

The HDE Rubber Tire Roller Heater was developed to prevent pick-up during rolling operations. The tires are heated with HDE patented infrared heaters. To eliminate overheating of the tires the system monitors the temperature of the front and rear tires using an infrared sensor that is displayed in the operator control console. The system is programmed to start up and shut down at a pre-set temperature. There is a secondary alarm that will notify the operator if the tires become too hot or cold. The ideal operating temperatures are between 95 degrees C and 115 degrees C. Each heater has its own ignition system with a safeguard that will automatically shut down the system in the event that the heater goes out or does not ignite. An optional third infrared sensor will measure the temperature of the asphalt mat and can provide feedback to the operator for effective compaction time and for documentation.

Each heater is ignited by spark ignition. The built in flame-out protection will automatically shut the heater off in the event of a heater failure. The inline excess flow valve will cut the flow of propane in case of a hose rupture.

- INFRARED HEATER NOT CONVECTION TO HEAT THE TIRE
- MAINTAIN CONSISTENT TIRE TEMPERATURE
- ELIMINATE TIRE PICK UP
- REDUCE TIRE WARM UP TIME IN COLD WEATHER
- MONITOR MAT TEMPERATURE



100 % INFRARED HEAT

HDE'S patented ceramic/stainless steel composite heating cartridge will provide intense heat to the tire without any open flame. The heat can be adjusted by the regulator depending on the ambient temperature.



INTELLIGENT CONTROL STATION

The HDE Intelligent Control Station has the ability to measure the temperature of each heater and the temperature of the road surface using infrared thermo-couplers. The digital display will notify the operator of any electrical failure or heater failure.



PROPANE SAFETY

Each heater is ignited by spark ignition. The built in flame out protection will shut the heater off in the event of a heater failure or when there is no heat present. The inline excess flow valve will cut the flow of propane in case of hose rupture.

