



# ASYMTEK Forte Series with Forte MAX

The Forte® Series and IntelliJet® compatible Forte MAX dual-valve jetting deliver exceptional fluid dispensing productivity and accuracy for high-volume printed circuit board assembly, flexible circuit, MEMs, and electromechanical consumer electronics applications. Next-generation and time-tested technologies are combined in the Forte's space-saving footprint to increase productivity by up to 50% over the top-selling Spectrum® II.

Nordson Electronics Solutions builds the future of electronics reliability all across the globe. We're proud of the decades of service and solutions we've provided to enhance electronics reliability. No matter where you are, you've likely manufactured or purchased a product made reliable with our equipment.

The Forte Series is built to last and provides cutting-edge capabilities continuing a time-honored tradition.





## Accelerate with Forte Series

- The Forte Series supports vital consumer electronics applications, including precise coating, underfill, dam and fill encapsulation, printed circuit board assembly, flexible circuit assembly, EMA, and MEMs.
- Modern and intuitive Canvas<sup>®</sup> dispensing software provides simplified programming; process control, monitoring, and simulation; data insights; and on and offline programming.
- IntelliJet<sup>®</sup> ready Forte MAX dual-valve jetting
- Shifted parts won't slow you down. The Forte MAX dual-valve system is equipped with patented\* real-time correction to automatically adjust for skewed parts and component height variation in the x, y, and z-axis.
- Dispense a single fluid type from two identical valves with dual-simultaneous dispensing.
- Dispense two fluid types from two separate valves with dual-action dispensing.
- A standard integrated dual-valve service station, patented\* closed-loop process controls, and nozzle cleaning rail reduce operator maintenance and intervention.

\*Nordson US Patents 9,707,584; 10,150,131; 10,737,286 and other patents pending.

## High-Volume Fluid Dispensing

Visually intuitive, efficient  
Canvas dispensing software  
with convenient access to  
critical process data.



Single-valve or Forte  
MAX dual-valve  
jetting with blazing  
top-of-the-line 1.5 g  
acceleration to tackle  
point-to-point moves.

Improved cost-of-  
ownership, equivalent  
or better accuracy,  
and 20-50% higher  
productivity (single  
to dual-valve range)  
over the top-selling  
Spectrum II.

A space-saving footprint  
preserves valuable production  
floor space.

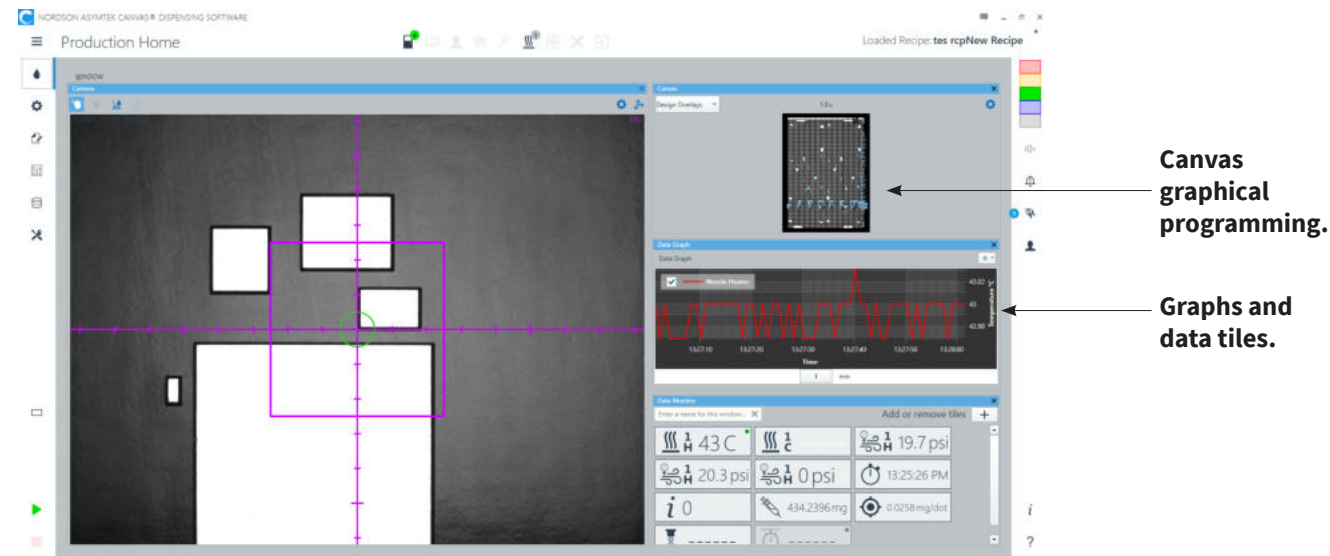


# Canvas Software

## Effortless Programming and Insight

Canvas fluid dispensing software simplifies programming tasks and provides insight and control over your process.

