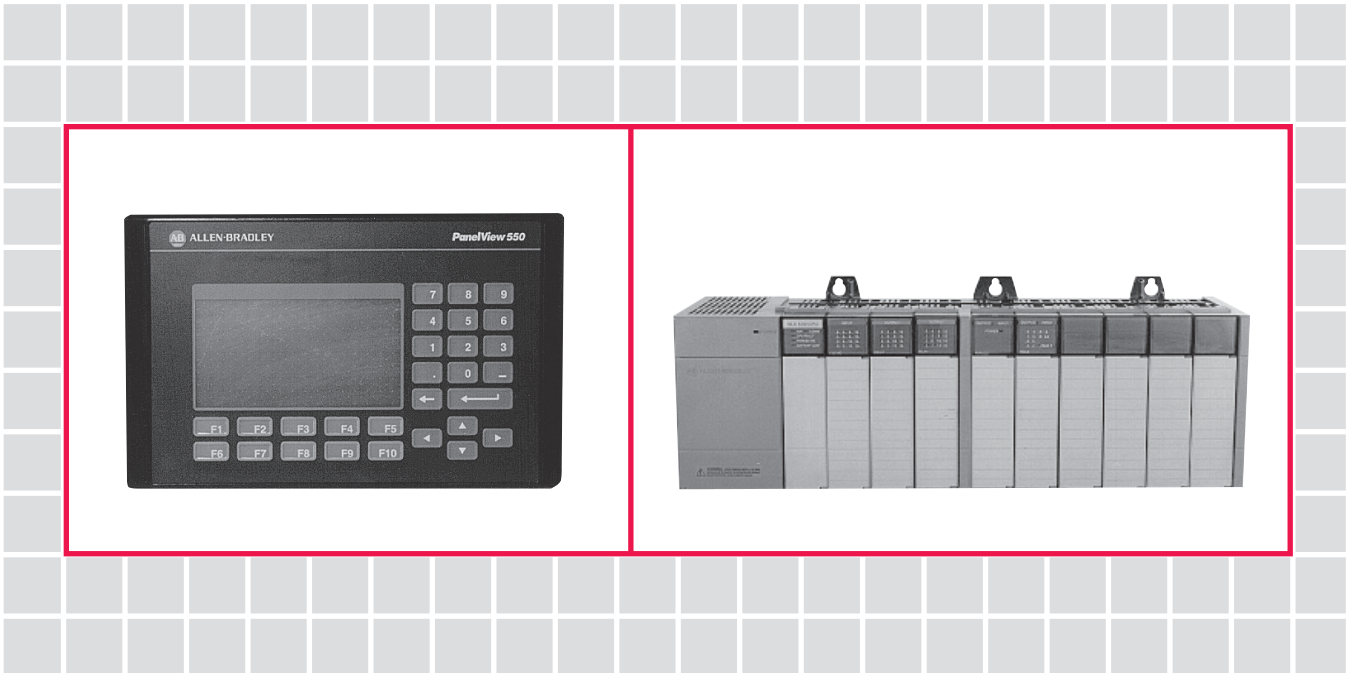


PLC Based Guiding Controls



Designed for unique guiding application problems where specialized, high level control is needed to provide the optimum solution.

The integration of an Allen-Bradley SLC-500 Programmable Logic Controller (PLC) with Fives North American's guiding controls provide a more effective system for controlling unique and difficult guiding applications. PLC based guiding controls can either compensate for or minimize the negative guiding results generated by the following situations: strip camber, time lag, and slow response systems such as fabric lines. In addition, the PLC allows for advanced features such as on-line switching between guiding styles on one system (i.e. from edge guide to center guide or vice versa). The large programmable touchscreen efficiently displays information graphically about the line and allows for operator control without the need for cumbersome arrays of pushbuttons. The ability to network the displays also allows for centralized operator control of any guide from anywhere on the line.

Although the PLC will not be a substitute for good guiding practice, it can, in some cases, greatly improve difficult application problems providing improvements to quality, productivity, and downtime.

Additional Features and Options

Individually tailored programs to match the application.

Wide variety of AC and DC I/O types available.

Battery-backed memory available.

PLC-bypass modes available for easy trouble-shooting or as emergency backup.

A wide variety of fault conditions and status indicators available.

Backlit touchscreen operator interface can be specific to the end user's needs.

One interface can control several guides or multiple operator stations for one system.

On-line diagnostics available via the touchscreen.

While Allen/Bradley is standard, other PLC vendors can be used.

Applications

- Tire cord spreading system for calendar lines and fabric treating lines.
- Camber Compensation system that offsets bad strip shape or other irregularities.
- Recoiling system in which the strip can be guided from either edge or center and can be switched during operation due to strip cutouts, edge wave, etc.
- Slitter/scorer system for center, edge, or line guide control.

Standard Specifications for a PLC-based Guiding Solution

Allen-Bradley SLC-500 Series Controller (standard).

North American Manufacturing Controls.

Panelview 550 displays where needed.

The application will be individually tailored to meet the end user requirements.

Fives North American Combustion, Inc. Guiding Systems

4455 EAST 71st STREET, CLEVELAND, OH 44105 USA
Tel: 216.271.6000 Fax: 216.641.7852

email: fna.guiding@fivesgroup.com • www.fivesgroup.com/fivesna