

SIMPLEX™

Electro-Mechanical Guiding Systems for
narrow web processes



The new simplicity in web guiding systems

- SimPlex is an advanced, totally integrated digital-based guiding system ideal for today's demanding narrow web applications. More compact, smarter, and easier to use, this new generation guiding system provides precise web control while streamlining the tasks of the machine operator.
- SimPlex offers simple setup, calibration, and configuration while offering self-diagnostics and fault annunciation. When power is applied, SimPlex is ready to go. The small, unique operator interface can be easily placed where you need it.

The New Simplicity in Web Guiding Systems

Operator Interface

H6415-DSP

- Simplicity in auto-web setup
- Self-diagnostics w/status messages
- International symbols
- Keyboard lockout feature
- Control from one or two remote locations
- High contrast display
- Flush or surface mount
- Highly compact design



Remote Offset Adjustment

H6415-OFS

- Remotely shift control point
- Feature also available through computer terminal



Controller

H6416-AMP

- Self-diagnostics
- PWM motor drive control
- Two EIA-485 (RS-485) serial ports
- All plug-in connections
- No internal operator adjustments
- System fault relay outputs
- AC servo center command input
- AC line run/inhibit input
- 115/230 VAC switch selectable



Operator Interface

H6421

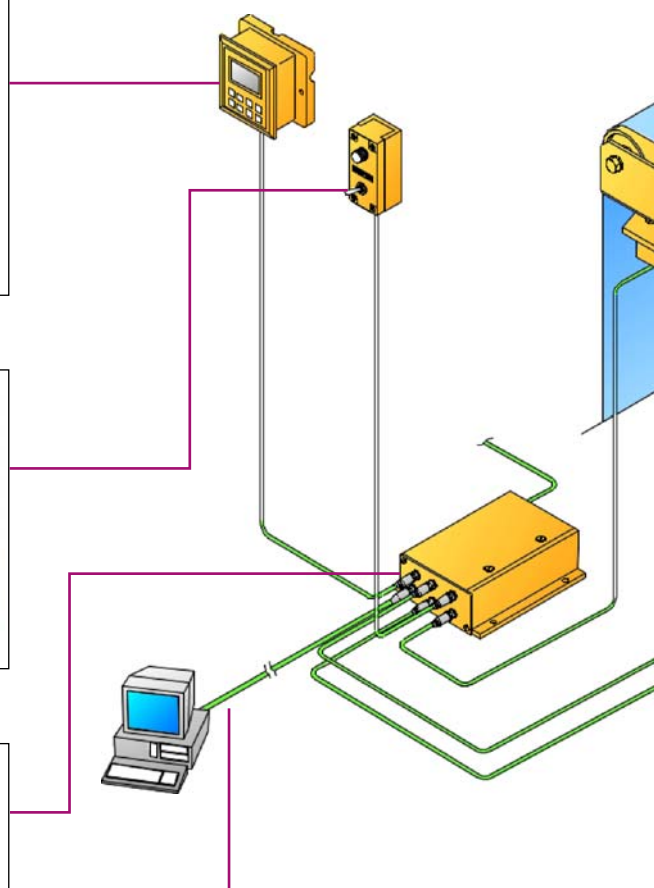
- Controller and display combined
- Operates on 24 VDC power supply
- IP55 rated water- and dust-resistant housing



