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Система оплавления горячих стержней AVHB



HOT BAR REFLOW SYSTEM FEATURES:

- High Reliability Joining – Because heating and cooling takes place while the pressure is being applied, the work position is not shifted during joining.
- Variable Temperature Profile – Because the heating is local and instantaneous, thermal impact to the peripheral components is restrained.
- High Reproducibility – Digital PID control enables good reproducibility of temperature and time. As a result, no skill of the operator is required
- Pb Free Compatible – Pb free solder is accommodated by setting to high temperature and long heating time
- User Interface – RS-232C&I/O is standard equipped, making the unit easy to be connected to external equipment such as incorporating into an automated system
- Ample Monitoring Functions – Temperature monitoring: Upper and lower limit (average, peak), Profile detection error: Over-heat, Thermocouple disconnection, etc
- Other Standard Functions – Number of stored settings: 15, Head vertical and cooling air control signal, Auxiliary thermocouple input, Counter function

Pulse heating is an instantaneous heating method. Electric current is released from the power supply and then applied to a heater tip. The heater tip heats up by resistance, and the heat then melts the solder. When the solder has melted, the current is turned off, and the solder is cooled. Once the solder has cooled completely, the heater tip raises up away from the workpiece.

This creates highly reliable joining without Solder Reflow applies and maintains pressure on the workpiece until the solder hardened. Constant pressure allows for the pieces to set before the head releases pressure.

We offer multiple pulse heat power supplies, various reflow heads, and many different heater tips. Contact us to further discuss your specific requirements.

Advantages of the hot bar pulse heat systems:

- This method is most suitable for reliable soldering and thermo-compression bonding because heating and cooling are done while applying pressure
- Good repeatability of heating temperature and time requires no skilled workers
- Partial heating in short time allows reducing thermal damages
- Great for working with lead-free soldering
- Check out our Thermal Compression Welding Page for Similar Welding options.

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