

# PRODUCT INFORMATION: DISPENSEMATE® 550 SYSTEM

## DISPENSEMATE® 550 DISPENSING POWER IN A COMPACT PACKAGE

The DispenseMate® 550 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 553 model has a dispense area of 325 x 325 mm, and the 555 model is 525 x 525 mm.

The DispenseMate 550 platform utilizes the same dispense control technology as some of Asymtek's most advanced dispensing systems. With the powerful, industry-proven Fluidmove® for Windows® NT (FmNT) software and closed-loop DC servo motion control system, the DispenseMate provides excellent dispensing control in a benchtop platform.

Fluidmove programs are easily moved to other Asymtek systems, including the Axiom™. FmNT also 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, CAD Import, and a manually adjustable temperature controller.



### FEATURES & BENEFITS:

- Accurate & repeatable dispensing in a benchtop platform
- Flexible for many dispensing operations
- Industry-proven FmNT software
- Automatic Pattern Recognition available
- CAD Import available

## D-550 SPECIFICATIONS:

### MOTION SYSTEM:

X-Y-Z: H-Bridge De-coupled Axes, brushless DC servo motor, closed-loop, high-resolution cable drive

X-Y Acceleration: 0.25 g  
 X-Y Velocity: 500 mm/sec  
 X-Y Repeatability: 25 microns  
 Resolution: 10 microns

### DISPENSE AREA:

DispenseMate 553: 325 x 325 mm  
 DispenseMate 555: 525 x 525 mm

*Note: With camera, dispense area is about 75 mm shorter in X-axis*

Z-Travel: 75 mm  
 Tool Payload: 3 kg  
 Work piece Payload: 7 kg

### VISION AND LIGHTING:

Lighting: Programmable  
 Image Size: 12.7 mm (0.5 in.) standard

### COMPUTER:

Computer: Celeron® PC with minimum 20 GB hard drive, 3.5 in. floppy and CD-ROM drives  
 User Interface: Color LCD flat-panel display; ASCII keyboard & mouse; Ethernet network port

### SOFTWARE:

User Environment: Fluidmove® for Windows NT  
 Operating System: Windows NT

### FLUID DELIVERY METHOD:

DispenseJet® DJ-2100 and DJ-9000 jets; Heli-flow® DV-7000 and DV-8000 pumps; DV-01, DV-02, DV-03, DV-04, DV-05, DV-09

### FACILITIES REQUIREMENT:

System Footprint:

DispenseMate 553: 560 x 670 x 675 mm (w x d x h)  
 DispenseMate 555: 760 x 850 x 675 mm (w x d x h)  
 Air Supply: 621 kPa (6.1 atm, 90 psi)  
 5 CFM @ 90 psi (28 liters/hr=1 SCFM)

Power (Mains): 85-265 VAC, 50/60 Hz, Single Phase  
 Current Consumption: 320 Watts

Weight:

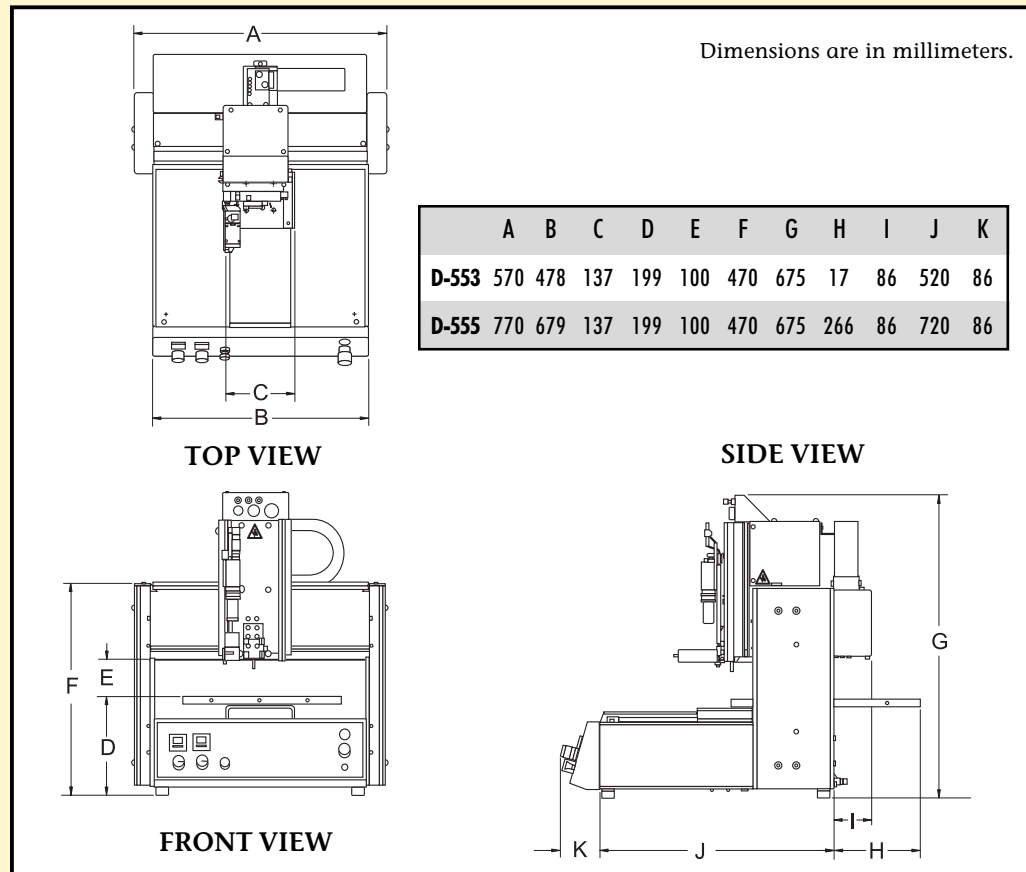
DispenseMate 553: 45 kg  
 DispenseMate 555: 70 kg

### OTHER STANDARD FEATURES:

Tactile Height Sensor  
 Digital pressure gauges

### OPTIONS:

- Automatic Pattern Recognition system: Allows for optical registration of the work piece to reliably locate dispensing sites (can compensate or up to +/-7 degrees rotational misalignment of part)
- CAD Import Software



Please contact these locations for the name of your local representative:

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All specifications are believed to be a true and accurate representation of system capabilities and are subject to change without notice. Contact Asymtek for your specific application requirements.

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 Asymtek is the recipient of Intel Corporation's 2003 SCQI Award.

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