

# MICRO4000<sup>®</sup>NET<sup>™</sup>

## for Hazardous Environments



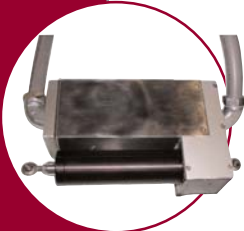
Part of the most advanced web guide system available today

## AccuWeb's leading-edge technology for Class I, Division 1 hazardous environments

The AccuWeb hazardous environment system gives you complete control over web position, despite the presence of flammable or combustible gases and vapors. The system includes an intrinsically-safe edge detector and an explosion-proof or air-purged actuator.

### *The Micro 4000NET hazardous environment system is packed with advanced features.*

Compact purged actuators



- **Hazardous Duty Edge Detectors** — Stahl Intrinsicpak<sup>®</sup> safety barriers limit the amount of electrical energy that can flow into the hazardous environment through the edge detector cables. Energy is limited to a safe level that cannot ignite flammable gas, dust, or vapor mixtures.

Intrinsically-safe dynamically compensated edge detectors



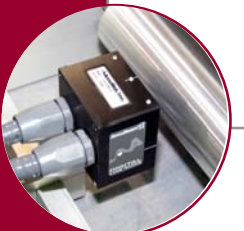
- **Hazardous Duty Purged Actuators** — The purge system continuously circulates clean air through the actuator housing and cable. Positive pressure prevents the accumulation of flammable or combustible mixtures around the actuator motor and cable wiring. A separate return duct and pressure sensor continuously monitor airflow and shut off actuator power in the event of a leak.

Powerful, explosion-proof actuators



- **Hazardous Duty Explosion-Proof Actuators** — These actuators use explosion-proof motors to safely contain accidental combustion of gases or vapors within the motor housing. Available with a brushed DC motor or a high-performance brushless AC motor.

Purged AccuBeam II digital line guide available



- **Accuracy and Reliability** — Dynamically compensated edge detectors continuously adapt to changing environmental conditions and build-up of contaminants on the sensors. Eliminates maintenance headaches caused by constant cleaning and recalibration.

- **Operator Friendly** — Intuitive operator interface with touch pad and LED indicators. The system configuration keypad is located inside the system enclosure, safe from inadvertent adjustments.

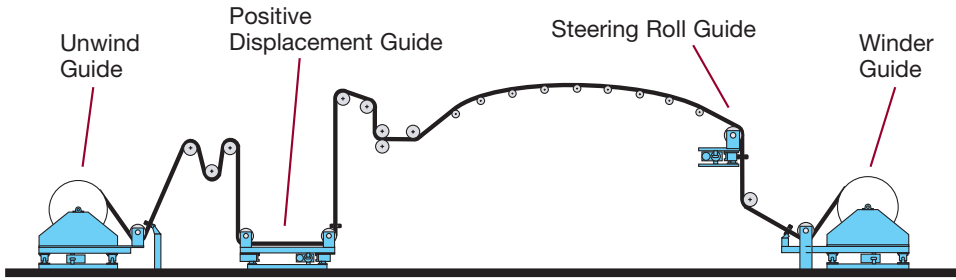
- **Network Friendly** — Optional fieldbus adapters easily interface with most popular fieldbus networks, including ControlNet<sup>™</sup>, DeviceNet<sup>™</sup>, Modbus Plus, Profibus<sup>®</sup>-DP, and Ethernet protocols. Discrete I/O interfacing is a standard feature.

Manufactured in the United States  
under Patents #5,834,877 and #5,274,573



**AccuWeb, Inc.**  
www.accuweb.com

The Micro 4000NET can handle EVERY web guide application



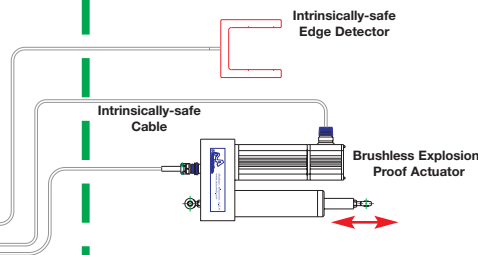
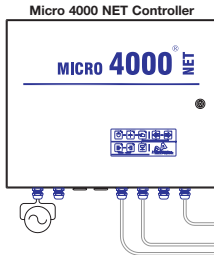
## System Schematics

### Outside Hazardous Environment

### Inside Hazardous Environment

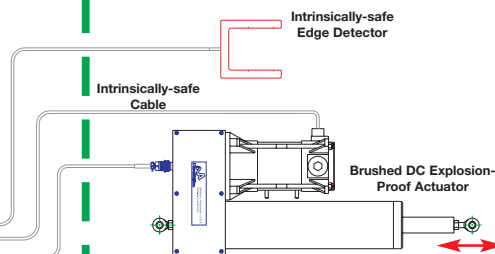
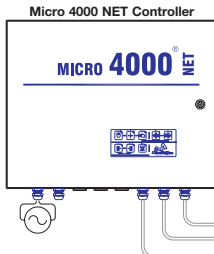
#### Brushless XP System

Maximum Load =  
3,500 lbs.  
(1,590 kg)



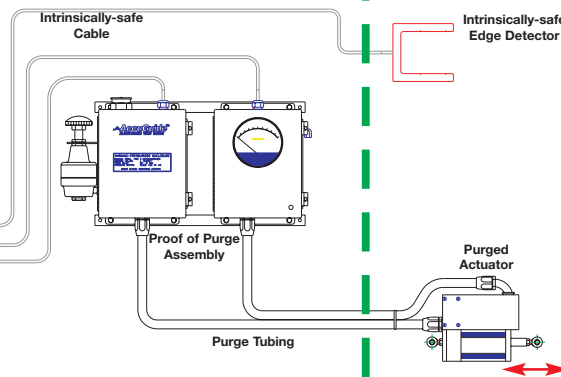
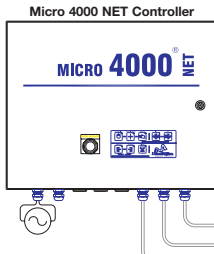
#### Brushed DC XP System

Maximum Load =  
40,000 lbs.  
(18,181 kg)



#### Purged XP System

Maximum Load =  
3,500 lbs.  
(1,590 kg)



You'll always get more value from AccuWeb

- PWM (Pulsed Width Modulated) motor drives for quick, accurate response.
- Compact self-contained design requires no additional boxes or drives.
- Capable of web oscillation, electronic guide point adjustment, web width measurement and web position monitoring.
- Ideal for laminating applications, software controls the positioning of one web relative to another web or multiple webs.

#### World Headquarters

P.O. Box 7816  
Madison, WI 53707 U.S.A.

Phone: (608) 223-0625  
Fax: (608) 223-0074

#### European Sales and Support

Formanguieres 87  
CH-1782 Belfaux/Switzerland

Phone: +41 26 475 5028  
Fax: +41 26 475 5025



Toll free: (888) 422-2893 • Web site: [www.accuweb.com](http://www.accuweb.com)