

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.

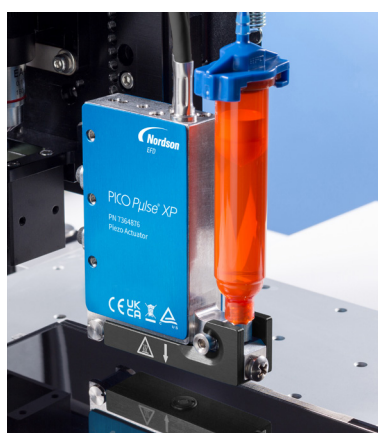
Achieve micro-deposits as small as 0.5 nL with extreme precision and repeatability at up to 1000Hz continuous for your most sophisticated non-contact dispensing application needs.

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
7014871	Kit, power cord*, American plug
7014872	Kit, power cord*, European plug

*Order separately



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.

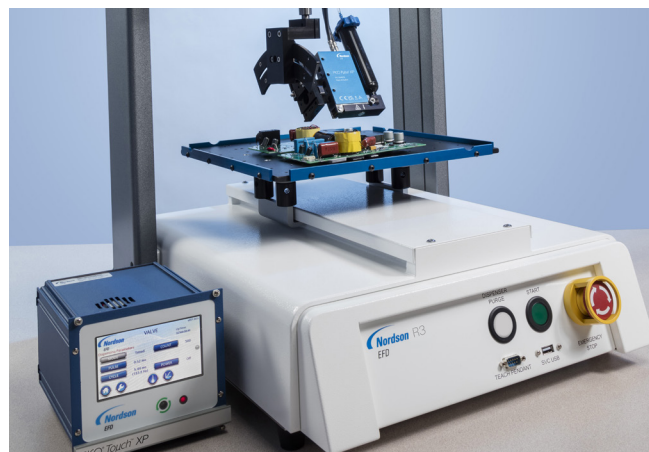
* Polyetheretherketone



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

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 µs 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



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

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.



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

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