

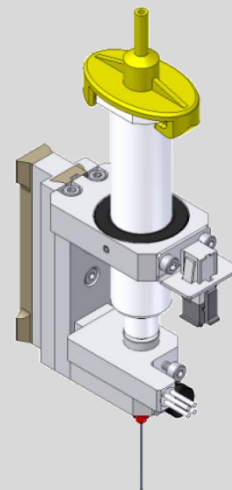
TIME/PRESSURE DISPENSER



Time/Pressure Dispensing relies on an applied air pressure to the top of the syringe to apply material (epoxies, solder paste, and other media) to a substrate during an assembly process. 3 cc, 5 cc, 10 cc, or 30 cc cartridges are supported with a standard Luer-Lok® needle adapter. The dispensing parameters – pressure, dispense time, approach & depart speeds, line speeds, delays - are controlled by the Infotech controllers. Additionally, there is built-in functionality for “suckback” vacuum on the syringe and an optional media heater.

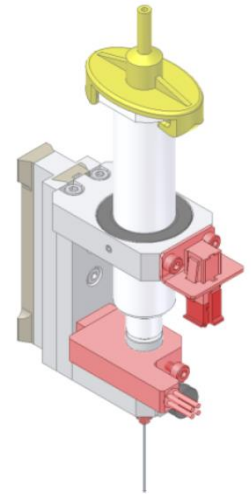
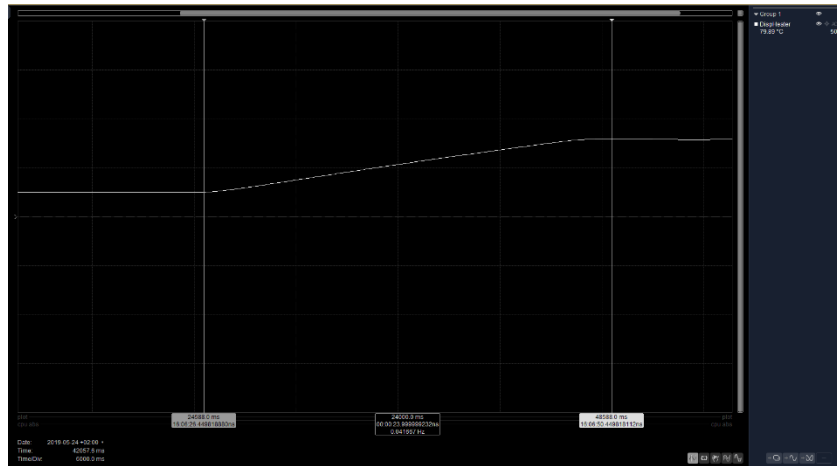
General Specifications:

- Cartridge Pressure: 0 ... 5 bar
- Supported Cartridge Size: 3 cc, 5 cc, 10 cc, 30 cc
- Parameters for Line Patterns:
 - Line Speed (applicable for line pattern) 0.01 ... 250 mm/s
 - Start Delay 0 ... 10`000 ms
 - Stop Delay 0 ... 10`000 ms
- Parameters for Dot Patterns:
 - Dispense Time: ≥1ms
 - Delay Before 0 ... 10`000 ms
 - Delay After 0 ... 10`000 ms
- Optional Heater, Max Temperature: 80°C



Heater:

An optional heater allows for a more controlled dispensing process by maintaining the viscosity of the media. The max temperature for the heater is 80°C. A sample plot to the right shows the temperature ramp of the time/pressure heater from 25 to 80°C.



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