

PICO XP Jetting System

Extremely Precise (XP), Repeatable Micro-Dispensing



PICO XP jetting systems provide extreme precision and repeatability at up to 1000Hz continuous.

The PICO *Pulse*[®] XP jet valve and PICO[®] *Touch*[™] XP controller bring extreme precision and repeatability to the next level with a unique self-regulating calibration for improved valve-to-valve jetting performance.

It controls for the slightest variation in fluid body tolerances to maintain optimal jetting results, even after maintenance. Sustained stroke target seeking allows the system to produce a stable deposit weight, even when environmental conditions change.

This minimizes production downtime needed to recalibrate the jetting system, for example, when ambient temperatures rise or fall.

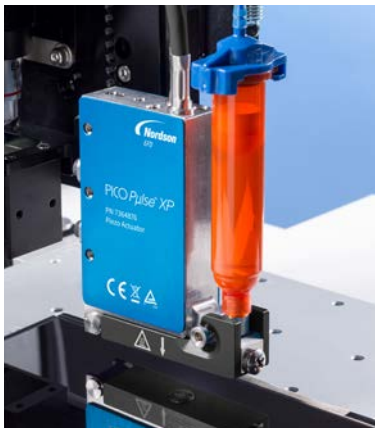
Achieve micro-deposits as small as 0.5 nL with extreme precision and repeatability at up to 1000Hz continuous for your most sophisticated non-contact dispensing application needs.

Features

- XP self-regulating calibration
- Sustained stroke target seeking
- Micron (µm) level stroke adjustment
- Touchscreen interface with intuitive programming software
- Tool-free fluid body removal for simplified cleaning of fluid path

Benefits

- Improve valve-to-valve dispensing repeatability and repeatability after maintenance
- Maintain dispensing repeatability regardless of environmental conditions
- Fine-tune jetting performance for a wide range of applications
- Easier setup and programming at the point of dispense



PICO *Pulse* XP self-adjusts to maintain repeatable performance regardless of external factors.



PICO *Touch* XP provides more adjustable parameters to fine-tune dispensing performance.

| Part # | Description |
|---------|---------------------------------|
| 7364876 | PICO <i>Pulse</i> XP jet valve |
| 7364877 | PICO <i>Touch</i> XP controller |



more info



PICO *Pulse* XP Jet Valve Specifications

| Item | Product |
|------------------------|---|
| Size | 22.0w x 120.0H x 75.0L mm (0.87w x 4.72H x 2.92L") |
| Weight | With cable: 524.0 g (18.5 oz) Without cable: 362.0 g (12.8 oz) |
| Maximum fluid pressure | 35 bar (500 psi) |
| Fluid inlet | M5 |
| Mounting | M4 x 0.7 |
| Fluid body | 303 stainless steel or PEEK* |
| Ball-and-seat | Ceramic |
| Heater body | Aluminum |
| Tip adapter kits | 303 stainless steel |
| Approvals | CE, UKCA, WEEE, TUV |
| Warranty | 1 year, limited |

All stainless steel parts are passivated.

* Polyetheretherketone

PICO *Touch* XP Controller Specifications

| Item | Product |
|----------------------------------|---|
| Cabinet size | 14.2w x 13.3h x 16.8d cm (28 Hp x 3U) (5.59w x 5.25h x 6.61d") |
| Weight | 2.6 kg (5.5 lb) |
| Time range | 100 μ s to 9.9999 s |
| Input AC (to power supply) | 100–240 VAC, 2.0 Amp, 50/60Hz |
| Output DC (from power supply) | 24 VDC, 6.25 Amp |
| Heater output voltage | 24 VDC, 30 W maximum |
| Feedback circuit | 0–24 VDC |
| Cycle initiate | 15–24 VDC |
| Approvals | CE, UKCA, TUV, RoHS, WEEE, China RoHS |
| Warranty | 1 year, limited |

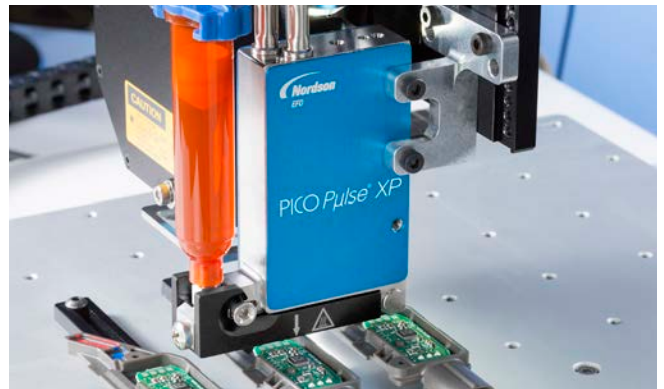
Request a Process Evaluation

Contact Nordson EFD to configure a precision dispense system that meets your specific needs, with:

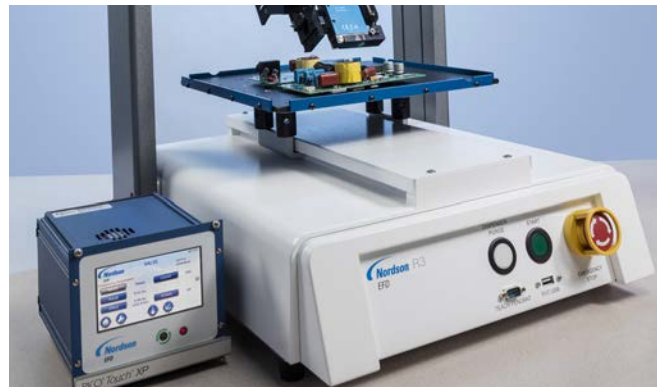
- A complimentary process evaluation by experienced fluid dispensing experts.
- Samples processed for customer evaluation and approval prior to purchase.

Automated Dispensing Systems

Nordson EFD automated dispensing systems deliver market-leading repeatability and accuracy in fluid placement and positioning. Specialized dispensing software simplifies setup and programming. Optimize dispensing results with features such as laser height sensing and smart vision CCD cameras.



PICO *Pulse* XP's sustained stroke target seeking maintains long-term dispensing repeatability.



Experience consistent valve-to-valve performance with PICO XP jetting systems.



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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