

Filling, Assembling and Sealing Conductive Ink Pens

This RP-1215 machine was tooled with multiple heads for positive displacement ink dispensing (diving nozzle) along with a custom ball feeder, sealant dispenser and shaker table under the fixture.

Pre loaded leadscrews and ball slides in each axis result in machine tool like performance.

The embedded system includes an on-board digital syringe controller with provisions to control pressure pots, tanks and cartridges.

No external controller or PC is required for operation.

Time Proven Components & Concepts

The custom pen fixture pallets provided accurate line up of components with quick change over to streamline production.

The Synchro Shot positive displacement dispense head allows for “bottom up” filling with controlled motion and volume.

The RP Series’ modular design can accommodate different types of dispensers, multiple heads and sensors along with full vision for path / position correction and after-the-process inspection.

