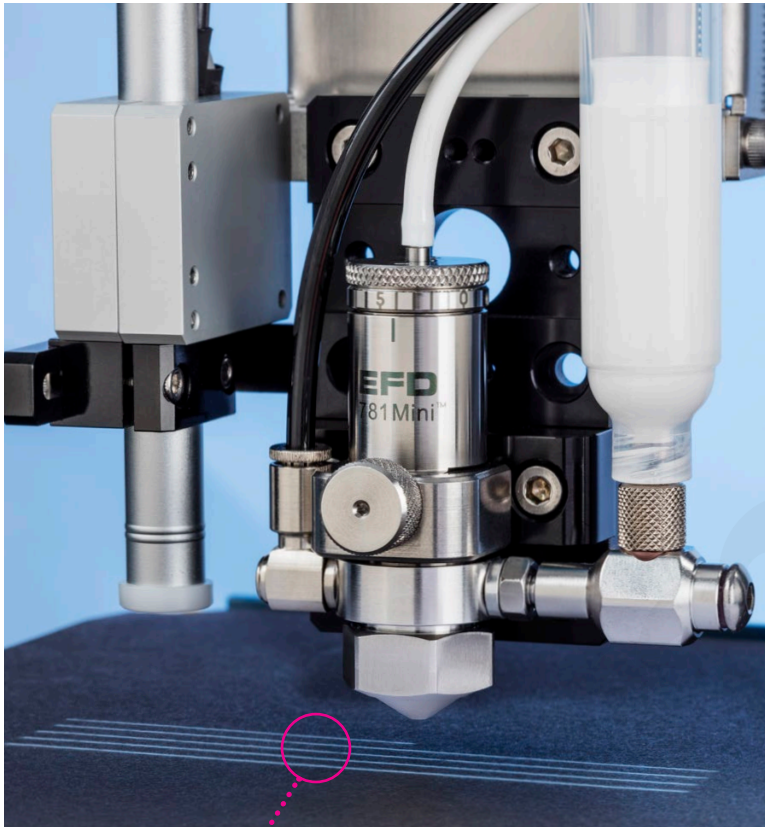
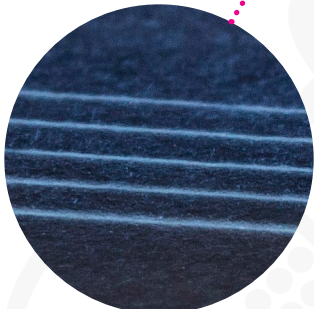


781Mini Series Spray Valve

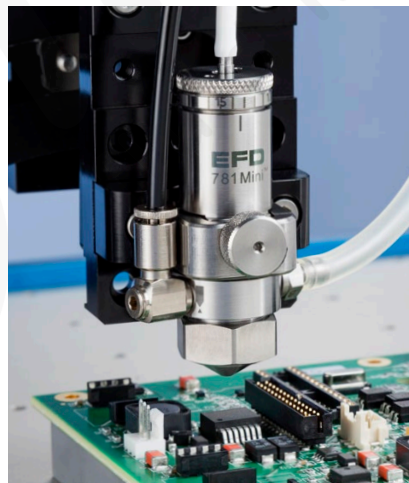
More uniform spray control in a 60% smaller form factor



The 781Mini delivers a more uniform, narrower spray pattern than previously possible.



1 mm wide



Zero overspray prevents part contamination.

The 781Mini™ precision Low Volume, Low Pressure (LVLP) spray valve features a patent-pending design that directs nozzle air pressure more consistently, for a more uniform spray pattern. This delivers greater accuracy and edge definition in applications of low-to-medium viscosity fluids such as activators, coatings, greases, oils, inks, liquid fluxes, silicones, and solvents.

It also features a 60% smaller form factor than conventional spray valves, allowing it to spray in tighter spaces and at more complex angles. Ideal for automated assembly processes, the valve's smaller dimensions allow multiple valves to be mounted per fixture plate for greater overall throughput.

Using LVLP technology, the valve produces precise, repeatable micro spray patterns as small as 1 mm (0.04") in diameter. A unique, patented QR (Quick Release) thumbscrew clasp allows for easy removal of the fluid body to replace wetted parts in seconds — no tools required.

Features

- 60% smaller form factor than conventional spray valves
- Precision spray control. Consistent spray patterns as small as 1 mm (0.04") in diameter
- High transfer efficiency without overspray or airborne mist
- Adjustable fluid flow rate and nozzle air
- Zero dead fluid volume for reduced fluid waste
- Easy-to-use, low maintenance design

Benefits

- Smaller spray patterns than could previously be achieved
- Improved spray pattern uniformity provides better accuracy and edge definition
- Smaller form factor allows for dispensing in tighter spaces, creating new manufacturing opportunities
- QR (Quick Release) clasp allows for quick, tool-free serviceability, minimizing downtime
- 360° rotational fluid body provides flexible positioning for faster setup
- Lightweight construction reduces tabletop automation motor and belt wear
- Modular design lowers cost of ownership



more info



781Mini Specifications

Item	Specifications
Size	71.4 mm length x 22.4 mm diameter (2.8 x 0.9" diameter)
Weight	141 g (5 oz)
Actuating air pressure required	4.8–6.2 bar (70–90 psi)
Maximum fluid pressure	7.0 bar (100 psi)
Fluid inlet	M5
Mounting	M4
Cycle rate	Exceeds 400 per minute
Actuating air inlet	4 mm OD tubing, barb fitting
Air cylinder body	303 stainless steel
Fluid body	303 stainless steel
Air cap	303 stainless steel
Piston	303 stainless steel
Needle	303 stainless steel
Maximum operating temperature	102° C (215° F)

US Patent No. 9,816,849 for QR clasp.

All stainless steel valve parts are passivated.

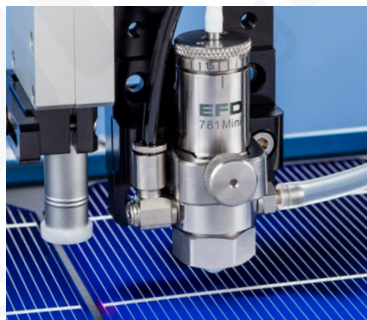
Part #	Description	Nozzle Orifice	Spray Pattern
7364002	781Mini-0.01" spray valve	0.254 mm (0.01")	Round
7362301	781Mini-0.03" spray valve	0.76 mm (0.03")	Round

Select Your Controller

See the Valve Selection Guide for the controllers compatible with this valve — www.nordsonefd.com/ValveGuide.

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.

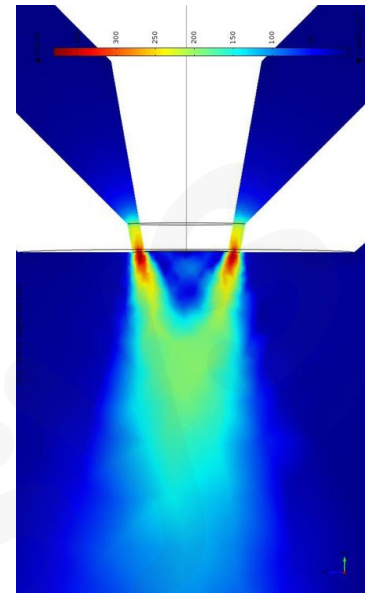


Precision spray control improves solar cell tabbing and stringing processes.

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



High-tech simulation of 781Mini directing airflow in a consistent, even way for exceptional spray pattern control.

