

100 % Recycled Asphalt

Mobile Asphalt Recycling

# PT 10-120 ASPHALT RECYCLER

Hot Mix 24-7  
Produce Virgin HMA  
Produce Cold Patch  
Heated Tack Spray  
Self Loading

Recycle Crushed Asphalt, Millings and Broken Chunk RAP

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**PTIC**  
Pavement Technologies International Corp

## Mobile Asphalt Patching

The PT 10-120 brings customers the latest in mobile asphalt recycling technology providing permanent, cost effective road repairs long after the hot-mix plants have closed.

The PT 10-120 is engineered to recycle RAP materials and also produce virgin HMA. Since its introduction to highway departments some 27 years ago, the PT 10-120 has set the standard for mobile asphalt recyclers. Today, the PT 10-120 is used by airports, the US Air Force, highway departments and contractors around the world.



## Recycle or Produce

No more waiting on the local hot mix plants. Recycle all year long, 24/7, Nights, Weekends and Winters.

## Year Round HMA

Designed to recycle RAP millings and asphalt chunks as well as produce virgin hot mix asphalt & high performance cold patch.

## Speed

A 3 ton per hour production rate makes pothole patching a breeze. A half ton batch of RAP can be recycled to 300°F in just 10 minutes. Recycling time will vary depending on moisture content.

## Self Contained

The PT-SRM10 is totally self-contained allowing the towing vehicle to feed RAP millings to the recycler. There is no need to haul additional loading equipment to the job site.

## Proven Reliability

The US Air Force, Hobby Airport TX, Lambert Airport IL, Aeropuertos Dominicana Dominican Republic and others have come to rely on the PT-SRM Recycler's dependability for quality, year round hot mix.

**Mobility:** The PT 10-120 is a fully mobile, self contained, asphalt patching recycler (also available skid mounted). At 6,790 LBS the PT0-120 is designed to be easily towed behind a truck. It is equipped with dual 6000 lb. axles, DOT lighting and your choice of electric or hydraulic brakes.



**Conveyor Loading:** A loading conveyor allows millings to be quickly loaded to the charging bin directly from the towing vehicle.

No additional loading equipment is needed. For loading large RAP pieces an optional 8' tilting charging bin is available.



## Loading Hopper:

RAP is preheated in the loading hopper as a 2nd batch of RAP is recycled within the mixing chamber.



**Recycling:** RAP material enters the recycler from the loading hopper. Here the RAP is mixed, heated and broken down. Moisture is then removed and additive may be mixed in as the RAP is recycled to the target temperature. The PT 10-120 produces 1/2 ton batches

**Tack Coating:** Applying tack coat to the repair area extends the life of the repair. Simply turn the additive valve to the



"Hose" position and spray tack to the repair site using the spray wand. Available options include a hose reel, overhead hose boom and an overnight heater.



**Repairs:** Patching is simple to perform. With the flip of a switch, the operator simply discharges as little or as much hot mix as is needed.



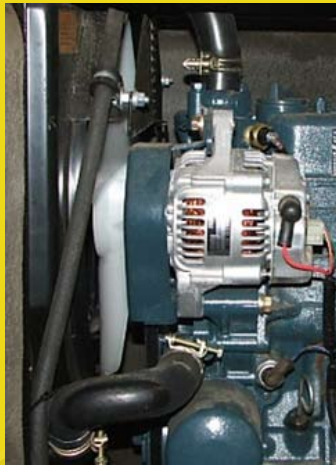
**Controls:** are safely located in a weather tight, curb side rear control panel. All operations are switch controlled and include: burners on/off, conveyor direction and speed, loading doors open/close, mixer direction, discharge speed, kettle thermostat with LCD display and a burner timer. A full set of hydraulic lever controls provide a fully redundant system in the event of a switch failure.



**Rake & Roll:** The PT 10-120 is easy to use and the onboard additive tank ensures quality hot mix with every batch recycled. Simplicity of use allows the crew to focus on what's most important, tack coating and proper lay down. Hot mix material is placed using standard methods. An optional plate compactor or roller can be carried onboard, completing your all-in-one mobile patching system.



A 30 gallon **Fuel Tank** supplies fuel to the engine and all three burners. The engine and burners are each installed with their own independent fuel system, fuel pump and filter. This prevents a malfunction in one system from effecting the others and helps speed diagnosis should a problem occur.



The **Chassis** is built of heavy duty rectangular tubing. The running gear consists of tandem axles with electric brakes, leaf spring suspension and a height adjustable 3 inch pintle ring.

