EZ-Flux

Ultrasonic Reciprocating Spray Fluxing System

The EZ-Flux is an economical ultrasonic spray fluxing system designed on a reciprocating platform. The ultrasonic atomization module uses a high Impact flux transfer system for maximizing top-side fills.

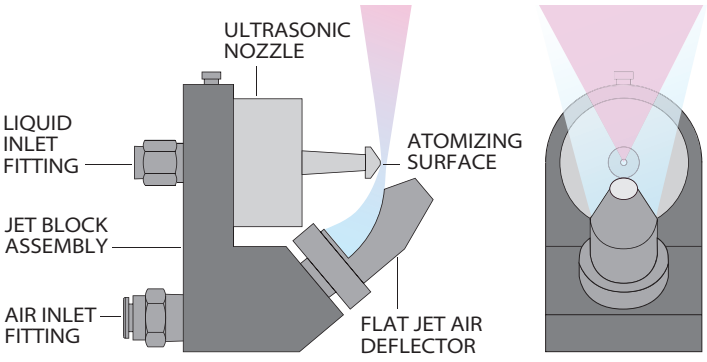
The EZ-Flux system has many integrated features:

- Economical reciprocating fluxer
- Easy integration and operation with all wave solder machines
- Non-clogging ultrasonic atomizing nozzle
- High velocity flux transfer for maximum top-side fill
- Low maintenance design reciprocator
- Uniform coverage
- Reduction in flux consumption up to 80%
- Compatibility with all fluxes (Rosin, no-clean, water soluble, VOC-free)

SYSTEM COMPONENTS

SONO•TEK Corporation ISO 9001:2000 CERTIFIED

Impact Ultrasonic Nozzle



The EZ-Flux system can either be installed internally in your wave solder machine or is available as a stand-alone unit.

The system is also equipped with a high Impact flux transfer system to help with PCBs that have difficulty with top-side fill, such as those with thick back planes, tight lead-to-hole ratios, or contaminated components.

INDUSTRY PROVEN - Sono-Tek spray fluxing systems with an non-clogging ultrasonic nozzle and spray dispensing mechanism have been proven in thousands of industrial PCB fluxing applications worldwide.

FLUX APPLICATION - Flux is supplied from a closed pressure reservoir to the ultrasonic nozzle. The flux reservoir includes a level sensor to alert the operator to a low level flux condition. The flux is atomized into a fine mist at the tip of the non-clogging, large-orifice ultrasonic nozzle which is reciprocated below the PCB, directing flux upward.

FASTEST PAYBACK - In many installations, Sono-Tek systems have a reduced flux consumption by up to 80% as well as reducing solder defects by a similar percentage. Compared to foam fluxing, additional savings are achieved by the elimination of thinner and titration checks, as well as reduced waste disposal costs. Sono-Tex systems have also been shown to reduce flux consumption by up to 50% when compared to conventional spray fluxers.

SERVICE AND SUPPORT - Sono-tek Corporation prides itself on offering technical support second to none. North American-based service personnel and international distributors with factory-trained technicians provide this high standard of service throughout the world.

EZ-FLUX SYSTEM SPECIFICATIONS

General Specifications

Fluxer Type	Reciprocating ultrasonic nozzle with high Impact flux transfer system
Construction	Stainless steel, titanium, Teflon®, polypropylene, Delrin®, Ertalyte® (flux wetted materials)
Storage Capability	20 recipes
Display	2 x 40 backlit character LCD
Flux Types	RMA, RA, Alcohol-based low solids, OA, VOC-free
PCB Width Range	2–18 inches (50-457 mm)
Flux Deposition Range	300-2500 µg/in^2
	(for typical no-clean fluxes)
Deposition Uniformity	±10%
Deposition Repeatability	±5%
Reciprocator speed	0 - 800 mm/sec
Conveyor Speed Range	0 - 250 cm/min (0 - 8.2 ft/min)

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Specifications may change without notice

Service Requirements

Line Power	110/120 VAC, 50/60 Hz or
	220/240 VAC, 50/60 Hz
	Single phase, 900 VA max
Compressed Air	Clean, dry and oil-free
Supply Pressure	50 - 100 psi
Capacity	6 cfm
Exhaust	300 cfm minimum,
	600 cfm recommended

Sono•Tek is one of the originators of spray fluxing technology. As the needs of the industry have changed, we have continued our commitment to leadership through state-of-the-art design and unsurpassed customer service.

SONO•TEK Corporation
industry's leader in spray fluxing

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