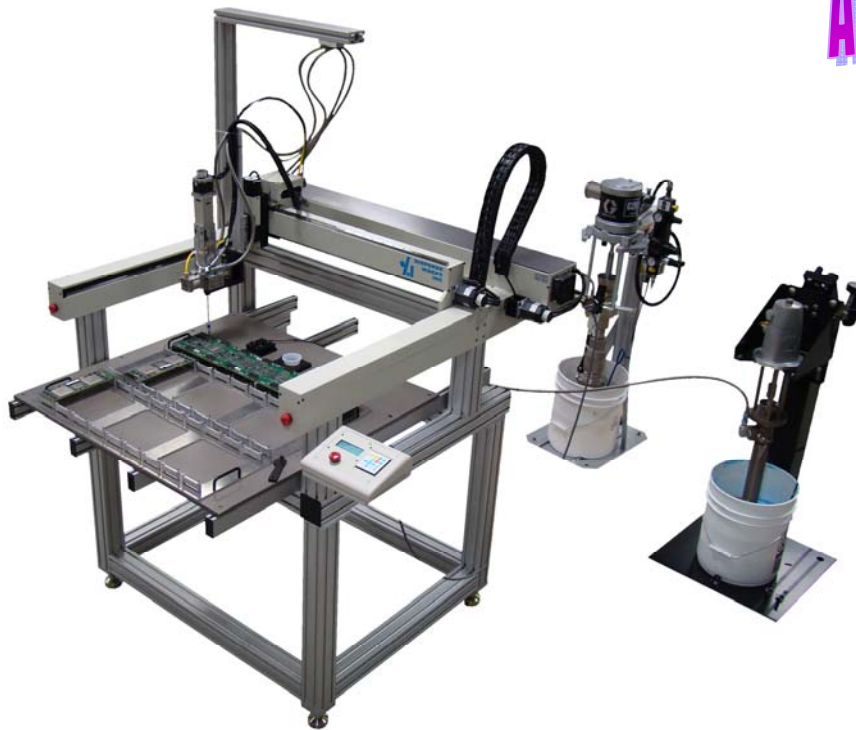




Application Bulletin

3728



2 Part Positive Displacement

A 2 part epoxy required accurate placement in very precise and repeatable volumes onto circuit board components. These consisted of dots arcs and lines of varying geometries.

Dual 5 gallon pail pumps were used to deliver the materials to the positive displacement head which performed the meter / mixing and dispensing operation using the DW Inc 4th axis servo to accurately displace material while “following” the robot’s X Y Z motion path.

The **RG 3030 Robot** is the ideal choice for industrialized applications with it’s high speed / payload capacity. Available in dozens of sizes up to 72” x 120” (X Y travels). The gantry allows conveyor pass-thru designs.

Integrated Tip Locator

The PG-XYZ digital tip calibration gage is mounted to the base allowing the machine to automatically calibrate the dispense tip in the X and Y axes and also the height in the Z axis.

This feature automatically offsets the program to insure that that tip is exactly at the proper position relating to the program. This is helpful in addressing “bent” needle issues.

Pro Pallet System

The Pro Pallet system includes a precision aluminum sub plate with back and side guides, an origin pin and a quick release cam lever.

Two custom machined pallets are included that simply slide in / out, allowing the operator to load & unload one pallet while the other is being run on the machine.

