

Positive Displacement 50mL Dispenser

This new dispenser functions as a “real time” fourth axis within the machine.

Unlike air (time / pressure) driven syringes, this system remains unaffected by changes in temperature, material properties, batch to batch viscosity variations, etc.

Better Control = Better Results

Being driven by a brushless programmable motor allows the user to control shot size, dispense rate and volumes directly through the software.

The cartridge dispenser’s programmable motor may be set to automatically “follow” the combined XYZ vector tip velocity. This allows it to speed up and slow down as the machine accelerates and decelerates to ensure the bead with is consistent regardless of the geometry it is following.



RP-1215 Robot with Options

- Laser sensor for part presence and dispense bead inspection.
- Programmable 50ml dual cartridge dispense head.
- XYZ Tip calibration gage.
- Custom quick change fixturing.

Integrated Machine, Software and Controls

Customer required an affordable turnkey process to accurately dispense a two part epoxy to seal silicone rubber plugs to metal nuts presented in trays

The RP 1215 proved to be the ideal solution. With its machine tool like accuracy and performance, it was easily tooled with all of the components required to perform the tasks.

These built in time proven functions and logic ensured low risk, quickly deployed automation.

