## Series FP-200 Hot Melt Dispensing Guns



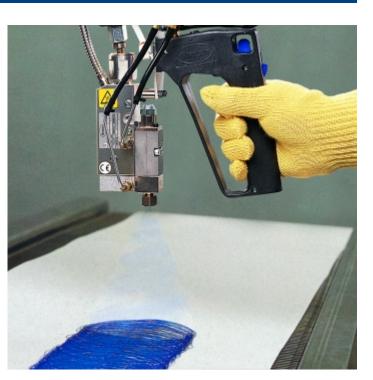
*Ergonomic guns provide operating ease and pattern flexibility for benchtop gluing applications.* 

Nordson<sup>®</sup> FP-200 guns minimize physical stress and fatigue when manually applying hot melt adhesives to horizontal substrates. Weight-supported design and ergonomic configuration allow operator to maintain neutral wrist position.

FP-200 guns are ideal for benchtop gluing applications on flat panels in the automotive, appliance and furniture industries. The complete flat-panel gun system includes a FP-200 extrusion or swirl gun, hose and suspension package.

## Ergonomic design promotes operator comfort to help increase productivity.

- **Durable suspension package** bears the gun's weight and permits a wide range of horizontal movement.
- **Pivoting swing arm** moves easily left or right and in or out relative to the operator's position.
- Patented multi-plane swivel allows 360-degree gun rotation and up to 20-degree angle movement from centerline, reducing wrist stress.
- Adjustable trigger handle allows left- or-right-hand operation, and auxiliary guide handle permits two-handed use for added control.
- Light-touch trigger activates a microswitch in gun handle, providing instant adhesive flow.
- Thumb safety switch locks trigger to prevent accidental dispensing.



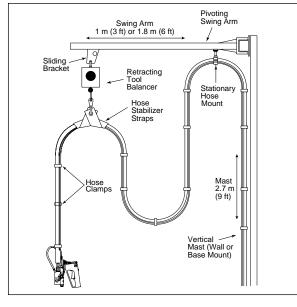
- **Cool-touch handle** contains no heated components or heated flow paths, protecting operator.
- Integral heat shield provides insulation that optimizes gun performance in cold or drafty environments and protects operator from hot surfaces.

## Design enhances pattern and application flexibility.

- Selection of modules and nozzles provides swirl spray or bead extrusion to meet deposition requirements.
- Patented Controlled Fiberization<sup>™</sup> guns (CF<sup>®</sup>) permit exceptional control of swirl pattern density and size, yielding narrow and wide pattern versatility without overspray.
- Bead extrusion guns accept standard and extended nozzles to meet specific bead placement requirements.
- **Compact body design** optimizes pattern visibility and maneuvering in difficult to reach areas.
- **Conversion kits** are available to modify a standard extrusion gun to swirl and a swirl gun to extrusion (reduced cavity gun conversion not available).
- Advanced components and design techniques comply with worldwide approval codes, including CE, UL, CUL and TÜV.



The FP-200 system provides a weight-supported design and ergonomic configuration that help reduce worker fatigue and physical stress.



FP-200 Gun System

## **Specifications**

specifications	
Pattern Type <sup>1</sup>	
FP-200 standard	Bead
FP-200 reduced cavity	Bead
FP-200 CF	Swirl
FP-200 CF-WP	Wide swirl
Operating Temperature	230° C (450° F) maximum
Working Hydraulic Pressure	103 bar (1500 psi) maximum
Air Pressure <sup>2</sup>	
Standard and reduced cavity	2.1 to 4.1 bar (30 to 60 psi)
CF swirl and wide pattern	2.8 to 4.8 bar (40 to 70 psi)
Air Consumption	3.2 scfm maximum
Nozzle Orifice Diameters <sup>3</sup>	
FP-200 standard	0.20 to 0.61 mm (0.008 to 0.024 in.)
FP-200 extended extrusion	0.64 to 4.75 mm (0.025 to 0.187 in.)
FP-200 reduced cavity	0.20 to 0.51 mm (0.008 to 0.020 in.)
FP-200 CF swirl	0.20 to 1.27 mm (0.008 to 0.050 in.)
FP-200 CF swirl - wide pattern	0.64 to 1.17 mm (0.025 to 0.046 in.)
Spray Pattern Width4	
FP-200 CF swirl	6 to 38 mm (0.25 to 1.5 in.)
FP-200 CF swirl - wide pattern	25 to 152 mm (1 to 6 in.)
Electrical Service	220-240 VAC, 50/60 Hz
1 FP-200 guns are compatible with most Nordson melt units, bo PA-2500, Series 3000, Series 2300, Series 5000 and FM150 unit	oth RTD and thermostatic-based technology. Compatible units include ts.
2 Recommended range. Dry, regulated, unlubricated air require negatively affected if operated outside the recommended ran application.	ed for consistent gun operation. Module performance and durability will be nge. Volumetric air requirements will vary with gun configuration and
3 Order nozzles separately for standard extrusion guns. For re- an integral component of RC module.	duced cavity guns, specify nozzle diameter with gun purchase, as nozzle is
1 Maximum achievable quirt nattern width depende on adheeiu	in hoing dianoncod

4 Maximum achievable swirl pattern width depends on adhesive being dispensed.



For more information, talk with your Nordson representative or contact your Nordson regional office.

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