

HIGH SPEED DISPENSING MACHINE SD-450



Standard configuration

- X/Y axis controlled by Servo motor & ballscrew.
- Max W 400 *D 430 mm PCB capable
- Repeatable accuracy : +/-0.025mm
- Nozzle temperature control system
- **Nozzle vacuum cleaning**
- Liquid level in tube detecting system
- X/Y/Z axis auto correction platform
- Visual system
- **Not including valve**

Valve Option

- China made pneumatic jet valve Jet- 6000
- Air pressure boosting pump (for pneumatic jet valve)
- VERMERS Piezoelectric jet valve
- TECHCON TS5000DMP rotary valve
- China made Piezoelectric jet valve VD 1000

Software option

- High precision glue weighing system
- Laser height detecting system
- Bar code reading system

Conveyor option

- Rail bottom heating device

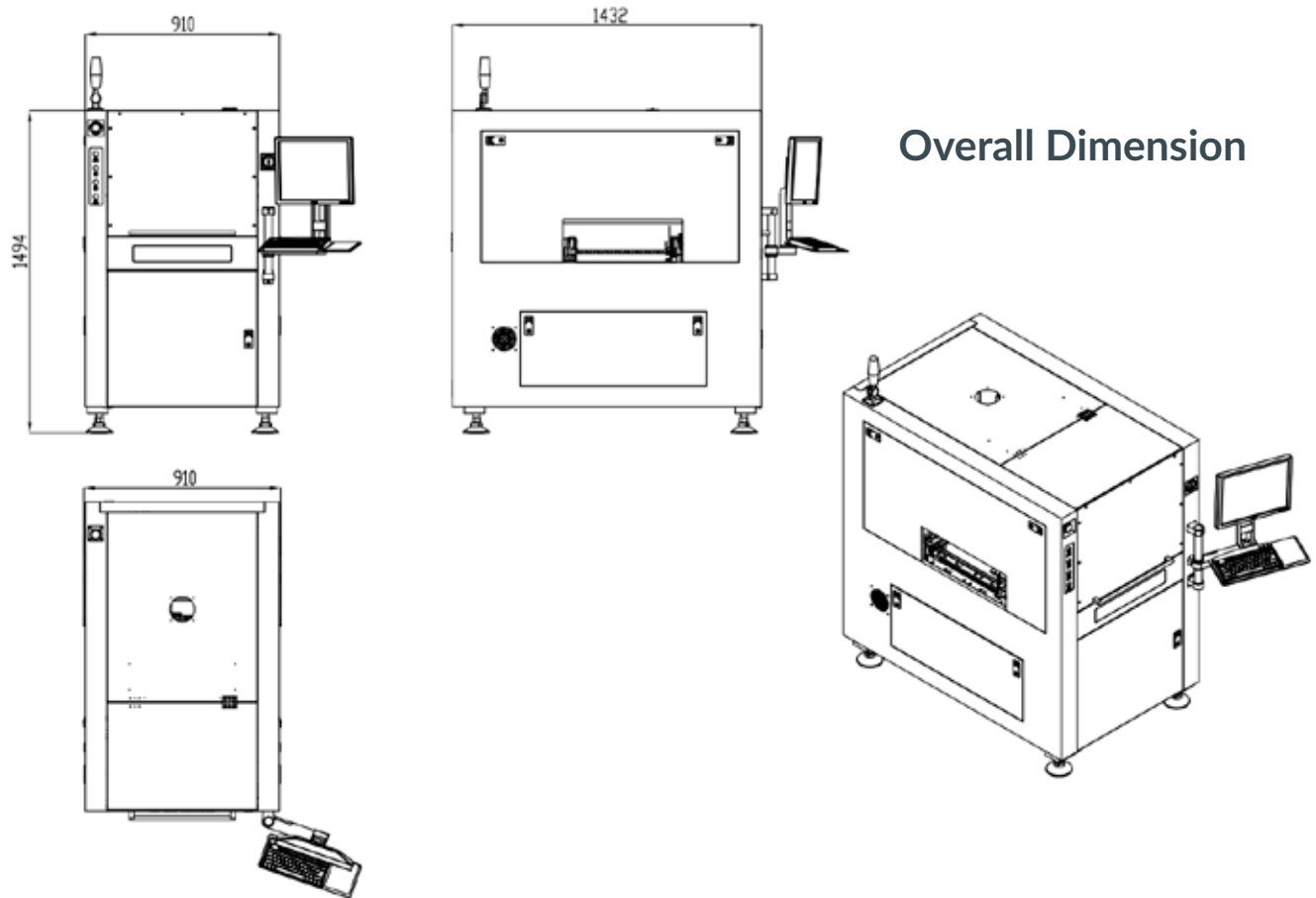
Standard configuration

- Solid motion platform, X/Y axis is controlled by Servo motor.
- Various high precision valve such as pneumatic jet valve, piezoelectric jet valve, screw valve which can meet different dispensing requirement.
- Equipped with vacuum cleaning device , which improved the nozzle cleaning
- Laser height detecting system(Optional) to correct the dispensing height
- Material level detecting in syringe function , machine will alarm when material is insufficient.

