

Web and Strip Guiding Worldwide



Integrating experience, engineered services, and technology to deliver the optimal system for you.

Committed to providing innovative solutions in guiding.

A WORLD LEADER IN WEB AND STRIP GUIDING



Fives North American is a premiere provider of innovative, engineered solutions to web and strip guiding users. Our approach is deeply rooted in the clear recognition that Fives North American systems are critical to our clients' quality, productivity, and profitability. We take pride in helping customers maximize their guiding system investment.

Fives North American brings together the experience, services, and state-of-the-art technology to provide the best guiding system for your specific needs.

THE TALENT TO FULLY SUPPORT YOUR GUIDING NEEDS

APPLICATION ENGINEERS

- Each team member brings extensive application experience, process knowledge, and thought leadership to every client
- A legacy of innovation assures challenging applications will be creatively addressed

ENGINEERING and PROJECT MANAGEMENT

- Highly skilled and experienced engineers deliver optimum solutions across new, retrofit, and upgrade applications
- Programmable layout utilizing 3-D parametric modeling enables rapid and economic designs
- Dedicated project managers deliver jobs on time, on budget, and achieve the intended technical quality

FIELD SERVICE

- Start-up commissioning
- 24-hour, 7-day a week technical service and emergency support
- On-site maintenance and troubleshooting within 48-hours
- Service to any location in the world
- Seminars and in-plant operation and maintenance training

CUSTOMER SUPPORT

- Standard parts and components stocked in Cleveland, OH with a same day rapid response program for emergency situations
- Repair capability for standard and custom parts
- Preventative maintenance agreements tailored to customers' requirements

BENEFITS YOU CAN DEPEND UPON



GOAL-DRIVEN SOLUTIONS

Our approach to a customer's problem is personalized and highly interactive. We start by understanding the client's processes and desired goals. We then provide recommendations and augment designs to capture additional benefits. The resulting system is a customized solution that effectively meets the client's needs, built upon Fives North American's deep application knowledge.

SEAMLESS INTEGRATION

For retrofit and upgrade projects, we design products and solutions to minimize both downtime and total installed costs. Our application engineers pay careful attention to the existing equipment and work with our clients to develop an easy-to-integrate solution. In many cases, our systems offer "bolt interchangeability" which saves end users' significant time and money.

For OEM's and line builders, we partner in the machine design phase to ensure our products add value to the system, offer straight-forward functionality, and meet mechanical footprint constraints.

BOTTOM LINE RESULTS

Fives North American helps clients in many industries gain a competitive edge by delivering products and solutions that produce tangible results. Our optimized guiding systems generate greater profits by:

- Reducing material waste
- Improving product quality
- Increasing process line speed

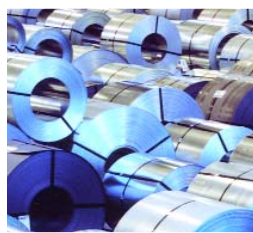
CAPABILITIES FOR YOUR INDUSTRY

North American offers solutions that control substrate material from clear film and paper, to fabric and metals, spanning web widths from 2 inches to 170+ inches, thickness up to 1/2 inch, and tensions from 0.5 lb. to 45,000 lb., with applications covering web alignment, width measurement, and web spreading.



ALUMINUM
BRASS
CARPETING
COPPER
CORRUGATING
FIBERGLASS
LABEL PRESSES
MEDICAL PRODUCTS
PERSONAL PRODUCTS

NICKEL
NON-WOVENS
PACKAGING
PAPER, FILM, AND FOIL CONVERTING
PRESSURE SENSITIVE MATERIALS
PRINTING
STEEL
TEXTILES
TIRE MANUFACTURING



To effectively meet the wide ranging needs of our customers, Fives North American has developed and manufactures the largest array of component products in the guiding industry. Spanning detectors, amplifiers, actuators, hydraulics, spreaders, and guides, Fives North American has a full complement of products from which to create the optimum price/performance solution.



ACTUATORS

A full range of electro-mechanical actuators utilize servo motor technology and provide thrusts from 60 to 15,000 lb.



CONTROLLERS, PLCs, and NETWORK COMMUNICATIONS

The SimPlex™ family features digital control, plug-and-play communication and simple one-touch setup. The H6600 offers PID control and accepts a wide range of input sensors. PLC-based control offered where customers demand line integration. Major industrial network communication protocols are supported.



HYDRAULICS

For medium to high level loads. Complete pneumo-hydraulic and electro-hydraulic systems including cylinders, hydraulic power units, valve stands, capacitive and servo valves with flow capacities from 2.5 to 80 gpm.



SENSORS

A broad line of detectors for material from clear film to textile or tire fabric, to paper and metals. Sensors include pneumatic, reflective, ultrasonic, capacitive, digital LED scanning, pulsed light, and linescan cameras.



GUIDE STRUCTURES

A diverse set of single and multiple roll guide frames ranging from narrow web applications to the most rugged steel process line requirements.



Designs available for face widths from 4 inches to 170+ inches, roll diameters from 2 inches to 60 inches, and tensions from 1 pli to 20,000 pounds in a variety of guide mounting styles.



SPREADERS

SpreadMaster® and System 8000 provide precise control of fabric widths. Proprietary designs include bowed- and straight-roll spreaders, and PLC-based control schemes.



Fives North American Combustion, Inc.

Founded in 1917, Fives North American's corporate headquarters is housed in a 400,000 square foot complex on 32 acres in Cleveland, Ohio USA.

In addition to the leadership status of our Guiding Systems Group, Fives North American has attained a preeminent position in the field of Industrial Combustion Systems, being recognized as one of the most trusted names in combustion worldwide.

Our international operations include Belgium, Canada, France, Netherlands, and the United Kingdom. Additionally, a select group of companies represent and distribute FivesNA products in Australia, Brazil, China, Denmark, India, Italy, Japan, Korea, Mexico, New Zealand, Peru, South Africa, Spain, Sweden, and Taiwan.



Fives North American Combustion, Inc. Guiding Systems

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