From Valves to Robots, Galil Precision Helps Drive Production at PVA

In PVA spray coating systems, precision is taken very seriously. That’s one reason PVA uses Galil motion controllers to perform key roles in all its systems.

Besides precision, flexibility is what distinguishes PVA systems. This Company seems to be able to do it all when it comes to fluid handling, whether it is dispensing silicones, acrylics, epoxy or urethanes. PVA gives full credit to Galil for helping achieve this flexibility. In fact, PVA calls its Galil controllers “the most flexible motion platform in the industry.”

PVA engineers appreciate the compatibility of the Galil controllers. Says Jon Merrill, “These controllers are easy to use. I like Galil’s ActiveX controls because it makes developing applications easier. It’s also easy to switch between the DMC-1500 and the DMC-2100 because the same Galil programs run on both controllers.”

In the PVA conveyor system, one robot picks up the circuit board, another applies the coating and a third sends the board to an oven for curing. The DMC-1530 and DMC-1540 controllers allow each robot to perform coordinated motion along a three-dimensional xyz path, and a rotational w path.

In this exacting process, positional accuracy, uniformity of the coating and high volume are crucial. Accuracy required is ±0.001 inch. Maximum linear speed is 27.6 inches/second.

Located in Halfmoon, New York, PVA was founded in 1992 by its current president, Anthony Hynes. It began by making high quality valves and then progressed to making robots that incorporate its valves. The company has won the Customer Service Excellence Award given by Circuit Assembly and Technology Forecaster three times. It has also won SMT Magazine’s Vision Award.

PVA Halfmoon, NY www.PVA.net