

Heavy Duty Heat Sealers

Heavy Duty Heat Sealers are suitable for use with polythene sheet and other materials. Sealing is achieved by the simultaneous application of heat and pressure, which are both controlled automatically once the bag or sack has been presented to the sealing bars. Heat is generated by using the 'impulse' principle thus the bars are only energised when they are used for sealing.

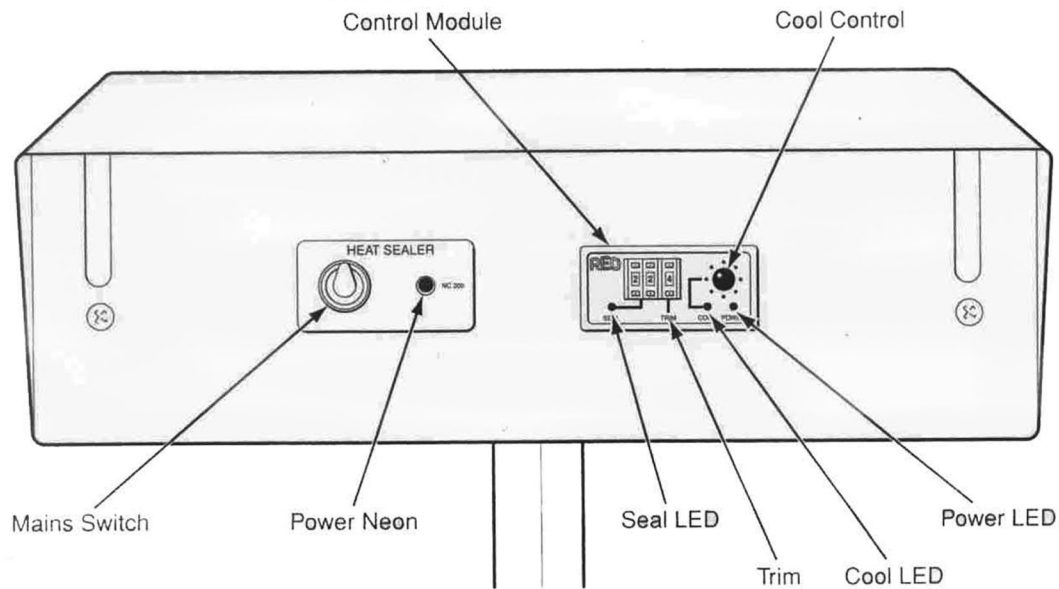


In the front panel there is an electronic module which can be set, accurately, for different types of materials and sizes. The heating time is selected by using decade switches and the cooling time is adjusted with a rotary potentiometer. There is a trim control which is used to prevent excessive heat build-up when the jaws are operated frequently. Solenoids are used to close the sealing bars and these operate with a two stage action, for safety. A pneumatic foot switch is provided so that the operator has both hands free for presenting the bags.

The unit is built from sheet and box section steel and is supplied complete with a floor stand, sack support, foot switch and mains cable. Versions are also available for bench top mounting and vacuum sealing.

- Automatic sealing bar operation
- Digital control setting
- Seals double thickness of 1000 gauge polythene
- Robust construction
- Simple to use and maintain
- Plug-in control module
- Wide range of bar lengths
- Heat compensation for repeatable seal quality
- Impulse sealing for most materials
- 230 V mains operated
- Low power usage
- Compact version also available
- Optional vacuum sealing attachment

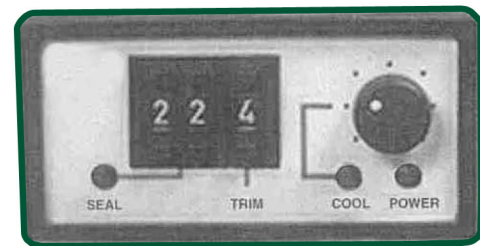
TYPICAL CONTROL PANEL



The Control Module

The first two digits control the impulse sealing time. The third digit determines the trim time which compensates for any possible heat build-up in the sealing jaws.

A potentiometer is used to adjust the cooling time ie. the time between sealing and when the bars are released.



Safety Features

The source of the heating current, through the sealing bars, is isolated from the mains supply and is a safe, low voltage. This ensures that the exposed element connections do not cause an operator hazard. The seal bars close immediately on operation of the foot switch but will only remain closed if the seal bars meet. If the operators fingers are left between the bars, the full pressure will not be exerted and the heating current will not be applied. The bars will open as soon as the foot switch is released.

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