

# Ray-Tech Infrared Mini Tech

**The perfect machine for parking  
lots, driveways and more!**

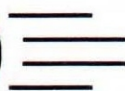
The Mini Tech our walk behind  
model that features a 42”L x 48”W  
infrared heating chamber.

The infrared heating chamber is  
positioned over the asphalt surface  
and uses infrared light rays to heat  
the asphalt. Once heated, the asphalt  
can be raked around and luted.



Infrared repair is more effective  
than other methods because it does  
not leave a seam where the repaired  
surface meets the old surface. This  
prevents water and dirt from  
gathering in the joints and ruining  
the repair.

The Mini Tech is available with  
other chamber sizes and the  
chambers are interchangeable to  
give you more flexibility on jobsites!



**Ray-Tech Infrared Corp.**

*Manufacturer of Infrared Road Maintenance Equipment*

[www.raytechinfrared.com](http://www.raytechinfrared.com) • 1-800-884-2072

**At Ray-Tech Infrared we take pride in building the most efficient and user-friendly infrared road maintenance equipment available!**

**Operating Principle**

- The infrared is created by premixed gas and air delivered under pressure by one (1) heavy duty 115V or 24V (see “Available Options”) blower motor to converters. *Infrared does not flame or alter the binding characteristics of asphalt.*
- The heating chamber consists of three high efficiency and long- life stainless steel converters.
- Converters consist of a stainless manifold with a Ray-Tech exclusive welded ribbon style orifice covered by a nickel-alloy perforated grid that, when heated, produces infrared light waves.
- Average chamber temperature: 1875°F**

**Fuel**

Propane gas (vapor withdrawal) is supplied from two (2) 30 lb. cylinders (both included).

**Power**

- 115V System: A male plug is included on the 115V system. Power can be provided by either a generator (not included) or a nearby 115V outlet via an extension cord.
- 24V System: The 24V system is self-contained with two 12V batteries wired together for 24V operation. A weatherproof male plug and battery charger is included for charging the system overnight with a 115V outlet and extension cord.

**Fuel Delivery**

The chamber is fed propane gas (vapor withdrawal) from two (2) 30 lb. cylinders connected to high pressure gas hose. Pressure is reduced

to 11" water column by a 2 stage regulator. Gas passes through a solenoid valve and is controlled by a limiting orifice valve. High pressure gas hose then connects to the heavy duty 115V blower motor or the heavy duty 24V *long life* brushless blower motor.



**Construction**

Frame constructed of 1"x 2" tubular steel. Front of frame designed to engage in mounting stirrups (optional) on rear of carrying vehicle. Two (2) 10" heat resistant (450°F) wheels. Gas cylinder compartment constructed of 3/16" x 1½" angle iron and ¼" x 2" flat steel. Control box is of 14-gauge steel.

**Reflector Chamber**

Vented and reinforced 16 gauge stainless steel 48" x 42". Support structure, manifolds and all components are stainless steel. Optional chambers in a variety of sizes are available (see options).

**Dimensions – Standard Mini Tech**

Overall Length (Traveling)	82"
Overall Length (Working)	109"
Overall Width	48"
Overall Height	39"
Chamber Length	42"
Chamber Width	48"
Weight Empty	450 lbs.

**Maximum Fuel Usage**

- Entire 42" x 48" chamber consumes approximately 9.9lbs (2.4 gals.) per hour.

**Dimensions – Mini Tech Xtend**

Overall Length (Traveling)	82"
Overall Length (Working)	109"
Overall Width	78"
Overall Height	39"
Chamber Length	42"
Chamber Width	78"
Weight Empty	600 lbs.

**Dimensions – Mini Tech Joint Short**

Overall Length (Traveling)	109"
Overall Length (Working)	136"
Overall Width	45"
Overall Height	39"
Chamber Length	78"
Chamber Width	15"

**Dimensions – Mini Tech Joint Long**

Overall Length (Traveling)	148"
Overall Length (Working)	175"
Overall Width	45"
Overall Height	39"
Chamber Length	118"
Chamber Width	15"

**Available Options**

- 24V Operation
- Winch Assembly
- Carrying Vehicle Attachment Assembly
- Front Wheel Assembly (Standard on 48" x 42" model)
- Aluminum Wind Guards
- Other Chamber Configurations: (See Above Dimensions)

**Performance Specification:**

**Infrared Heating Chamber:** The asphalt surface will reach a 220°F minimum temperature at 2" depth, with 400°F maximum temperature at the surface within 6 to 8 minutes

**Contact us today to learn more!**