

FluxJet Precision Drop-Jet Dispenser

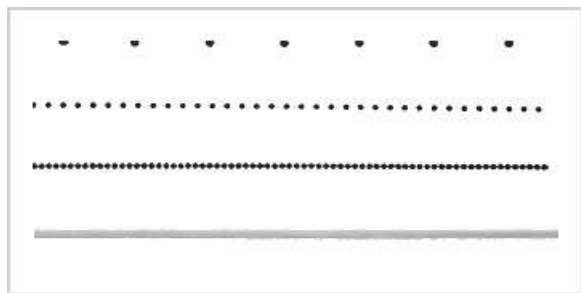
Enables No-Clean Processing and Minimizes Flux Residues

Features and Benefits

- Precise on-demand drop-jet application of flux to target locations without overspray
- Provides true no-clean processing since flux is mitigated by solder nozzle without flux residue or ionic contamination
- Compatible with alcohol-based, water-soluble or rosin-based flux chemistries up to 33% solids content or fluxes as low as 2.5 pH
- Modular design allows for easy servicing providing fully maintainable and serviceable production environment
- Ideal for micro flux deposition of flux to small solder sites with unparalleled accuracy and minimal flux consumption

Overview. The FluxJet Precision Drop-Jet Flux Dispenser is designed to control and dispense single drops of flux or a continuous flux pattern as small as 2 mm wide ideal for single terminations close to adjacent SMT components. The continuous deposition is perfect for fluxing headers, connector pins or other multi-pin through-hole components.

The SWAK-OS 4.0 software integrated with the FluxJet Precision Drop-Jet Flux Dispenser's electronic control module provides the necessary on/off and drop frequency control of the drop-jet.



Single flux drops or continuous pattern fluxing



Integrated Solution. The FluxJet Precision Drop-Jet Flux Dispenser fully integrates with closed-loop process controls embedded in Nordson SELECT's SWAK-OS 4.0 software providing seamless operation for your selective soldering process. Nordson SELECT's closed-loop process controls enable successful results for a full range of soldering applications and ensures stable and repeatable results for high-yield production.

Experience. With over a decade of selective soldering experience and more than a thousand systems currently in production, Nordson SELECT is committed to providing innovative solutions for all selective soldering needs. Our global support network, including state-of-the-art application development labs, provides customers with world-class know-how and application expertise.

FluxJet Precision Drop-Jet Dispenser

Compatible Flux Chemistries

Alcohol-based fluxes
Water-soluble fluxes
Rosin-based fluxes
High solids content fluxes
Low pH fluxes

Specifications

Nozzle orifice size:	130 µm standard
Practical drop size:	2-4 mm (adjustable)
Drop Frequency:	0-90 Hz
Practical deposition range from PCB:	12-55 mm
Max. solids content:	33%
Min. pH:	2.5

Application Note

The Nordson SELECT FluxJet Precision Drop-Jet Flux Dispenser is recommended for no-clean processing when printed circuit boards will not be cleaned after selective soldering.

The FluxJet Precision Drop-Jet Flux Dispenser can be integrated side-by-side with a standard atomizing spray flux applicator to create a dual fluxing system capable of both site-specific flux deposition and mass flux application.



Dual drop-jet and atomizing spray flux heads

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Published 2018-30-05

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