

MICRO 1000[®]

Web Guide Controller



Part of the most advanced web guide system available today

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 all of AccuWeb's dynamically compensated WideArray™ and standard edge detectors, AccuBeam[®] II line guide, and light- to medium-thrust linear actuators — all in one, compact enclosure.

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

Remote guide point adjust station



Dynamically compensated edge detectors



Digital line guides



High performance electromechanical actuators (150 – 1500 lbs of thrust)

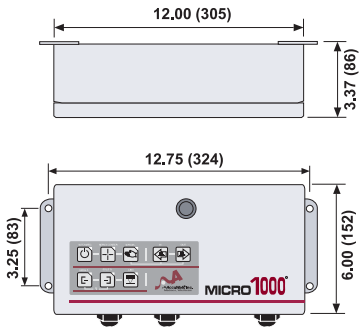
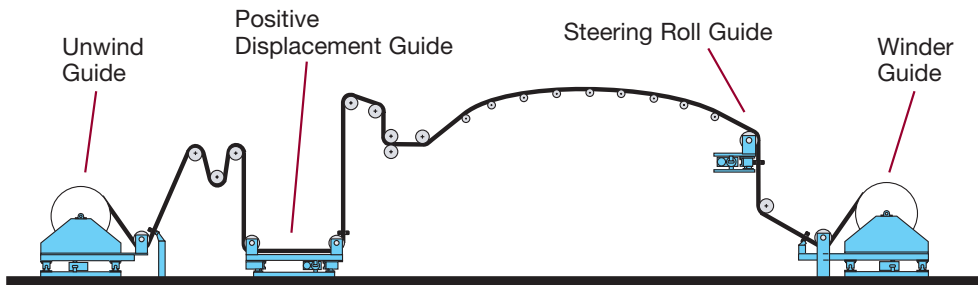


- **Digital Speed and Accuracy** — Automatically calibrates the web guide system for environmental changes, web process contamination and web edge changes every 4 milliseconds.
- **Operator Friendly** — Intuitive touch pad interface with LED indicators. Setup parameters are located inside the controller, safe from inadvertent adjustments.
- **No Setup Downtime** — The system performs continuous automatic calibration of edge detectors through AccuWeb's exclusive dynamic compensation process.
- **Network Friendly** — An optional discreet PLC I/O (Performance Logic Controller Input/Output) board allows remote control of the Micro 1000.
- **Easy Installation** — All components are contained within this single enclosure – reducing interconnections and easily installs on web guide equipment next to the web guide frame.
- **Ratings** — Enclosure is rated IP65 for protection from harsh environments, and designed to UL, EUL, CUL, CE and FCC codes. Reference UL certification at www.ul.com.

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


AccuWeb, Inc.
www.accuweb.com

Common Micro 1000 applications



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
- Chassis mount available

Temperature:

- 30°F (0°C) – 125°F (52°C)

Interface Compatibility:

- Optional PLC interface

Options:

- Oscillation
- Randomization
- Chaser/Slave web guiding
- Remote guide point adjust
- Remote line guide adjust

Controller Comparison

	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 maximum load weight	5,000lbs.	100,000lbs.
Edge/Line Detector Compatibility		
WideArray [®] Edge Detectors	✓	✓
High-temperature edge detectors	✓	✓
AccuBeam [™] II digital line/edge guide	✓	✓
Network Compatibility		
Analog signal inputs, signal outputs		✓
Discreet PLC/I/O	Optional	✓
ControlNET capable		✓
DeviceNet capable		✓
Modbus Plus capable		✓
Ethernet capable		✓
Profibus capable		✓
Web Guide Capabilities		
Web width monitoring		Optional
Oscillation at a static rate	Optional	Optional
Oscillation rate based on line speed		Optional
Web randomizer	Optional	Optional
Edge/Line loss detection	✓	✓
Remote guide point adjust	Optional	Optional
Chaser/Slave	✓	✓
Master/Follower		✓

You'll always get more value from AccuWeb

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

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