



NEWS

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PORTABLE BATTERY POWERED HOT IRON REPAIRS DAMAGED COMPOSITE MATERIALS ON AIRCRAFT

Malcom Company Inc. DBA Malcom Technologies introduces the MCH-100-HM Portable Heavy Duty Battery Powered Hot Iron for Hot Melt applications in the field. The MCH-100-HM tool was originally developed for smoothing proprietary hot melt plugs into composite air plane wing and fuselage components. This portable tool can also be used for many other applications including soldering, curing, shrinking, bonding and pre-heating.

The MCH-100-HM runs on 48V DC 180 watts and can reach temperatures up to 900 degrees F. The tool features an internal thermocouple that protrudes into the brass tip that feeds back to a Watlow programmable temperature controller able to control temperatures precisely.

The temperature controller is programmable allowing the operator to set upper and lower temperatures, set alarms and adjust the temperatures as needed. The set and actual temperatures can be read through a EMI shielded window. The internal closed loop temperature control system is able to hold temperatures to within a few degrees of the set point.

The MCH-100-HM is designed and tested to military standards including EMI 461, Water Intrusion, Drop Test, Salt Fog, Explosive Atmosphere and is CE tested and marked. The control system is housed in a sealed heavy duty aluminum case for rugged field use.

The MCH-100-HM can be configured for various process heating applications by means of various brass tips that can be machined to the customers specifications. The MCH-100-HM tool can be used for a variety of applications including soldering, shrinking, curing, smoothing, hot-melt, bonding and pre-heating.

For more information fill out our on line contact us form or call 800-289-7505.

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