

Positive Displacement Syringe System



This accurate syringe drive functions as a “real time” fourth axis within the machine and may be set to follow the combined XYZ vector tip velocity of the robot.

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.

Furthermore, the material feed rate will automatically adjust (up or down) based on the current tip speed to ensure repeatable bead widths regardless of the geometry being run.

Large Stable Tooling Mount

The large precision ground machine bed provides a stable foundation for mounting your tooling, rails, vacuum tables, etc.

Pre-tapped mounting holes provide flexibility in mounting and allow quick changeovers when running families of product with different fixturing.

Unlike lesser designs, that move your product in one axis, this design allows your product to remain stationary while the dispenser moves from overhead on the precise XYZ gantry.

