to haul millings.</p> <p>The Stepp SPH and SPHD are built like the Falcon Hot box and compete with similar options. We do not market our SPH and SPHD hot boxes as recyclers but rather as Reclaimers. They will reheat/Reclaim asphalt materials identically to the Falcon "recycler"</p>		<p>Falcon Hot Box is a static heated triple wall box designed to heat asphalt material. No mixing Pugmil, No metered asphalt pumping system. Uses a Asphalt Rejuvenator to soften the old asphalt but does not add AC oil back into the finished product.</p> <p>Markets the unit as a Recycler.</p>
<p>Makes 1000 pound batches in 8-12 mins</p>		<p>Makes one 4 ton batch in 3-8 Hours</p>
<p>Self loading conveyor to load asphalt millings into preheat hopper. Only requires dump truck with a grain chute installed in the tailgate or a live bottom truck box.</p>		<p>Requires a loader to load material</p>
<p>Has 120 gallon Liquid AC tank with a metering pump. This allows you to add exactly how much oil is need to replace the AC that is no longer in the recycled millings.</p> <p>This is the single most important step in recycling asphalt to bring the finished material back to a like new asphalt spec material. We use the same process that a commercial Asphalt plant would to make new material.</p>		<p>Has a hand sprayer with Rejuvenator that softens the asphalt but does not add any AC back into the mix.</p>
<p>Uses two burners with an output of 840,000 BTU to heat the u shaped liner</p>		<p>Uses two burners with an output of 200,000-250,000 BTU</p>

STEPP SRM RECYCLER	<i>vs.</i>	FALCON HOT BOX
Liquid AC Tank also has a built in tack, spray wand for pre tacking the pothole		Separate optional tack tank
Has a Kubota 35 HP Diesel Engine with noise deadening vandal proof enclosure to power hydraulic system to turn Pugmil mixer and operate ac pump and conveyor		Uses a 5 hp Honda to pump asphalt rejuvenator. No conveyor, no tack pump no mixer.
Uses a 1/4" AR400 Hardened material for mixing paddles and heating liner. All are replaceable with a wrench		Use 1/4 steel plate. Non-replaceable without a welder and torch
Uses a PLC Can Buss controller to program a metered amount of AC oil, prevent overheating and set batch timer. Also includes self diagnostic feature with operator attention light.		Has burner thermostat for temp only.
Designed to make materials as need and as much as they need		Limited to only one batch per day.
Can make custom mixes from virgin aggregate.		Only can recycle or keep plant bought mix hot.
60 gallon fuel tank supplies fuel the three burners and the engine.		30 gallon fuel tank supplies the fuel for the diesel burner.

STEPP SRM RECYCLER	<i>VS.</i>	FALCON HOT BOX
The Stepp SRM10x120 shall be capable of producing ½ ton batches every 6-12 minutes for a production rate of around 3 tons per hour.		Hot box holds, heats, and stores up to 4 tons of asphalt material.
Consists of a preheat hopper, a heating/mixing chamber, and an additive kettle– all which aid in the proper RECYCLING process of asphalt materials.		Consists of one main hopper to hold, heat, and RECLAIM asphalt materials, not giving you the opportunity to create a new and usable product.
Oil must be added in order to make the material workable and to replace oils that have dissipated or oxidized from the original material. Without this key ingredient, you will end up with a dry patch material that just won't bond.		No oil is added to original millings being used. You will end up with same quality of material you started with, where as with the Stepp Recycler, you can begin with a bad material, and end up with a better material, due to the ability to add AC oil.
Oil is added from the additive kettle to the heating/mixing chamber by means of a hydraulically driven pump at a controlled rate, creating a new, usable material from the original millings.		Falcon does not add oil to material, leaving you with the same dried out asphalt you started with.
End material is discharged using a rotating pugmil. Pugmil is also used for mixing the material with the oil inside the mixing chamber. Can auger metered amount of product		Material is discharged from the hopper using a dump system with two hydraulic cylinders.
Stepp shall have a top load hopper constructed of 10 gauge material.		No Pre heat hopper.
The heating/mixing chamber is heated with two diesel fueled Beckett burners in an indirect method, meaning the flame never comes into contact with the material.		Falcon's hot box reclaimer is the same unit as the hot box "recycler", with the exception of a second burner added. Adding a second burner to a reclaimer does nothing besides add cost and maintenance to the machine.

Stepp SRM 10x120 Asphalt Recycler



Falcon Hot Box Recycler



Stepp SPH Hot Box Reclaimer



Stepp SPHD Dump Style Reclaimer

