

DispenseMate 583/585

Dispensing Power in a Compact Package

Features and Benefits

- **Accurate & repeatable dispensing in a benchtop platform**
- **Flexible for many dispensing applications**
- **Industry-proven FmXP software**
- **Advanced dispensing capability, including Jet-on-the-Fly and Dynamic Dispensing Control**
- **Automatic Pattern Recognition available**
- **CAD Import available**

The DispenseMate® Series brings new dispensing power to a compact package. In a benchtop format, many of today's advanced automated dispensing features are available.

Two models are offered with different dispensing areas. The 583 model range of motion is 325 x 325 mm, and the 585 model is 525 x 525 mm.

The DispenseMate platform utilizes similar dispense control technology as Nordson ASYMTEK's most advanced dispensing systems, including Dynamic Dispensing Control and Jet-on-the-Fly. With the powerful, industry-proven Fluidmove® for Windows XP (FmXP) software and closed-loop DC servo motion control system, the DispenseMate provides excellent position control in a benchtop platform.



Fluidmove programs are easily moved to other Nordson ASYMTEK systems, including the Axiom FmXP, and provides SPC data-logging for process traceability. Offline Mass Flow Calibration (MFC) can be accomplished by users weighing samples on their own scales and manually inputting the weights; the software then computes flow rates.

Other standard features include an integrated height sensor and digital gauges for accuracy and easy setup.

Optional features make the system very useful for today's manufacturing environments. Options include Automatic Pattern Recognition System, Dynamic Dispensing Control, Vacuum Purge/Tactile Z-Height Sensor, CAD Import, and programmable needle heat temperature control.

Specifications: DispenseMate 583/585

Motion System:

Type: Brushless DC servo motors with closed-loop
Encoder Resolution: 10 microns
X-Y Acceleration: 0.25 g peak with S-curve jerk control
X-Y Velocity: 500 mm/s (20 in./s)
Z-Axis Velocity: 500 mm/s (20 in./s)
Positional Accuracy: ± 0.075 mm (0.003 in.), 3 sigma
X-Y Repeatability: ± 0.025 mm (0.001 in.)
Z-Axis Repeatability: ± 0.025 mm (0.001 in.)

Dispense Area:

DispenseMate-583: 325 x 270 mm (12.8 x 10.6 in.)
DispenseMate-585: 525 x 470 mm (20.7 x 18.5 in.)
Note: With camera, dispense area is about 75 mm shorter in X-axis.
Z-Travel: 100 mm
Tool Payload (z-axis): 3 kg
Total Workpiece Payload including tooling plate (y-axis):
DispenseMate-583: 5 kg
DispenseMate-585: 3 kg

Computer: Software:

Computer: Windows-based Laptop PC

Fluid Delivery Method:

DispenseJet® DJ-9000; Heli-flow® DV-7000 and DV-8000 pumps;
DV-01, DV-02, DV-03, DV-04, DV-05, DV-09

Facilities Requirement:

System Footprint (without Laptop PC):
DispenseMate-583: 560 x 670 x 630 mm (w x d x h)
DispenseMate-585: 760 x 850 x 630 mm (w x d x h)
Air Supply: 621 kPa (6.1 atm, 90 psi)
3 CFM @ 90 psi (85 liters/min, 3 SCFM)
Note: May be higher depending on application.
Power (Mains): 100-240 VAC, 5 Amps, 50/60 Hz, Single Phase
Weight:
DispenseMate 583: 45 kg
DispenseMate 585: 70 kg

Other Standard Features:

Integrated Height Sensor
Tooling Plate:
DispenseMate-583: 337 x 332 mm
DispenseMate-585: 537 x 547 mm
Precision Air Regulators
Low Air Pressure Alarm, with adjustable set point
Jet-on-the-Fly (JOF)

Options:

- Automatic Pattern Recognition System with programmable, on-axis, red/blue LED, 256 steps
- Needle Heater Control, software-programmable setpoints
- Dynamic Dispense Control (DDC)
- Vacuum Purge/Needle Tactile Sensor Service Station
- Low Fluid Sensor
- CAD Import Software program
- SECS/GEM Interface-System Enclosure with External Control Box

Additional options are available; contact Nordson ASYMTEK for further information.

