



INFRARED ASPHALT RECYCLER PRODUCT CATALOG



KM INTERNATIONAL

INFRARED ASPHALT RECYCLERS

KM International is the industry's leading infrared manufacturer and a pre-eminent authority on the education, training, and advancement of infrared repair in the pavement maintenance industry. For 40 years KM International has worked with customers around the world and have been a vital factor in the wide spread adoption of infrared repair technology on a global scale.

WHAT IS INFRARED REPAIR?

Simply put infrared repair is the process of reheating a repair area back to its original application temperature (350F) via an infrared asphalt recycler. Once heated the area is then reworked, new material is added, and the area is compacted resulting in a seamless repair. An infrared recycler will, on average, take **7-10 minutes** to reheat an area back to 350F at a depth of **1.5"-2"**.



IR PROFIT SCENARIO (KM 4-40 & KM 4000SXPX)

		Per Repair (40 Sq. Ft)	Daily (20 Heats)	Annual (150 Days)
Revenue	800 Sq. Ft. @ \$5.00 Sq. Ft. (20 Heats Daily)	\$200.00	\$4,000.00	\$600,000.00
EXPENSES				
Material	2 Ton Daily @ \$75/ Ton	\$7.50	\$150.00	\$22,500.00
Fuel	Gas & Propane	\$11.55	\$231.00	\$34,650.00
Labor	2 Man Crew @ \$17.50/ Hr. for 8 hours	\$14.00	\$280.00	\$42,000.00
Misc.	Breaks, Tools, Maint, Etc.	\$2.50	\$50.00	\$7,500.00
OVERHEAD				
Insurance	Workers Comp, Vehicles, General Liability, Etc.	\$12.50	\$250.00	\$37,500.00
Depreciation	IR/Hotbox: \$35,000.00 Vehicle: \$50,000.00 Compactor & Tools: \$5,500.00 Subtotal (Over 5 Years): \$90,500.00	\$6.25	\$125.00	\$18,750.00
Total Cost	Expenses + Overhead	\$54.30	\$1,086.00	\$162,900.00
Profit	Revenue - Total Cost	\$145.70	\$2,914.00	\$437,100.00

*This chart takes some national averages like labor, fuel cost, material cost, etc. please feel free to input your organizations actual cost for more accurate calculations

INFRARED REPAIR BENEFITS

REPAIR LONGEVITY



Infrared creates a thermal bond between the repair area and surrounding pavement. This reduces the likelihood of water penetration causing premature failure.

REDUCED TIME & LABOR



Infrared is 1/3 the cost and labor as traditional repair methods, creating higher profit margins and more time to take on additional work.

GREEN TECHNOLOGY



Infrared repair uses 1/3 the carbon footprint as traditional repair methods.

INFRARED ASPHALT RECYCLERS

STANDARD FEATURES

- Independent Heating Zones
- Automatic Pilot Ignition
- Ceramic Heating Element
- Heat Cycling Technology

LB 2-16

The LB 2-16 is an entry level IR unit and ideal for limited access areas such as walking trails, golf course paths, etc.



Dimensions	72" x 53" x 52"
Heating Area	16 Sq. Ft. 4' x 4'
Heating Zones	(2) 2' x 4'
Weight	275lbs.
BTU's	225,000

**Specifications Subject to Change Without Notice*

KM 2-18X

The KM 2-18X is one of KM's most popular IR units and is a favorite of pavers because of its longitudinal footprint. The KM 2-18X can also be easily mounted on the front of a KM 8000T Hotbox Trailer.



Dimensions	86" x 59.5" x 37"
Heating Area	22.75 Sq. Ft. 3.5' x 6.5'
Heating Zones	(2) 3.5' x 3.25'
Weight	410lbs..
BTU's	300,000

**Specifications Subject to Change Without Notice*





KM 4-40

The KM 4-40 is KM's flagship IR unit and perfect for those looking to add infrared repair services as a full time service offering. The KM 4-40 is a self trailering unit for easy transport.



Dimensions	116" x 90" x 42
Heating Area	40 Sq. Ft. 5' x 8'
Heating Zones	(2) 2' x 4' (2) 3' x 4'
Weight	810lbs.
BTU's	700,000

**Specifications Subject to Change Without Notice*

KM 4-48

Similar to the 4-40, the KM 4-48 is a ideal unit for those looking to add infrared repair to their companies list of services. The KM 4-48 gives you that extra couple square feet to take on any repair job you come across.



Dimensions	116" x 90" x 42"
Heating Area	48 Sq. Ft. 6' x 8'
Heating Zones	(2) 2' x 4' (2) 4' x 4'
Weight	860lbs.
BTU's	840,000

**Specifications Subject to Change Without Notice*

INFRARED REPAIR MUST HAVES

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- Asphalt Hotbox
- Broom or Blower
- Rejuvenator
- Plate Compactor or Roller
- Rake
- Lute
- Shovel
- Extra Propane Cylinders





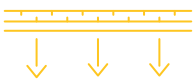
WHAT SETS KM INFRARED MACHINES APART

Heat Cycling Technology



All KM infrareds run on an automatic 10 minute heating cycle in which the machines heat for 45 seconds and temporarily pauses heating for 15 seconds. This cycled heating allows the heat to penetrate into the asphalt without the chance of scorching the top layer. It also allows for a more efficient use of BTU's and reduces propane consumption of the machine.

Ceramic Heating Element



KM utilizes a 1.5" ceramic "blanket" as the heating medium on all our infrared units. The "blanket" allows for an even and consistent heat throughout the entire repair area. Other manufacturers use heat tubes which will leave cold spots every 2-3" of the repair area, making it more difficult to work.

Automatic Pilot Ignition



As a safety feature and convenience to the machines operator all KM infrared units are equipped with an automatic push button ignition located on the operators panel. The user simply has to turn the propane on, select the heating zones and depress the ignition button.

Independent Heating Zones



Each KM infrared unit is equipped with multiple independent heating zones allowing users to individually select their desired heating area based on the size and configuration of the repair area.



COMMON INFRARED USES




AND MUCH MORE!

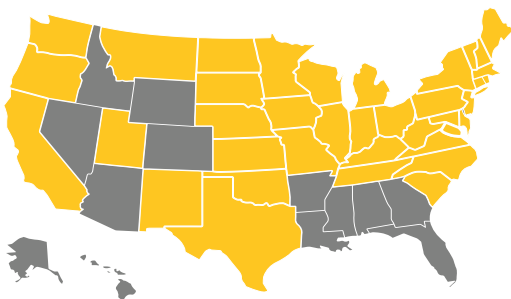


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KM International products can be purchased from any of KM's 19 distributors across 37 states and 8 Canadian provinces. Don't see a distributor in your state? No problem! Just contact KM directly and we will be glad to assist.

YOUR LOCAL DISTRIBUTOR IS: