

Optimum SmoothFlow Precision Nozzles

Micro-dispensing for high-precision applications



Optimum SmoothFlow stainless steel precision nozzles offer orifice sizes from 100 to 500 μm .

Nordson EFD's Optimum[®] SmoothFlow[™] stainless steel precision nozzles are ideal for fluid dispensing applications in the compact camera module (CCM), LED, semiconductor, automotive electronics, and high-precision industrial markets.

Machined for tight tolerances, the reusable precision nozzles offer orifice sizes from 100 to 500 μm for micro-deposit dispensing. For even finer deposit sizes, the Optimum Ceramic MicroDot[™] tip features a 50 μm orifice diameter.

In addition, EFD precision nozzles can be customized for your application with options such as side nozzles, long-tapered nozzles, and shower nozzles.

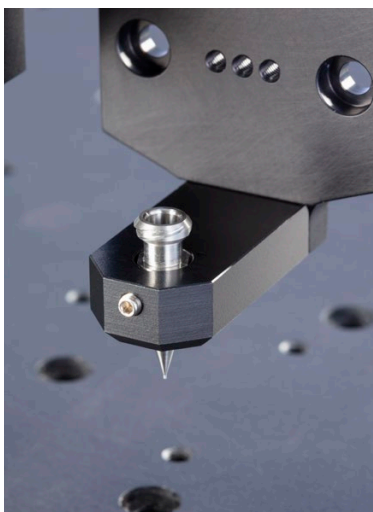
A special nozzle-stabilizing fixture is available for automated dispensing using a syringe and air-powered dispenser. This fixture holds the nozzle in place, keeping it in a stable position so the dispensing height is constant for barrel changeout.

Features

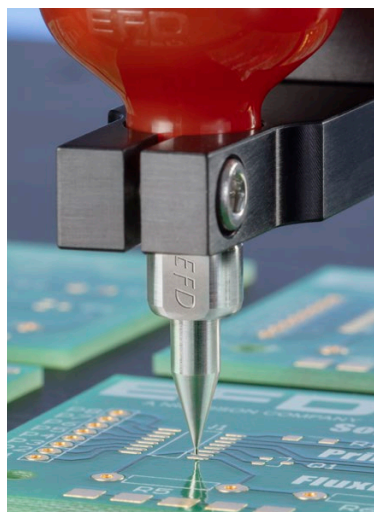
- Precision-machined 303 stainless steel
- Tapered nozzle design
- Range of orifice diameters and nozzles from 100 to 500 μm

Benefits

- Tapered SmoothFlow nozzle design eliminates clogging and allows optimal flow for consistent fluid deposits
- Reusable nozzles reduce changeover time on production line as well as consumables
- Nozzles deliver precise deposit control in complex applications, such as LED potting, underfills, fine-line bonding, edge sealing, and more



Nozzle-stabilizing fixture holds nozzle in a secured position.



Micro-dispensing PCB application.



more info

Part #		Gauge	Description	ID mm / in
Qty: 1 pc	Qty: 10 / box			
7365112	7365121	21	500 µm stainless steel precision nozzle	0.50 / 0.020
7365111	7365120	21.5	450 µm stainless steel precision nozzle	0.45 / 0.018
7365110	7365119	22	400 µm stainless steel precision nozzle	0.40 / 0.016
7365109	7365118	23	350 µm stainless steel precision nozzle	0.35 / 0.014
7365108	7365117	24	300 µm stainless steel precision nozzle	0.30 / 0.012
7365107	7365116	25	250 µm stainless steel precision nozzle	0.25 / 0.010
7365106	7365115	27	200 µm stainless steel precision nozzle	0.20 / 0.008
7365105	7365114	30	150 µm stainless steel precision nozzle	0.15 / 0.006
7365104	7365113	32	100 µm stainless steel precision nozzle	0.10 / 0.004
7364054	7364055	37	50 µm ceramic tip with polypropylene hub	0.05 / 0.002
7364540	—	37	50 µm ceramic tip with stainless steel hub, for use with PICO® valves	0.05 / 0.002
7364386	—	37	50 µm ceramic tip with stainless steel hub, for use with luer lock connections	0.05 / 0.002
7365122	—	—	Optimum nozzle stabilizing fixture	—



Micro-deposit dispensing onto a compact camera module.



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

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