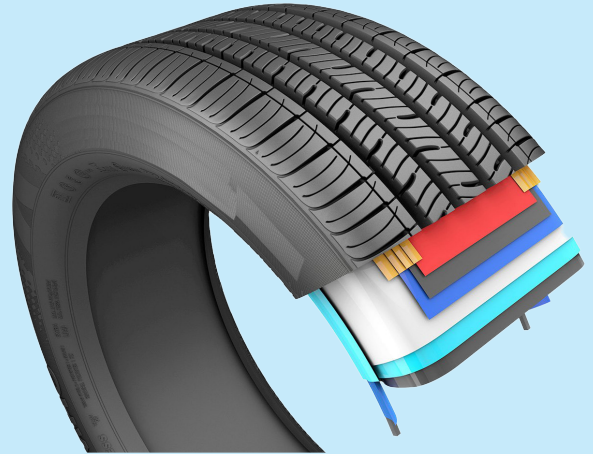


PRESSURE FOLLOWER CONTROLLER

Flexible • Efficient • Automated • Traceable



Small Investments. Big Paybacks.

As we keep pushing tire component manufacturing technology forward older machines are in danger of becoming obsolete. A wide range of equipment upgrade options enable in-service machines to keep pace for a fraction the cost of new machines.

- **Improve Automation:** Cutting labor costs.
- **Speed Changeovers:** Adding manufacturing flexibility.
- **Improve Quality:** Reduce scrap with automated adjustments.
- **Cut Costs:** Less scrap means less material waste.
- **Build Productivity:** Run faster with less downtime.

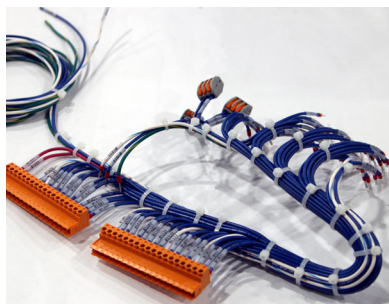
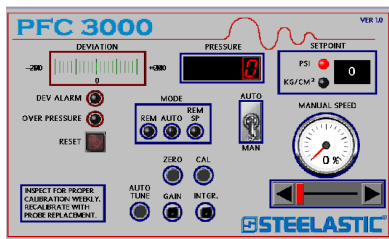
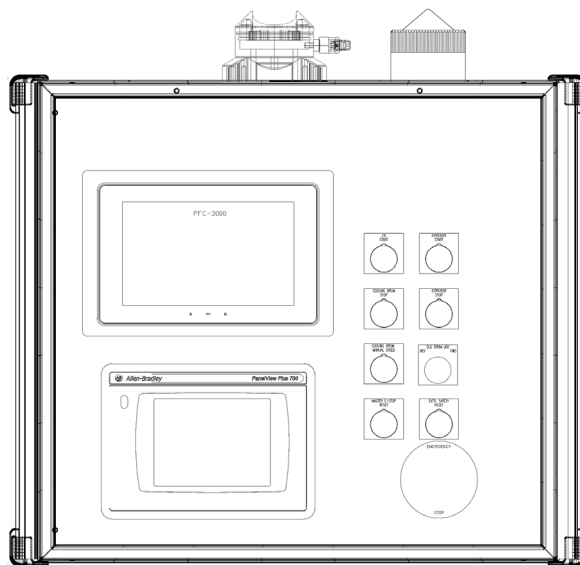
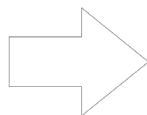
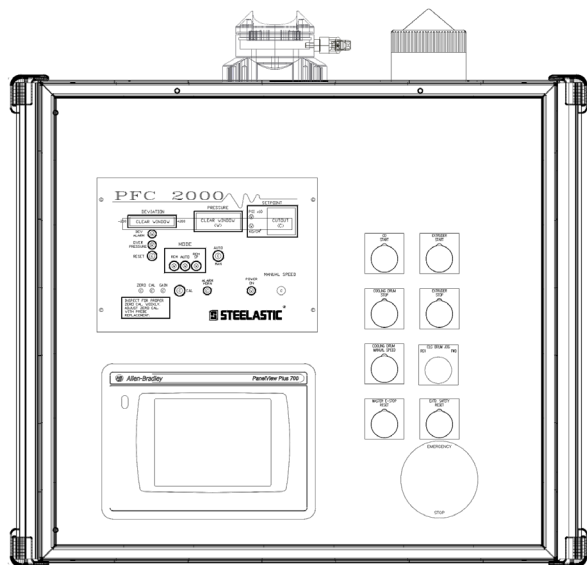


Our pressure follower controller system has become digital! It uses state of the art PLC based technology integrated with a touchscreen to control extruder screw speed in order to maintain pressure with a PID control loop. The system is designed to interface with existing PLC controls and sensor technology to ensure that field upgrades are fast, efficient, and painless. The system comes preprogrammed and includes all IO capabilities. It mounts in the same location as the original PFC. We remain committed to delivering the best quality system upgrades to meet your most demanding production and quality requirements.

- Direct replacement for legacy PFC controllers
- Auto tune feature optimizes the gain settings of the controller minimizing pressure deviation from the set point
- Automatically switches to auto mode eliminating the need for operator to manually control extruder speed when building pressure, switching to auto precisely at the right moment
- Plug and play
- PLC based
- Closed loop automation
- Maintains cord coverage



PRESSURE FOLLOWER CONTROLLER



SPECIFICATIONS

Max Pressure:	280 kg/cm ² [4,000 PSI]
Power Requirements:	120VAC
Discrete Inputs:	24VDC, 3mA max, optically isolated (TB1-1 through TB1-18 and TB2-1 through TB2-4)
Pressure Probe Inputs:	6-lead, strain gauge type, 3.3mV/V feedback, 10VDC Excitation (TB2-5 through TB2-10)
Process Follower Output:	0-10VDC, isolated, into 2k ohm minimum impedance (TB2-11, 12)
Probe Follower Signal:	0-5VDC, isolated, into 2k ohm minimum impedance (TB2-13, 14)
Deviation Alarm Output:	Solid state relay output, 120VAC, 1A max. (TB2-15, 16)
Over Pressure Output:	Solid state relay output, 120VAC, 1A max. (TB2-17, 18)