- Equipped with X/Y/Z auto correction platform.
- Glue weighing function (Option) guarantees precise dispensing.
- Industrial CCD and it's mark positioning function
- Teaching with CCD for programming, support loading .csv file.
- Industrial PC, Windows 10 operation system, full english interface, very easy to use.

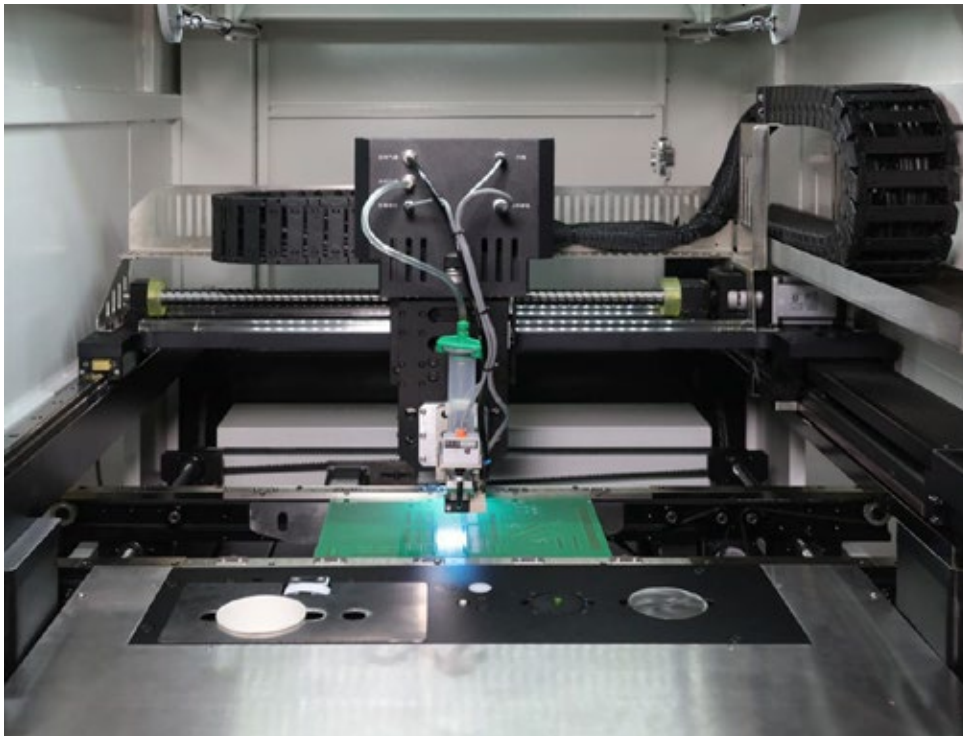
Specifications

Model	SD-450
Overall size	910 *1 432 *1500 L*W*H
Control method	Industrial PC ,full English software based on Windows 10 OS
Visual System	1.3 million pixels CCD ,fiducial mark recognition and automatic correct coordinate offset
Conveyor	One section conveying , conveying height : 900+/20mm , left to right only.
Width adjustment	Single Lane: 80 - 430mm , automatic width adjustment
X/Y axis Drive Model	Servo Motor
Z Axis Drive Mode	Servo Motor
Maximum Speed	X/Y : 1500mm/S
Repeatable Accuracy	0.025mm
Dispensing Area	X=400mm ,Y=430mm
Valve Heating	Room Temperature - 80°C± 3°C
Material Volume	30CC Or 50CC
Material Detection	Automatically Inspect glue dispensing size
Nozzle Cleaner	Vacuum Cleaning
Communication Connector	SMEMA
Program Method	CAD file load , Manual Teaching, offline programming
Power Supply	1P,220V 50-60HZ
Air Pressure	7kg/cm ²
Power	Max 2.5KW
Machine Weight	610 kg

