

Plural-component metering system offers simple operation and superior precision.

### Features and Benefits

- Controls up to 32 materials
- Precise metering and mixing control with accuracy of  $\pm 1\%$
- Use with a variety of coatings for a range of flow rates
- Icon-based, touch-screen controls
- Saves 50 mixing recipes
- Compatible with a variety of paint supplies and application equipment
- User can construct 10 flushing programs, with up to 20 steps per program
- Password secured programs

The Nordson OptiMix metering system combines electronic metering technology with simple, touch-screen controls for an easy introduction to the world of mixing two-component materials. Using flow meters and valves, the system is designed to provide excellent ratio control and adjustability for coating operations. Each OptiMix system is custom built per application and can control up to 32 materials with a mixing accuracy of  $\pm 1\%$ .

### Application Versatility

- Wide range of coatings, viscosities, and flow rates
- Two- and three- component configurations
- Real-time data download capability

### Unlimited Possibilities

As simple as it is to use, the OptiMix system is compatible with several paint supply types such as dual-diaphragm pumps, pressure tanks and piston pumps. The system also works with a variety of automatic and manual application equipment including airless, air-assisted airless, HVLP, electrostatic, and non-electrostatic spray guns.



The OptiMix system operates with simple, icon-based, touchscreen controls or can be configured with a remote control.

Further, the system is able to connect to a printer to download system data.

### System Controls

The system's software can save up to 50 mixing recipes. Each recipe saves the number of the A, B and C component, the mixing ratio, and the material pot life. The system will automatically flush if the pot life is exceeded. An electronic pressure regulation kit can be added to the low-pressure version of the OptiMix system to save time by spraying, flushing, and filling the unit at higher pressures.

# OptiMix® Plural-Component Metering System

## Diagnostics

The OptiMix system monitors the flow of the individual components until the actual recipe ratio is reached. If a certain mixing ratio cannot be reached by the flow meters, the unit stops the material flow and starts an alarm. The system can also alarm if a component container is emptied below a pre-set level.

For regular monitoring, the system saves the last 100 alarms, the date and time of each alarm, and the consumption of every component.

## Specifications

|                            |   |
|----------------------------|---|
| <b>Air Inlet Pressure</b>  | 87-116 psi (6 to 8 bar)                     |
| <b>Material Pressure</b>   | 3600 psi (250 bar)<br>(Optional 500 bar)    |
| <b>Flow Rate</b>           | 50-4000 ml/min<br>(2 to 135 oz/min)         |
| <b>Working Temperature</b> | 10 to 70 degrees C<br>(50 to 158 degrees F) |
| <b>Mixing Ratio</b>        | 1:2 to 50:1                                 |

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

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## The systems offer unlimited possibilities



**Application systems:**  
Rotary Atomizer,  
Airless, Air-Assisted  
Airless, and HVLP  
with Nordson Kinetix®



**Operations:**  
Touch-screen  
remote control



**Options:**  
Printer



**Electrostatic  
with Kinetix®  
or conventional  
with guns, manual  
and automatic**



**Paint supply:**  
Double-diaphragm  
pumps, pres-  
sure tanks, piston  
pumps



**Robot  
communications**