

Evolution !!

A lot of changes since 1978



Art Leafdale 1978



Wayne King 1988



Building high quality products since 1978

Thermo-Lay
HOT ASPHALT AND SANDING MACHINE
Designed to WORK -- Built to LAST

Thermo-Lay

HOT ASPHALT AND SANDING MACHINE



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The Thermo-Lay Hot Asphalt and Sanding Machine was designed to take all of necessary components needed for asphalt repair and integrate them into a single truck, operated by a two man crew. The 1978 model had a hopper heated by cut-back tack oil. The current Thermo-Lay has evolved into a unique state-of-the-art machine. This machine carries 5 cubic yards of either hot-mix or cold mix, can carry 120 gallons of tack oil, includes a hydraulic operated jack hammer, carries a gasoline driven vibratory roller compactor, and includes all the necessary traffic lighting and signaling. These features are found on a short, single 120□cab-to-axle truck chassis with a 12,000# front axle, 21,000# air suspension rear axle, to form a legal payload of 6 tons.



The Thermo-Lay uses maintenance free solenoid hydraulic valves which allow the switches to be located at the rear of the machine and in the cab as well. The solenoid hydraulic valves also have manual overrides in case of a loss of electricity. The automatic shifting 2 speed motor provides outstanding delivery and can unload the entire 5 cubic yards in less than 5 minutes. Moving the roller lift from the left rear of the machine to the area between the cab and body, not only transferred a substantial weight off of the rear axle, but also freed up valuable space at the rear which gives the delivery chute a complete 180 degree movement at the rear. With an optional chute extension, delivery can be made to either drivers or passengers curbside, for repair of new curb construction. For rakes, brooms and shovels, a rear mounted tool rack holds 4 tools. An 8 gallon auxillary water container is also rear mounted, for supplying additional water to the roller compactor.



180 degree Pivotal Asphalt Chute delivers asphalt to the entire rear of the truck and both sides

Safety and ease of operation have always been a top priority in the design of the Thermo-Lay. Safety features include automatic extinguishing of the propane burner when any fluid pump is activated, making it impossible to spray any fluid on the propane burner. The new hopper cleaning system coats the entire inside surface of the hopper with the flip of switch at ground level, eliminating the need for the operator to climb up upon the hopper prior to loading the heated asphalt. The new roller lift has an alarm that continuously sounds while the lift is being raised or lowered and the amber strobe mounted on the lift warns operators and passing traffic that the lift is being loaded or unloaded. The arrowboard and light bar are raised 36□vertically, allowing the operators to set both warning and signaling from inside the cab, before stepping out of the truck. Unlike any other heated asphalt machine, the Thermo-Lay has a built-in 34 gallon propane tank that cannot come loose, fall off the truck, become stolen, or be subjected to damage during a side impact collision. Plus, the propane tank can easily be monitored and filled from ground level.

The Thermo-Lay asphalt hopper is heated by heat transfer oil. The heat transfer oil is heated by a 350,000 BTU propane burner during working hours and then kept to a desired temperature at night by a 9 KW electric heater. The Intelli-Temp timed heating system allows the operator to select a daytime temperature, daytime start time, nighttime temperature, and nighttime start time. The Intelli-Temp system automatically lowers the heat transfer oil temperature to the desired nighttime heat using the electric heater and the automatically adjusts to the desired daytime temperature using the propane burner and electric heater at the desired, pre-set time. Weekends may be controlled as nighttime temperature or shut down completely, with automatic early Monday morning start-up.