

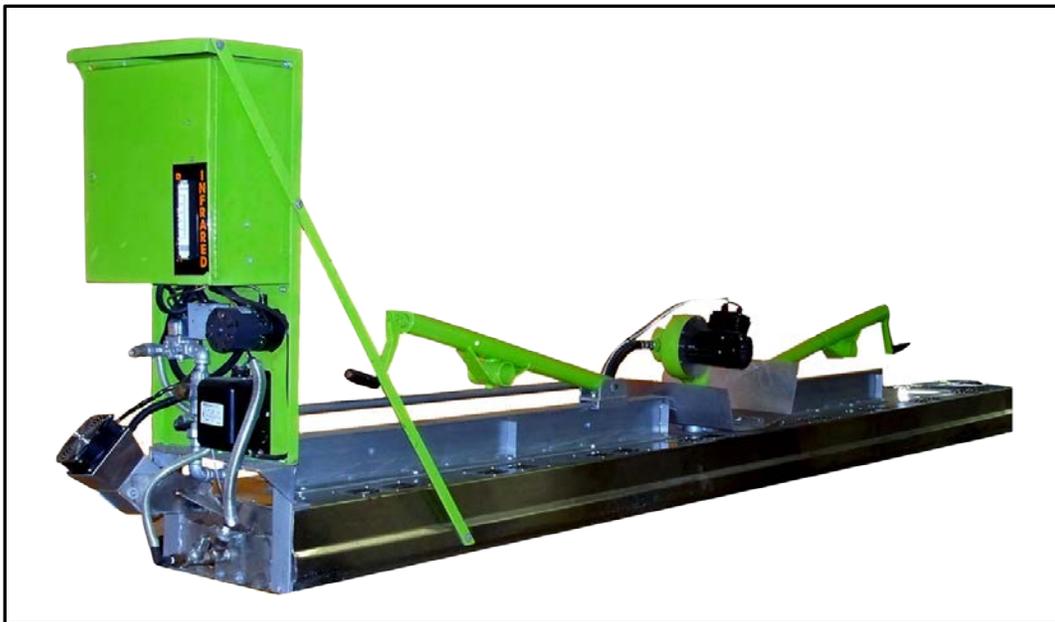
Ray-Tech Infrared Joint Heater – Paver Mount

Eliminate joint failure and significantly increase density!

The Paver Mount Heater attaches to either side of the paver with the included brackets.

This unit features automatic heat controls to allow for deep penetration heating while not burning the asphalt.

Designed for ease of operation, this machine provides consistently reliable results!



- Attaches to virtually any paver
- Fuel efficient and easy to operate
- Fully automatic temperature controls
- Match or exceed density requirements
- Low maintenance, proven reliability
- Infrared heats evenly without burning
- Create seamless, permanent joints
- Adjustable to any paving speed



Ray-Tech Infrared Corp.

Manufacturer of Infrared Road Maintenance Equipment

www.raytechinfrared.com • 1-800-884-2072

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

EQUIPMENT DESCRIPTION

The Paver Mount Joint Heater was designed to provide a blast of infrared heat prior to the paver laying down the next pass.

Longitudinal joints in new paving projects have always been a problem in the industry. They often do not meet density requirements that the local governing body has set and they also often fail due to dirt and water working its way into the seams.

By using a Paver Mount, the contractor is able to pave one pass and then heat it prior to making the next pass. This rapidly increases the temperature of the first material put down so that it can come close to or meet the temperature of the next material to be paved. Once compacted, the joint will then compress much easier and the joint will therefore be denser.

The system is designed to be fully automatic to control temperature and avoid overheating and burning. By itself, the paver mount is very effective and can be enough to meet or exceed the paving density requirements.

If this unit is not enough alone, however, we also manufacture a Joint Heater Preheater model that can be towed ahead of the paver. Using a Preheater in conjunction with a Paver Mount will give you additional heat and may be enough to make the difference.

INFRARED HEATER

The infrared is created by premixed gas and air delivered under pressure

by a heavy duty 115 Volt blower motor to converters. *Infrared does not flame or alter the binding characteristics of asphalt.*

The heating system consists of a 15"W x 144"L stainless steel chamber and one row of long-life stainless steel converters.

FUEL DELIVERY & USAGE

The chamber is fed propane gas (vapor withdrawal only) from a series of six 30 LB cylinders located in a separate tank rack.

Fuel is delivered via high pressure gas hose through a strainer to a regulator where the pressure is then reduced to 11" water column. It then feeds through a solenoid safety valve to a limiting orifice that will determine the amount fed to the motor.

The maximum fuel usage of this unit is approximately 13.1 lbs (3.1 gals.) per hour.

OPERATING CONTROLS

The operating controls consist of a three way switch with the following options: OFF, AUTOMATIC and MANUAL OVERRIDE. The MANUAL OVERRIDE position allows the unit to run continuously while the AUTOMATIC position keeps the heater on as long as the asphalt temperature stays below the temperature sensing settings.

The heaters incorporate a fail-safe ignition system, which turns off the gas flow to the heater if proper ignition is not detected. An infrared optical sensor insures accurate temperature control with a minimum of maintenance.

CONVERTERS

The chamber is fitted with four 36" converters that are constructed of

16-gauge stainless steel for long production life. The nickel alloy grids that produce the infrared rays are located in the center of the converters. These rays are directed to the pavement through the use of stainless steel reflectors.

ATTACHMENT

The heater has two manual jacks mounted on top. These jacks are designed to accommodate brackets that are included with this unit. Once the brackets are mounted on the side of the paver, the jacks will slide onto the brackets.

HEIGHT ADJUSTMENT

The height is very easily adjusted by raising or lowering the manual jacks to the desired position.

POWER REQUIREMENTS

This unit requires a 115V power supply which means it can be powered by most pavers themselves. If not, a 115V generator mounted on the paver would suffice.

DIMENSIONS

- Length: 13' – 6"
- Width: 21"
- Height: 38"
- Weight: 395 lbs.

The use of a Paver Mount Heater could improve virtually any job by increasing joint density and eliminating joint failure.

It is ideal for matching or exceeding density requirements on specific projects and could mean the difference between paying penalties and receiving bonuses!

Contact us today to learn more!