

## **SOLDER PASTE DISPENSING APPLICATION**



**OVERVIEW:** This application is to dispense dots of solder paste on PCB

- Diameter of dot = 0.060"
- Dispense rate required = 2 dots per second

**MATERIAL:** ESP (GLT) solder paste; 6-SN62-221-B (SN62Pb36Ag25)

**PRODUCT:**

- TS3030W XYZ table
- TS5006B-51 valve
- TS20SS-1/2 dispense tip
- TS5100 controller

**SET-UP:**

- Voltage input = 24 V
- Material feed pressure = 12.0 psi
- Dispense gap = 0.020"
- Dispense speed = 2.0" per second
- Dispense time = 100 ms
- Shut off delay time = 20 ms

**RESULT:**

- Shot size achieved = 0.06" diameter dot
- Dispense repeatability rate achieved = 1.60 %
- Dispense rate achieved: 2 dots per second.