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.

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

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.

Single flux drops or continuous pattern fluxing

Micro flux deposition

Fully maintainable for easy servicing

Overview.

Integrated Solution.

Experience.

Features and Benefits.
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 flux heads, drop-jet and atomizing spray

Compatible with Novo® 102, 103, Cerno® 102IL, 103IL, 105IL, Integra® 103ILD and Flux & Preheat models