# MICRO 1000
# WEB GUIDE CONTROLLER

## A compact web guide controller with advanced, easy to use features

The Micro 1000® web guide controller delivers the highest level of web guide accuracy in the industry. It easily interfaces with AccuWeb's dynamically compensated WideArray™ and PointSource™ edge detectors, AccuBeam 3 guide, and light- to medium-thrust AccuGuide™ linear actuators – all in one, compact enclosure.

## The Micro 1000 provides accurate, reliable, cost-effective performance.

- **Digital Speed and Accuracy –** Automatically calibrates the web guide system for environmental changes, web process contamination and web edge changes.
- **Operator Friendly –** Intuitive touch pad interface with LED indicators. Setup parameters are located inside the controller, safe from inadvertent adjustments.
- **No Calibration Downtime –** The system performs continuous automatic calibration of edge detectors through AccuWeb's exclusive dynamic compensation algorithm.
- **Network Friendly –** An optional discreet PLC I/O board allows remote control of the Micro 1000.
- **Easy Installation –** All components are contained within this single enclosure – reducing interconnections and installs easily.
- **Ratings –** Enclosure is rated IP65 for protection from harsh environments, and designed to UL, EUL, CUL, CE and FCC codes.
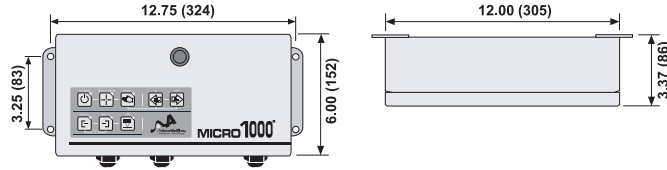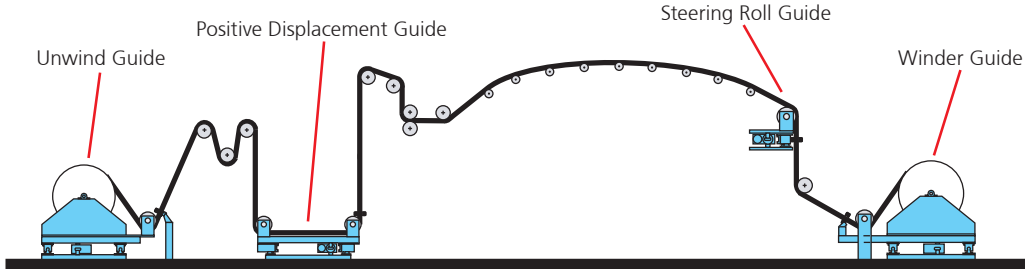
## Specifications

- **Input Voltage:** 90-132 VAC or 180-264 VAC, 50/60 Hz, 1-phase
- **Touch Pad Control Functions:** Edge A Select, Edge B Select, Centerline Select, Actuator Retract, Actuator Extend, Automatic Mode, Servo-center Mode, Manual Mode
- **Enclosure:** IP65 rated, Cam-locked door with double-bit insert key

- **Temperature:** 30°F (0°C) – 125°F (52°C)
- **Interface Compatibility:** Optional PLC I/O board for discrete Inputs/Outputs
- **Options:** Oscillation, Randomization, Chaser/ Slave web guiding, Remote guide point adjust, Remote line guide adjust

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# AccuWeb

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Unwind Guide • Positive Displacement Guide • Steering Roll Guide • Winder Guide

12.75 (324) • 3.25 (83) • 6.00 (152) • MICRO 1000 • 12.00 (305) • 3.37 (86)

| | MICRO 1000 | MICRO 4000 NET |
|---|---|---|
| **System Capabilities** | | |
| Microprocessor-based | ✔ | ✔ |
| No calibration needed | ✔ | ✔ |
| 8-button switchpad with Servo-center | ✔ | ✔ |
| Class I, Div 1 environment capable | | ✔ |
| PWM drive | ✔ | ✔ |
| Adjustable Servo-gain control | ✔ | ✔ |
| Auto-recovery after power interruption | ✔ | ✔ |
| Optically-isolated inhibit function | ✔ | ✔ |
| Optically-isolated fault indicator output | optional | ✔ |
| Drives brushed DC motors | ✔ | ✔ |
| Drives brushless DC motors | | ✔ |
| Compatible actuator maxi load weight | 5,000 lbs. | 100,000 lbs. |
| **Edge/Line Detector Compatibility** | | |
| WideArray® Edge Detectors | ✔ | ✔ |
| High-temperature edge detectors | | ✔ |
| AccuBeam 3 digital line/edge guide | ✔ | ✔ |
| **Network Compatibility** | | |
| Analog signal inputs, signal outputs | | ✔ |
| Discrete PLC I/O Optional | optional | ✔ |
| ControlNET capable | | ✔ |
| DeviceNet capable | | ✔ |
| Modbus Plus capable | | ✔ |
| EtherNet/IP capable | | ✔ |
| Profibus capable | | ✔ |
| PROFINET I/O capable | | ✔ |
| **Web Guide Capabilities** | | |
| Web width monitoring | | optional |
| Oscillation at a static rate Optional Optional | optional | optional |
| Oscillation rate based on line speed Optional | | optional |
| Web randomizer Optional Optional | optional | optional |
| Edge/Line loss detection | ✔ | ✔ |
| Remote guide point adjust | optional | optional |
| Chaser/Slave | ✔ | ✔ |
| Master/Follower | | ✔ |

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