

OptiMix® Two-Component System



Two-component system offers simple operation and superior precision.

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

Application Versatility

The OptiMix is available in low-pressure (< 100 psi) and high-pressure (1500 psi) versions.

- Low- and high-pressure versions
- Wide range of coatings, viscosities, and flowrates
- 2 and 3 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 operates with simple, icon-based, touch-screen controls or can be configured with a remote control.

Additional options are available to connect the OptiMix to a printer to download system data.



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System Controls

The system's software can save up to 30 mixing recipes. Each recipe saves the number of the A and B component, the mixing ratio, and the material pot life. An electronic pressure regulation kit can be added to the low-pressure version of the OptiMix to save time by spraying, flushing, and filling the unit at higher pressures.

Diagnostics

The OptiMix system monitors the flow of the A and B components until the actual recipe ratio is reached. If a certain mixing ratio cannot be reached by the flowmeters, the unit stops the material flow and starts an alarm.

For regular monitoring, the system saves the last 200 alarms, the date and time of each alarm, and the consumption of every component.

Features and Benefits

- Controls up to 32 materials
- Precise metering and mixing control with accuracy of $\pm 1\%$
- Low-pressure (<100 psi) and high-pressure (1500 psi) versions available
- Use with a variety of coatings for a range of flowrates
- Icon-based, touch screen controls
- Saves 30 mixing recipes
- Compatible with a variety of paint supplies and application equipment

Specifications

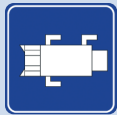
Low-Pressure Version

Air inlet pressure	87-116 psi (6-8 bar)
Material pressure	0-100 psi (0-6.9 bar)
Flow rate	5-2000 ml/min (0.2-68 oz/min)
Working Temp	10-70°C (50-158°F)
Mixing ratio	1:2-50:1
Weight	50 kg

High-Pressure Version

Air inlet pressure	87-116 psi (6-8 bar)
Material pressure	101-2000 psi (6.9-137.9 bar)
Flow rate	100-16,000 ml/min (3 oz-4 gallons)
Working Temp	10-70°C (50-158°F)
Mixing ratio	1:2-50:1
Weight	50 kg

The systems offer unlimited possibilities



Application systems:
Airless, Air-Assisted Airless,
and HVLP with Nordson
Kinetix® or Prism® guns



Operations:
Touch screen remote
control



Options:
Printer



Electrostatic with Kinetix
or conventional with
Prism guns, manual and
automatic



Paint supply:
Double diaphragm
pumps, pressure tanks,
piston pumps



Robot communications

Nordson reserves the right to make design changes to products to improve their function.
These changes may occur between printings.

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

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