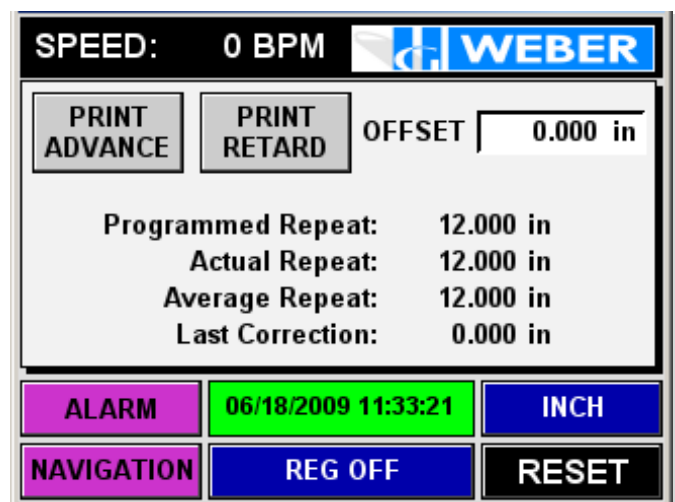


## SERVICE BULLETINS

# Servo-Controlled Drawroll System for variable size bag machines

## Benefits Include:

- ◆ Efficient and simplified changeovers
- ◆ The servo drawroll retrofit package can be added to your machine in the field
- ◆ Reduces overall machine maintenance
- ◆ Allows precise preprint to cutoff registration through photo sensor input to the servo controller
- ◆ Provides multi-axis flexibility
- ◆ State-of-the-art digital servo controller eliminates the need for change gears
- ◆ Eliminates the need for a P.I.V unit and differential
- ◆ Allows running of plain, inline printed, or preprinted materials
- ◆ Includes remote support capabilities



### H.G. WEBER & CO., INC.

725 Fremont Street, P.O. Box 196  
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Service Phone: 920-894-2342  
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### FLEXIBLE PACKAGING MACHINERY

E-mail: bagmachines@hgweber.com  
Web Site: www.hgweber.com

- **Color Touchscreen (HMI)**
  - Provides a simple easy -to-use interface to the system for the operator. From here, all drawroll system functions can be controlled and monitored.
  
- **Registration**
  - Preprinted materials are registered to the bag machine via a teachable high speed photo eye. This photo eye detects the repeating registered mark on the preprinted material. The motion controller uses this information to continually calculate and issue corrections to the drawroll servo motor. This keeps the preprinted material registered to the bag machine.
  
- **Adaptive Gearing**
  - Works in conjunction with registration to automatically adapt to the preprinted material. It accomplishes this by applying the average tube length from registration to the drawroll gearing ratio. This effectively reduces the amount of correction that must be applied to the drawroll servo motor every cycle. The result is less motor heating, less power consumption, and increased mechanical longevity.
  
- **Remote Support**
  - The system can be put on an existing enterprise network via an Ethernet connection on the HMI. From this one connection point, access to the entire control system is possible. Changes can be made to the HMI screens and the motion controller, including real time motor tuning and system monitoring.
  
- **Single Point Application Storage**
  - All application and firmware data for the entire control system resides on one compact flash card located in the HMI. This means that maintenance personnel no longer have to load parameter files or firmware via a laptop when a drive is replaced in the field. All that has to be done is simply set the device's network address via two rotary switches and then power up the system. The system detects new devices on the network at power up and automatically downloads all necessary application and firmware data to the device. This also means that program changes can be made by burning and sending out a new compact flash card for the system. This enables program changes in the field even when a remote network connection is not available.
  
- **Multi-Axis Capability**
  - The control system is completely modular. More axes or I/O can be added at any time. There is no additional motion controller or licensing to purchase, only the motor and drive components necessary for the additional axes.

*Contact the H.G. Weber Service Department at 920-894-2342*

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