

LEADERSHIP THROUGH TECHNICAL EXCELLENCE.

As a worldwide leader in fluid application systems and solutions, Designetics has developed a wide range of innovation. The following are Designetics' equipment solutions.



e3mini

The e3mini uses positive-displacement (peristaltic) pumps that can dispense a wide range of fluids precisely and accurately. The peristaltic pumps are controlled from the HMI touchscreen, digital input, analog input, or Ethernet and can be set in Auto Mode, making the e3mini compatible with any system. Initial setup for operation is easily accomplished via the menu on the HMI touchscreen. This unit is offered in both 110V and 220V single-phase power.



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Precision Air Compliance

The Precision Air Compliance has a double-acting, non-rotating cylinder with an air bearing and a 3/4" stroke. Using the regulators, upward and downward pressure can be set to ensure a constant application is achieved. The Compliance is powered by compressed air, which can be set by the operator. The pressure regulators and the Air Manifold can be removed and mounted as required. The Compliance can be configured with an Applicator Stripper which is controlled via a customer-supplied robot or PLC.



Spring Compliance

The Spring Compliance is a device that operates in conjunction with Designetics applicators to provide consistent downward pressure to a surface for fluid application via an internal spring. Fluid is dispensed through the unit by installing disposable tubing, which is also installed on the pump head of the e3mini or e3multi, through the device.



Bottle Holder without Level Detection

The Bottle Holder without Level Detection is a device that securely holds fluid containers and provides an airtight seal. The unit is used in conjunction with the Designetics e3mini or e3multi and can hold up to 6 tubing lines to dispense fluid material. The bottle holder is equipped with an air-drying desiccant.



Bottle Holder with Level Sensor Level Detection

The Bottle Holder with Level Sensor Detection is a device that securely holds fluid containers, provides an airtight seal, and monitors the level of material in the bottle. The unit is used in conjunction with the Designetics e3mini or e3multi and can hold up to 6 tubing lines to dispense fluid material. The bottle holder is equipped with an air-drying desiccant. This unit uses a sensor which can be physically raised or lowered to set the level of material in the bottle, and when the material level falls below the sensor, a signal is sent to the Designetics e3mini or e3multi that a low material level is present.



Bottle Holder with Load Cell Level Detection

The Bottle Holder with Load Cell Level Detection is a device that securely holds fluid containers, provides an airtight seal, and monitors the level of material in the bottle. The unit is used in conjunction with the Designetics e3mini or e3multi and can hold up to 6 tubing lines to dispense fluid material. The bottle holder is equipped with an air-drying desiccant. This unit uses a weight sensor (load cell) that monitors the weight in the bottle, and when the material level in the bottle falls below the Low Level Set Point (Set on the e3mini or e3multi), a low material level alert will appear on the HMI screen.



Bottle Holder with Stir Plate

The Bottle Holder with Stir Plate is a device that can be adapted to fit the size of your primer container, provides an airtight seal, can constantly agitate the fluid material, and monitors the level of material in the bottle. The unit is used in conjunction with the Designetics e3mini or e3multi and can hold up to 6 tubing lines to dispense fluid material. The bottle holder is equipped with an air-drying desiccant. This unit uses a weight sensor that monitors the weight of the bottle's contents and when the material level in the bottle falls below the Low Level Set Point (Set on the e3mini or e3multi), a low material level alert will appear on the HMI screen. The stir plate operates by placing a magnetic pill into the bottle and setting the speed of the propeller (located internally) on the HMI screen of the e3mini or e3multi. This magnetic stir plate can also use the existing metal ball located within the primer bottle. The stir plate is controlled and powered by 24V from the e3mini or e3multi.




Applicator Track

The Applicator Track can be used to supply a fixed number of Applicators to an exact repeatable location, oriented to the specific dimensions of the part. All Applicator Tracks are intended to orientate Designetics Applicators and should be used with a Designetics dispenser. The gravity-fed unit pushes the applicator into position and the sensors indicate when the track is low or if the applicator is not in proper position for pickup. The track comes with a docking station for a resting position between applications and a tamping station for removing excess material after initial wet out of the applicator.



6000 Handheld Remote

The 6000 Handheld Remote is used in conjunction with the Designetics e3mini or e3multi to provide consistent fluid to a Designetics Applicator. The unit provides a signal, triggering the operation of a pump on the e3mini or e3multi. Fluid is dispensed through the unit by installing disposable tubing, which connects to the pump head of the e3mini or e3multi, through the device.

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