- **Graphical programming** – scan a workpiece and simulate dispensing results on a virtual canvas.
- **Guided wizards** – with easy step-by-step setup instructions.
- **Quick-reference graphing and data tiles** – for efficient access to system sensors, process controls, and data.
- **Offline programming** – to avoid production downtime.



1

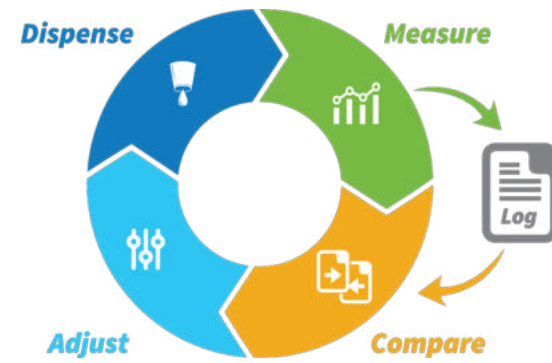
Scan a workpiece.

2

Create a recipe.

3

Simulate results.



Simultaneous dual-valve dispensing with the IntelliJet Jetting System improves yield and reduces production costs.

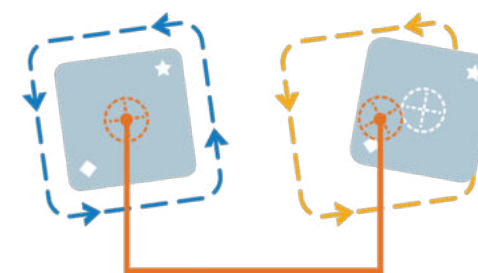
Dual valves adjust to dispense successfully when the distance between parts varies (irregular device pitch) or when parts are skewed or rotated in a carrier (individual part skew).

**Real-time correction addresses:**

1. Global workpiece skew.
2. Individual part skew.
3. Translation.

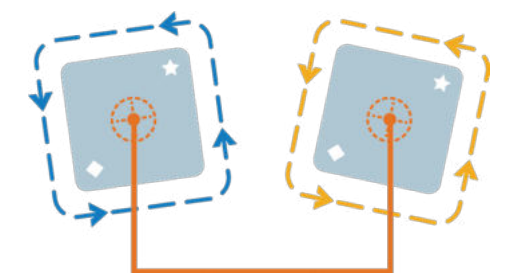
**Forte MAX dual-valve dispensing with patented real-time correction for better yield.** Forte MAX lets you run two high-frequency IntelliJet Jetting Systems simultaneously for applications with multi-up, panelized, or patterned parts with consistent spacing. Or, dispense two different fluids to the same part from two different valves – an excellent option for dam and fill encapsulation and high-mix production environments.

Before



Early fixed-pitch, dual-valve designs could not adjust for individual part-to-part skew, negatively impacting yield.

With Real-Time Correction



Forte MAX dual-valve with patented\* real-time correction automatically adjusts for individual part skew and height variation in the x, y, and z-axis to avoid impact to yield.

\*Nordson US Patents 9,707,584; 10,150,131; 10,737,286 and other patents pending.

# The Best in the Business

Who you buy from can be just as important as what you buy. At Nordson Electronics Solutions, performance, quality, and service come first. We expect more from ourselves than our customers do, so you can count on us to be there whenever you need support.

# Since 1954



# We Rise Above the Competition

Regional, in-person, or remote service and support

Convenient access to spares

Training opportunities

Applications engineering support

“Our engineering teams design and build equipment that provides great value to our customers. These talented teams use state-of-the-art design methods and tools, including best-in-class reliability modeling and test equipment. We know that we are only successful when our customers are successful.”  
— Alan Lewis, Senior Manager Technology Pathfinding.

## Why Nordson Electronics Solutions?

We've earned the confidence of the world's largest electronics manufacturers. Let us help you succeed.

Discover how our Forte Series solutions and outstanding global application support can optimize your process.

For more information, visit our website to find your local regional office or representative. We have several global locations to serve you.

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Asia Pacific  
EMEA

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Published March 2023

  
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