controller automatically programs the stop to the correct position and the cut is made without human intervention.

Before Galil control, an operator had to use a tape measure to move the stop into position and manually lock it into place. For long lengths, the operator might have to walk as far as 25 feet along the line to position the end stop.

Pistorius machines also have the unique ability to measure and compensate for variations in frame molding width through an auxiliary encoder attached to the DMC-1414. The encoder value represents the width of the individual molding, allowing the operator to create frames based on the glass dimension for the inside of the frame.

Pistorius uses a Galil DMC-1414 in its automated frame joiners, as well. Galil’s controller automatically positions the vee shaped fasteners for joining frames while accommodating different molding types and sizes. The operator simply selects the number of fasteners to be inserted in the joint, sets the spacing between the nails, and the machine is ready. This information is then permanently stored in a Galil array and can be recalled in the future. No complex computer setups are needed. In fact, Pistorius calls it “extremely user friendly.”

Galil has all the features Pistorius was looking for: a built-in controller, servo amplifier, an auxiliary encoder, plus I/O all in one package. The auxiliary encoder measures the molding dimensions. I/O provides additional clamping or stopping to position the saw head. The extra serial port is used for the LCD readout, while the main serial port is used to download programs from a PC. The controller also has position functions to accurately position the framing material.

These features, plus one easy-to-use command language, makes production simple, as does working with a single vendor. As Bernie Kosciuk, a member of the Pistorius engineering team put it, “Galil has it all!”

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Galil controllers brought accuracy and repeatability to the process, at an economical price.