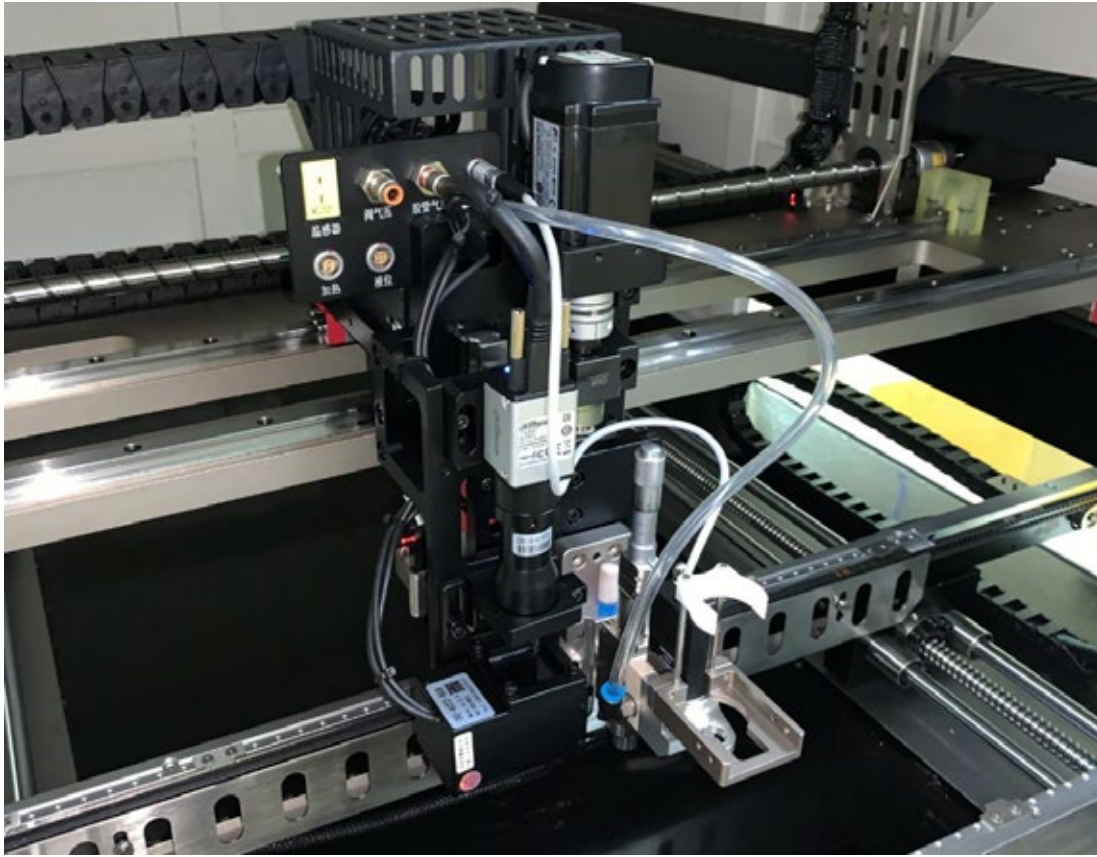


Overall Dimension

Details

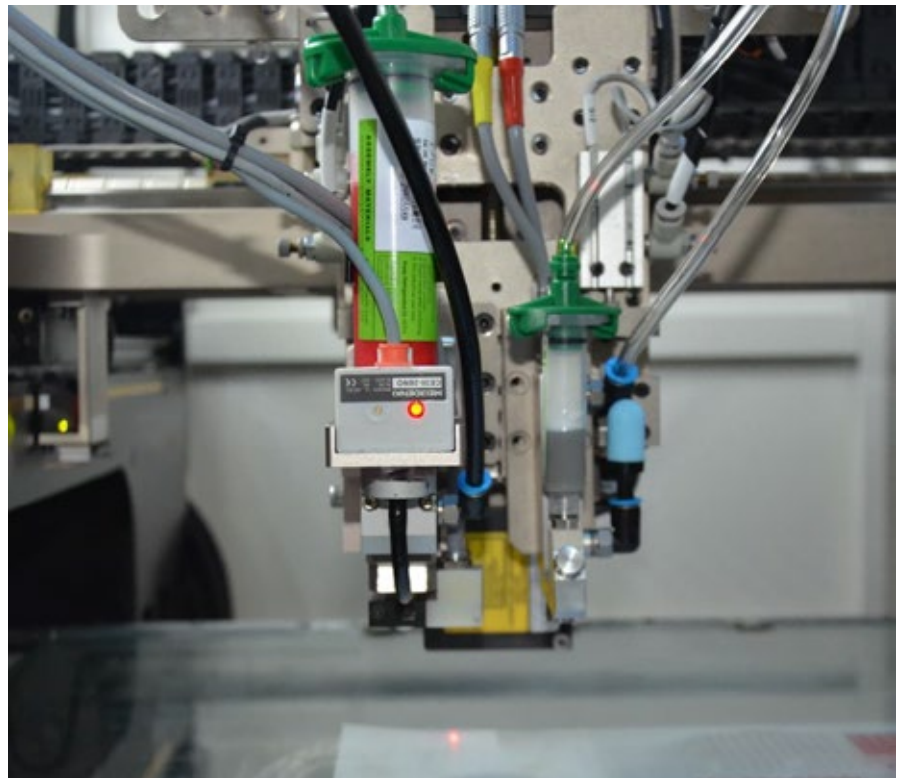


Solid motion platform,
X/Y/Zaxis is
controlled by
servo motor.



Various high precision valve such