**Power** is supplied by a turbocharged liquid cooled diesel engine, driving a hydraulic pump, powering the recycler, additive kettle pump, preheat hopper doors and conveyor.



**Lights** are all sealed beam. Options include 2 or 4 lamp LED, strobe light and light bar.



## ADDITIVES FOR RECYCLING

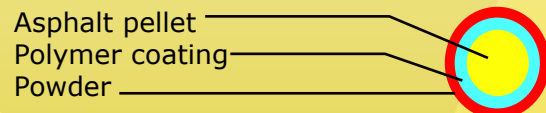
**When recycling RAP material**, a modifier or rejuvenator may improve binding properties and the workability of the HMA. Several options are available.

**Performance Grade Asphalts**, such as McAsphalt Industries' Beram Rap Rejuvenator™ is a meltable PG 58-28 asphalt delivered on pallets and conveniently packaged in plastic wrapped 25lb blocks.

**Modifiers** such as Sunoco's Hydrolene™, ExxonMobil's Polybilt 101™ and Engineered Additives LLC' Astech PER™ reduce the amount of heat required to attain full compaction while greatly improving the workability of the hot mix. This is accomplished while utilizing a small quantity of additive. Customers report good results and reduced fuel costs.

**Virgin HMA Production** requires the use of a PG asphalt. Performance Grade Asphalt is generally sold in bulk and is most economical when sourced in your local area. Look for a PG asphalt with a high 'penetration'. This will yield HMA that is softer and easier to work with when hand raking. Work with your local liquid asphalt supplier for their recommendation.

**Pelletized Asphalt** is used to produce specific mix designs of HMA and can meet exact DOT, airport and other customer requirements. The asphalt can be stored in properly sized sacks and mixed with locally available aggregates. The pellets evenly disperse during recycling. This is an ideal product for many applications including military and rapid deployment uses.



<b>SPECIFICATIONS</b>	
Weight	6,790. Lbs (3,080kg)
Length x Width x Height	236", (600cm) x 95", (241cm), 118" (300cm)
Weight	6,790. Lbs (3,080kg)
Hopper Capacity	11 cu ft, 1/2 Ton (0.311 cm) (453kg)
Burner Specifications	Diesel, Forced Air (Propane System Optional)
Burner BTU Output	Up to 420,000 BTU each, 840,000 BTU Total
Insulation Type and Thickness	2" Fiberglass & Cerwool, 2" thick (50.80 mm)
Hydraulic System Type	Eaton 7000 Series Load Sensing
Hydraulic Reservoir Capacity	30 Gallons (113.56 L)
Pugmill Chamber Liner	Replaceable ¼" Wear Resistant AR Steel
Kettle (Tack / Additive) Capacity	120 Gallons (454.25 L)
Kettle Thermostat Control Range	0-550°F (-18 - 288°C)
Kettle Pump Drive	Hydraulic, reversible, variable speed with LCD Display
Engine Specifications	Kubota®, Diesel, 36 HP, 4 Cyl.
Engine Fuel Tank Capacity	30 Gallons (113.56 L)
Loading Conveyor	16" (40.6cm) wide, cleated
Trailer Frame Material	2"x6" (5x15.3cm) x 3/16 (4.76mm) Rectangular Tubing
Trailer Axle Rating	Dual, 6,000 lbs. each (2,721.55 kg)
Trailer Lighting	DOT Compliant Sealed Beam, LED
Trailer Brake Type	Electric (Hydraulic Optional), all 4 wheels
Trailer Tire Size	Radial, 225/75 R15
Landing Gear Static Capacity	10,000 lbs each (4,536 kg)
Hitch Type	3" (7.6cm) Pintle Ring adjustable 26" to 32" (66x81cm)
<b>OPTIONS</b>	
Diesel or Propane Engine	Diesel or Propane Heating
Skid or Trailer Mount	Electric or Hydraulic Brakes on each axle
Loading Hopper 6' or 8' Long	2 or 4 Light LED System, Arrow Strip or Strobe Light
Compactor Carrier	Shovel Cleaning Compartment (included)
Hydraulic Tool Power Attachment	Hydraulic Hose Reel, for hydraulic tool attachment
Tool Box, 12" x 12" x 24"	Spare Tire mounted
15' or 20' Hose with overhead boom system: 24 volt electric heated hose for high temperature asphalt	

### **SPECIFICATIONS**

Due to continued product development, specifications are subject to change without notice or obligation. All components as specified or equal.

# HOT MIX IN JANUARY.....







**Call for a Demo**

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**Distributor Information:**

