

Pressure Follower Controller - PFC3000

- Digital • Automated
- Smart

Digitizing Proven Technology

As tire component manufacturing technology evolves, older machines face the risk of obsolescence, increasing probability and duration of downtime occurrences. Steelastic's PFC3000 brings precision and automation to your extrusion process. Our digital solution directly replaces older pressure follower control technology, keeping your existing equipment operational and efficient, without the expense of new machinery.

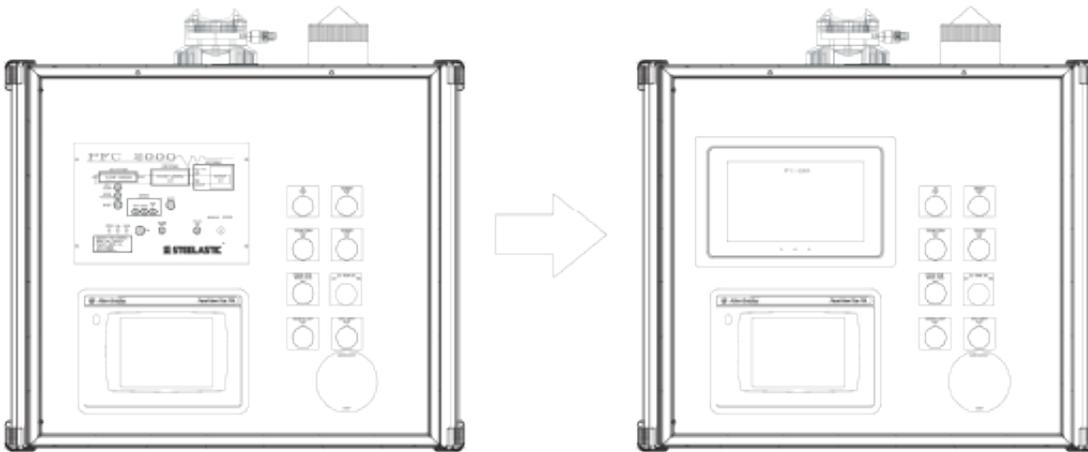


WHAT PFC3000 OFFERS FOR YOUR LINE

- **Auto tune:** Optimizes gain settings minimizing pressure deviation
- **Cut Costs:** Less scrap means less material waste.
- **Increase Productivity:** Run quicker with faster response times.
- **Reduce operator dependence:** Simplifying operation and repeatability

Pressure Follower Controller - PFC3000

Bringing precision and automation to your extrusion process, this PLC - driven HMI touchscreen unit maintains consistent pressure through advanced PID controls, automatically optimizing performance and minimizing deviation and set-up time. With instant auto mode, operators can focus on production, and not have to make manual adjustments to account for pressure variations.



PLC
based



Plug and
play



Closed loop
automation



Maintains extrusion
pressure

Customizations & Options

Stand-alone Option (Dedicated PLC for fast integration to existing systems)

Specifications	
Maximum Pressure:	280 kg/cm ² [4,00 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)