as peumatic jet valve, piezoelectric jet valve, screw valve is choosable, to meet different dispensing requirement.

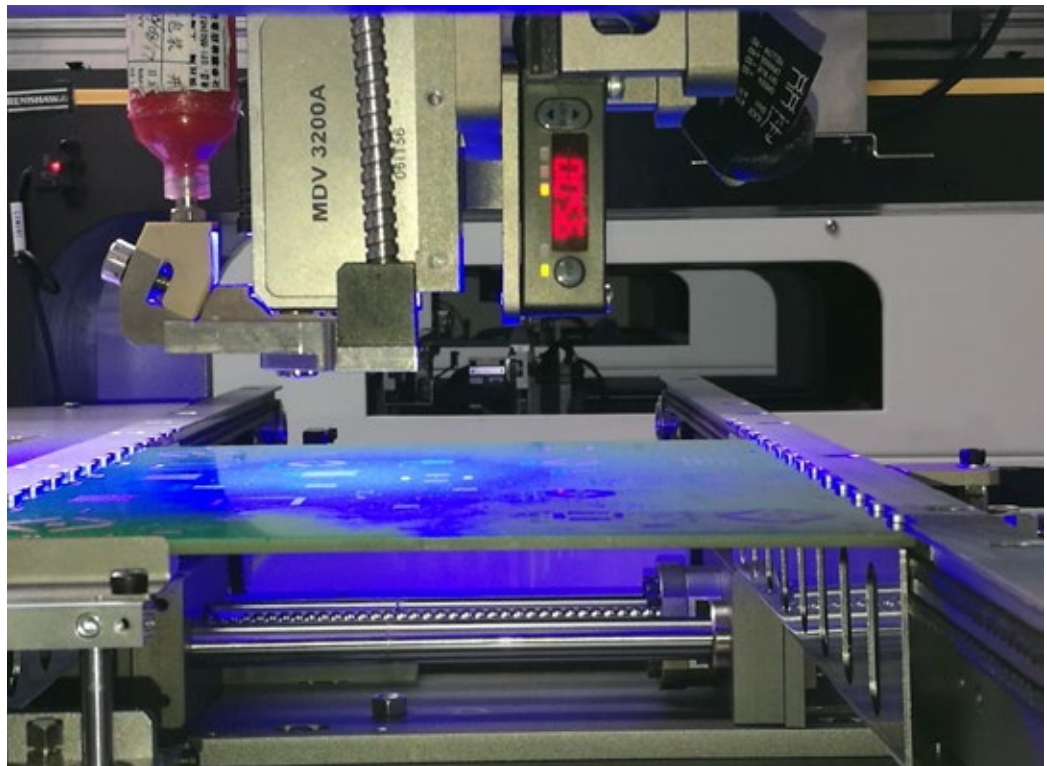
Material level detection.
Nozzle temperature control.