For more information,
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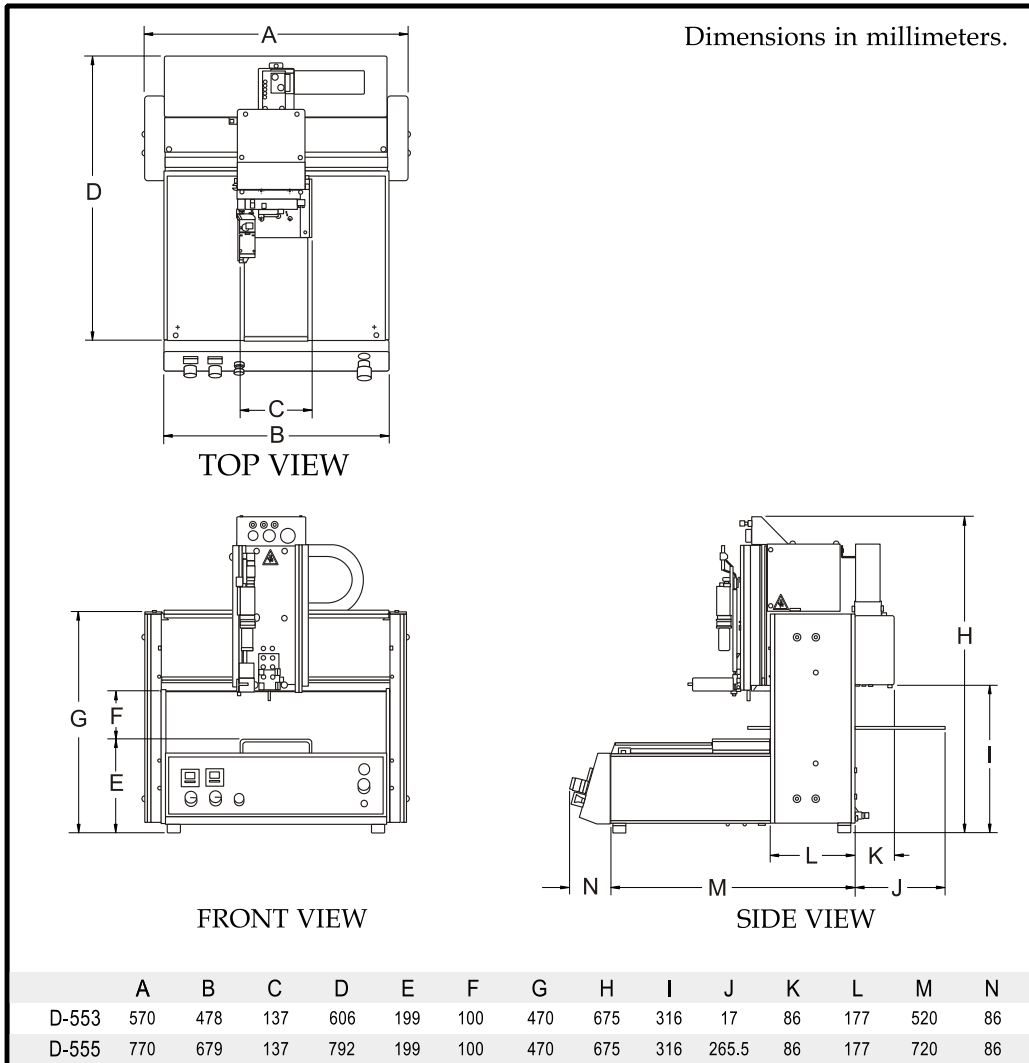
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