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The Dual Nozzle Option: (for lead and lead-free alloys)

The dual nozzle feature brings significantly greater flexibility and efficiency to the selective soldering process. The dual nozzle feature allows two differently-sized nozzles to operate in tandem, each one individually programmable, to handle a wide range of component types and sizes on an individual PCB assembly during the selective soldering process.

Thanks to this feature, an individual board with differently-sized components can be processed in a single pass through the machine, rather than two or more if different-sized nozzles are needed to process a single board. The need to change nozzles amid process is eliminated, and both nozzles operate within a single soldering sequence program, for simpler and easier setup and operation.

For example, the new ACE dual nozzle feature allows the operator to process a small component using a 3 or 6mm nozzle, as well as a larger multi-row connector on the same PCB using a 12mm or 18mm nozzle, all with the same program, in a single pass, without manual nozzle changes.

Individually programmable, dual nozzles speed up the selective soldering process, cut down on handling, thermal cycling, and boosts efficiency.

Dual Solder Nozzle Pump Assembly:

“Compatible with Lead and Lead-free alloys”



Available for lead or lead-free alloys

The dual nozzle system uses all of the standard KISS “Bullet” and “Wave” nozzles that can be exchanged in seconds. Larger “Dynamic Wave”, “Flat Surface Wave” and special purpose “Mass Dip” nozzles for soldering multiple components in one vertical dip are available.

Each nozzle is independent and powered by it’s own programmable pump. This feature allows for the solder volume and wave height to be set specific to the nozzle used and your process

The new feature is not only available on all new KISS selective soldering machines, but is also retrofittable to most existing machines in the field for improved performance and flexibility.

Model KSPDN-L: for Pb alloy (all 316 S.S.)

Model KSPDN-T: for Sn alloy (all titanium)

Includes a full set of the KISS “Bullet “ nozzles