

**THERMOPRESS**



### **Thermopress EHP 73**

Mat Repair Presses were re-modelled from 1st February 2005. formerly known as HP7AS1

**THIS MACHINE CARRIES A TWO (2) YEAR LIMITED WARRANTY FROM THE DATE OF SHIPMENT.**

**ALL MACHINES ARE SERIAL NUMBERED, AND DESPATCH DATES, AGE OF THE UNITS, AND WHO IT WAS ORINALLY SHIPPED TO CAN BE TRACED BY THIS SERIAL NUMBER.**

**WITHOUT A SERIAL NUMBER ANY LIMITED WARRANTY BECOMES VOID.**

ALTERING THIS MACHINE IN ANY WAY OR USING REPLACEMENT PARTS OTHER THAN THOSE SUPPLIED BY THE ORIGINAL FACTORY WILL ALSO VOID ANY WARRANTIES OR CLAIMS OF ANY TYPE.

Parts not covered by the warranty are wearable parts i.e. thermostats (long stem), limit control stats (short Stem), Teflon iron shield, Teflon base cover, and the silicone rubber base under the Teflon base cover.

### **THERMOPRESS MODEL: EHP 73**

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**To unpack this machine** Unscrew top and one side of crate. The wooden brackets either side of the sliding head are best removed **after** the machine has been lifted onto the strong table on which it will be used. The wooden brackets are each held in place by one bolt/nut that stops the sliding head from moving in transit.

**To connect this machine** an airline will be found within the crate, this or any other suitable flexible airline should be connected to the air inlet pipe at the rear of the machine just above the power cable entry. Air **must** be flowing into the machine **before** power is connected. A safety device on the air valve will cut off power if air is not flowing into the machine. The three-pin plug should be connected to mains voltage 240V.

## Set Up For MAT REPAIR

**Machine operation** pre-set at the factory with both air pressure and temperature, both of which are adjustable if required by the user. Air Pressure is pre-set for 80psi the input airline pressure **must not exceed 120psi**. With air flowing into the machine check that the pressure gauge needle settles at 80psi. To adjust the pressure, **pull** the black knob out; turn anti-clockwise to reduce pressure, clockwise to increase pressure. **Push** the black knob in to lock in position.

The temperature gauge is on the front of the iron/guard.

Connect the three-pin plug to a mains supply (240V) and turn on. ON the right hand side of the front control panel are 2 circular lights under which there is a rectangle light/switch. Push the switch **up** and that will light up to indicate that power is on. At the same time the left side light will also light up to indicate that the machine has started to heat up. Once the temperature reaches 150°C the right side light will light up. This machine is fitted with a “fail-safe” device (limit control) which prevents it from operating until the pre-set temperature 150°C has been reached (also adjustable as described below). The pre-set maximum temperature is 180-185°C. Once this has been reached the thermostat cuts out, temperature will drop to around 175°C before the thermostat cuts back in. The average operating temperature is therefore 180°C

The fitted timer is set in minutes, for mat repair the ideal setting is approximately 5/6 minutes – consult suppliers of the repair materials to confirm this.

At **each side** of the control box there is a push button. Once the machine has reached working conditions, the operator pushes **both of these** buttons simultaneously; this activates the machine while ensuring the operator cannot accidentally have his/her hand under the heated iron. **THE MACHINE OPERATOR MUST ENSURE THAT NO ONE HAS HIS OR HER HANDS IN THE REGION OF THE IRON AT THE TIME HE/SHE ACTIVATED THE MACHINE.**

At the end of the pre-set time the heated head will retract causing the machine to exhaust the air within it.

On top of the machine is a RED quick release knob. Pressing this overrides the activation of the machine causing the heated head to retract and disables the machine from further use **until** the RED knob is pressed once more which then allows the operator to continue. This is a safety feature, but it also allows the operator to stop the repair process if the repair patch should move just prior to the iron locks into place, thus allowing the patch to be repositioned before the machine is activated again.

### NOTE:

*Sometimes, when these machines are activated first thing after sometime of inactivity, air can appear to leak out of the exhaust pipe at the rear of the control box. If that happens and as long as the pressure gauge is showing between 60 – 80 psi continue*

*to use the machine as normal and the exhaust “leak” will stop after a few actuations. This will not effect the performance of the machine or mat repair being carried out.*

### **Machine setting adjustments**

Adjusting the **pressure** has already been described on the first page.

**Timer** adjustment only needs the knob on the timer to be turned to the required setting.

**Temperature** adjustment – on the heated iron is an aluminium box out of which protrudes the top of the heat thermostat. With a screwdriver inserted into the slot of the knurled knob turn clockwise to increase maximum temperature or anti-clockwise to reduce maximum temperature.

**Temperature Limit Control**- prevents the machine from working until 150°c has been reached. This prevents anyone trying to repair mats at too low a temperature in the event that the heat thermostat fails while the machine is in use. To adjust this limit control – remove the top off the aluminium top off the box on top of the iron. Inside there are 2 similar looking thermostats. The long stem stat on the right is the heat control. On the left is the short stem stat which **is the Limit Control**. Turning the short knob anticlockwise reduces the pre-set limit temperature. Turning the knob clockwise increases the pre-set limit temperature; it is not until this pre-set temperature is reached that the third (right side) light on the front of the machine comes on. and allows the machine to be used. After adjustments **always replace the box top and screw into place.**

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**ALWAYS ENSURE THAT AT THE END OF THE DAY OR SHIFT THAT THE ON/OFF SWITCH IS SET TO OFF** (all lights out) thus allowing the machine to cool off.

Airline pressure can be left on if required.



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