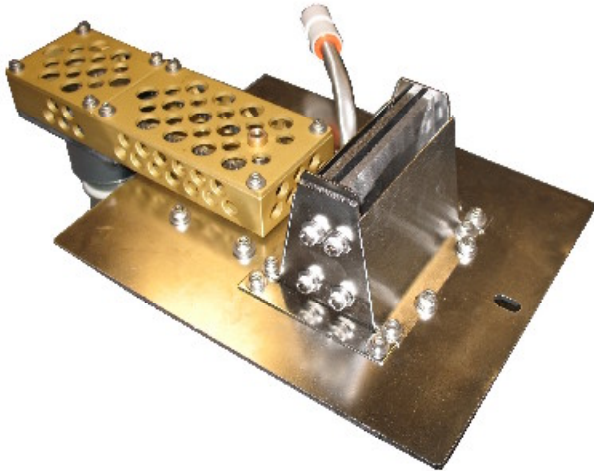


W-75mm Wave Nozzle

“Keep It Simple Soldering”



FEATURES:

- Provides a wide continuous application of molten solder with up to 6mm of free standing depth.
- Nitrogen inerted on both sides of the wave.
- Can be used in either direction (left to right or right to left).
- Control the travel speed (time/temp profile) unique to a given board, or vary it where additional soak time is required.
- Interchanges with the standard KISS pump assembly with a change over time less than 5 minutes.
- Creates top-side solder fillets to EIA and SMTA standards.
- Lead-Free alloy compatible.

DESCRIPTION:

This “wide” nozzles provide the process capability to use your KISS Selective Soldering Machine as a standard wave soldering machine. This is especially useful during the transition from lead to the lead-free alloys. You can use the W-75mm nozzle/pump assembly as an inexpensive alternative to upgrading an existing wave soldering machine with a lead-free solder pot or purchasing a new wave soldering machine. This nozzles/pump assembly is compatible with lead or lead-free alloys and fit into the existing KISS solder pots.

PROCESS OVERVIEW:

The solder wave in conjunction with the programmability of the KISSware operating system allows for the wave to emulate the traditional wave soldering process. Under program control the W-wave will contact and pass over the entire bottom side of any circuit board in 75 mm wide swaths. There is an inherent additional advantage of programming around obstacles you do not want to solder. The controlled motion of the KISS machine will incrementally move the W-wave in the X and Y axis until the entire board is soldered. After completing the cycle the pot returns to the start position ready for the next cycle.

APPLICATIONS:

Used to process any circuit boards that can be soldered on the traditional wave soldering manor.



**laminar solder flow
from both sides of
the wave:**

**Produces Class
111 solder joints:**