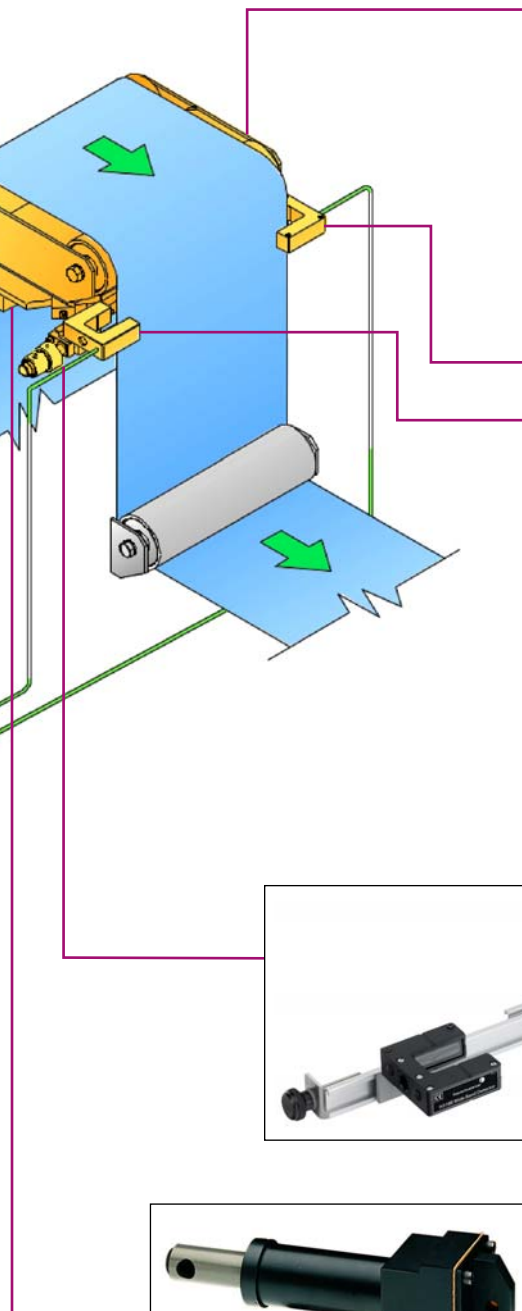
Computer Interface

EIA-485 Serial Link

- Remotely duplicate all functions from operator interface
- Use to complement or replace operator interface
- Allows centralized operator control
- Communicate with multiple guiding systems
- Save and recall web setups
- Perform remote offset
- Display and respond to fault codes



Engineered Solutions for Web and Strip Guiding



Guide Assembly HDNC and HSNC Series

- Rugged camroll support
- Up to 24" web at 10 PLI
- Allows installation in confined spaces
- Extremely low profile design
- Integral servo center sensor
- Displacement and steering guide

Detectors



- Photoelectric and ultrasonic models in a wide range of sizes
- Wide band and spot type photoelectric for transparent and opaque films
- Ultrasonic for light sensitive or printed translucent webs

Line Follower



- Discriminating white light illumination
- Simple one-touch set up
- Allows guiding to printed lines or edge of color contrast on printed webs



Detector Positioner H5559

- Adjusts detector spacing in reference to machine centerline
- Independently adjusts each detector
- Adjusts for center-guide off of machine centerline
- Premounted to guide structure as an option



Actuator H5530C

- 60 lb thrust available at 1.5 inches/second
- Ultra-compact design for tight space applications
- High acceleration DC servo motor
- No maintenance



SimPlex Engineered Solutions

Web Guide and Splice Table



Fives North American provides a new advantage in stream-lining machine design and control. The integrated web guide and splice table design combines two critical functions into one and reduces in-machine web path and redundant idler rolls.

- Combines two processes into one compact package
- Reduces in-machine web path and idler rolls
- Ready to be installed; saves machine assembly time

Available for web widths to 28", the HDNC-style guide design conveniently locates an operator display in the guide frame and within easy reach for an operator. The web clamps are activated by supplied pneumatic switches or solenoids, and a splice tape holder is optimally positioned.

Coupled with SimPlex™ plug-and-play components and one-touch setup, the unit is shipped completely assembled and ready for installation. Designed to easily mount to a machine frame, simply connect air supply and electrical power and the integrated web guide/splice table is ready for use.

Fives North American is the clear choice for your web and strip guiding needs.

Offering you a large array of products and capabilities, and the experience and dedication to deliver services for all aspects of your guiding requirements, FivesNA is the company you can depend on for your specific needs.

- Process analysis
- Engineered solutions
- Quality manufacturing
- Parts and service
- Application expertise
- Robust products
- Start-up assistance
- In-plant training

Fives North American supports your needs by providing responsive application specialists dedicated to web guiding. Our direct sales force is among the most experienced and knowledgeable in the industry, has the ability to analyze individual situations, and offer the optimum guiding solution. In cooperation with a talented corporate engineering staff, FivesNA is ready to provide a quick response to your needs.

Call us and we'll prove it.



Fives North American Combustion, Inc.
GUIDING SYSTEMS

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