X/Y/Z correction platform.
Nozzle suction cleaning.
Glue weighing device (option).

Keyence laser height detecting system to correct the dispensing height.



Software

1. Full english interface ,software based on Windows 10 OS, easy to operate , It can realize Laser positioning, dot , line ,circle, arc instruction.



2. Search function: Only need to edit one dispense location when PCB has many same components, others can be searched automatically and use the same dispense program to edit them.
3. It can locate fast through the images . Camera will locate the relevant position when click the image at the same time. It is very convenient to find the components.



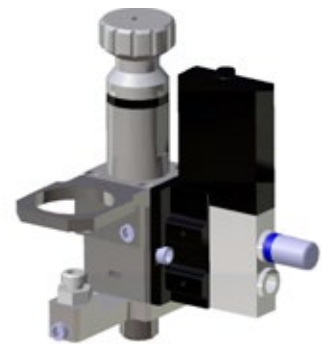
4. Whole Panel Function , easy to setup panel with sub program function.
5. Software can load CSV file etc directly.

High Speed Dispensing Machine SD-450 Valve

Peumatic Jet valve JET- 6000 Features

JET6000	Specifications
Air Pressure (Min)	0.7 Mpa
Dispensing frequency RPM (Max)	200 times /S
Best Feed Pressure	0- 0 3Mpa
Dot Diameter (Min)	0.6mm
Dot Weight(Min)	0.024mg
Best Viscosity Range	3000 - 130000Cp
Nozzle Heating Temp.(Max)	80°C

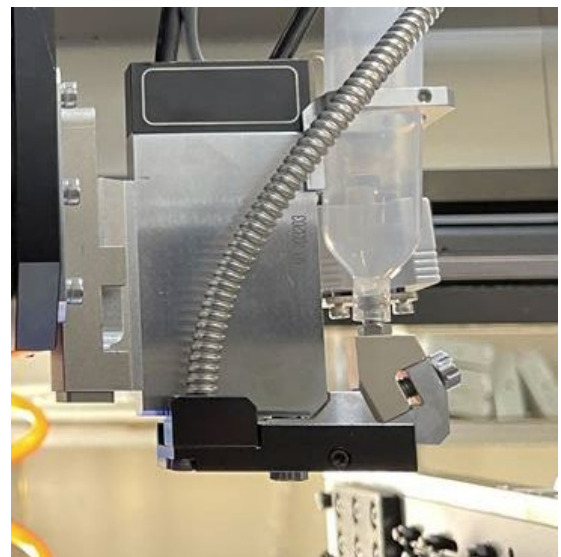
Application:
 Underfill
 Pin encapsulating
 Conformal Coating
 Package On Package
 Dam&fill
 Red glue dispensing
 COB package



Large Board Dispensing Machine L D 600 Valve

Piezoelectric Jet valve VD-1000 Features

Jet Valve VD-1000	Specifications
Control mode	Piezoelectric
Dispensing frequency (Max)	3000HZ
Best Feed Pressure	0- 0 3Mpa
Dot Diameter (Min)	0.5mm
Dot Weight(Min)	0.024mg
Best Viscosity Range	3000 -130000Cp
Nozzle Heating Temp.(Max)	80°C



Application:	Conformal Coating	Red glue dispensing
Underfill	Package On Package	COB package
Pin encapsulating	Dam&fill	

- Extremely fast opening and closing of valve at full stroke with up to 3000 Hz
- Freely adjustable parameter settings allow customizing the jet properties to requirements and fluid properties
- High repeatability of drop to drop dispensing volume for media of all viscosities
- Converting the force of the latest generation piezo through sophisticated mechanics

High Speed Dispensing Machine SD-450 configuration

Standard machine includes

- X/Y /Z axis controlled by servo motor
- Industrial PC, monitor, Keyboard, mouse
- 1 section conveyor controlled by step motor with automatic adjustment
- 3 color alarm lamp
- CCD visual system
- Nozzle heating
- Vacuum nozzle cleaning device
- Liquid level in tube detecting device
- X/Y/Z axis auto correction platform
- SMEMA cable
- 1 year parts warranty

Optional configuration

- China made pneumatic jet valve
- VERMERS Piezoelectric jet valve
- China made piezoelectric jet valve
- Precision glue weighing system
- Laser height detecting system
- Air pressure boosting pump(for pneumatic jet valve)
- Bottom heating device
- Bar code reading system