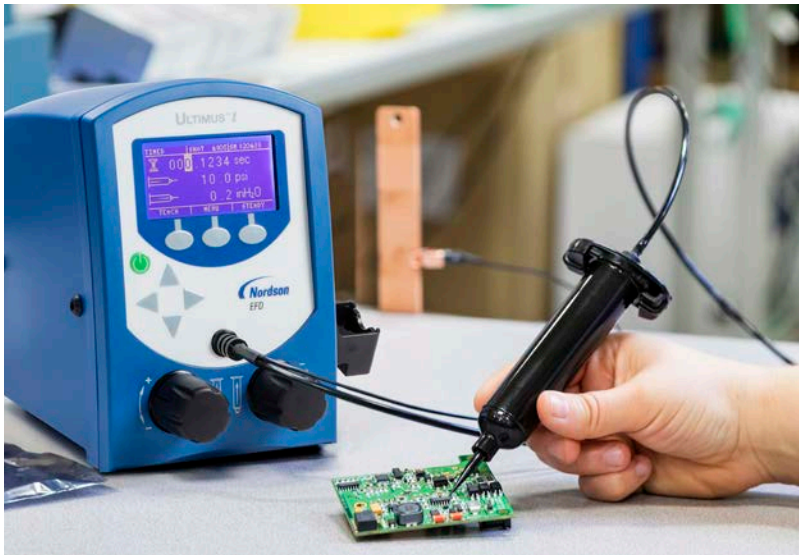


# Optimum ESD-Safe Dispensing Components

Prevent static buildup in electronics manufacturing



ESD-safe dispensing components prevent part damage and minimize rejects.



Apply extremely accurate, precise micro-deposits with ESD-safe dispensing tips.

Nordson EFD's Optimum® ESD-safe black dispensing components prevent static buildup when dispensing adhesives, pastes, coatings, and other assembly fluids used in manufacturing electronic products.

ESD-safe (aka electrostatic dissipative) syringe barrels, dispensing tips, and adapter assemblies are designed specifically for precision fluid applications used in manufacturing mobile devices, wearables, medical devices, fiber optics, and other electronic products.

These dispensing components provide the highly accurate, repeatable micro-deposits required as electronic devices shrink in size and the density of electronic components increase. Preventing static buildup also inhibits damage to fragile semiconductors and printed circuit boards — minimizing costly rejects.

## Features

- Static decay rate less than 2.0 seconds
- Surface resistance less than  $1 \times 10^{11}$  ohms
- High conductivity
- Certified safe for industrial use
- Made in silicone-free facilities in the USA

## Benefits

- Meets industry standards that ensure static will not be transferred while dispensing
- Molded from an inert, non-carbon, non-surface-migratory material that's safe, even for sensitive fluids
- Dispense tips free of flash and burrs for precise, repeatable deposits
- Syringe barrels with Zero Draft™ walls that provide clean wiping and prevent blow-by

## ESD-Safe Syringe Barrels

Part #	Description	Qty/Box	Color
7362856	3cc ESD-Safe syringe barrel	50	Black
7362858	5cc ESD-Safe syringe barrel	40	Black
7362860	10cc ESD-Safe syringe barrel	30	Black
7362862	30cc ESD-Safe syringe barrel	20	Black
7362864	55cc ESD-Safe syringe barrel	15	Black

## SmoothFlow Pistons

Part #	Description	Qty/Box	Color
7012166	3cc SmoothFlow piston	50	White
7012172	5cc SmoothFlow piston	40	White
7012178	10cc SmoothFlow piston	30	White
7012184	30cc/55cc SmoothFlow piston	20	White

## ESD-Safe Tapered Tips

Part #	Gauge	ID		Qty/Box	Color
		mm	inch		
7018150	18	0.84	0.033	50	Black
7018211	20	0.58	0.023	50	Black
7018373	25	0.25	0.010	50	Black
7363483	27	0.20	0.008	50	Black

## ESD-Safe General Purpose Tips (0.25" length)

Part #	Gauge	ID		Qty/Box	Color
		mm	inch		
7018448	30	0.15	0.006	50	Black

## ESD-Safe Chamfered Tips (0.25" length)

Part #	Gauge	ID		Qty/Box	Color
		mm	inch		
7018477	33	0.10	0.004	25	Black

## ESD-Safe Adapter Assemblies

3-foot hose	6-foot hose	Description	Qty/Box	Color
Part #	Part #			
7016095	—	3cc adapter assembly	1	Black
—	7016096	3cc adapter assembly	1	Black
7027849	—	5cc adapter assembly	1	Black
7016097	—	10cc adapter assembly	1	Black
—	7016098	10cc adapter assembly	1	Black
7362545	—	30cc/50cc adapter assembly	1	Black
—	7362546	30cc/50cc adapter assembly	1	Black

