

Model: SOM-10N

FLOW WRAPPING MACHINE

From years of experience wrapping difficult multi item kits, George Gordon Associates offers the SOM-10N, Flow Wrapping Machine designed for high speed and high efficiency. The ruggedly built SOM-10N system provides the very best of electronic features to give you control of both your production and maintenance.

Production throughput increases as the communication friendly controller provides complete line supervision. Over 100 recipes for touch screen retrieval makes product changeover as easy as selecting your favorite TV channel. Product position monitoring for out-of-position no-cut is another new electronic feature that means more good packages. This electronic positioning surveillance reduces wear and tear on the machine and makes sure the product to be wrapped is in position for the seal and cut. Package QC options ensure good packages when possible. Preprinted film registration with correction in both directions provides high accuracy and more good packages out the door.

Maintenance planning and control is made easy with additional electronics for on screen preventive maintenance flag and a maintenance scheduling window showing the work needed. The system not only monitors itself but also many auxiliary machines as well. Line diagnostics report exactly where a problem occurs saving troubleshooting time. The modular mechanical design and easy access features simplify keeping your machine at top performance.



Exclusive Features:

- **Precision packaging** with multi-axis servo control
- **Easy operation** with touch screen & diagnostics
- **Save time** with networking connectivity
- **Aid maintenance** with on screen PM flag and monitor
- **No crunch waste** with positioning surveillance option
- **High throughput** with two-direction registration correction
- **Optimum package** with individual fin wheel & crimp servos
- **Precision film tracking** with a servo for each fin wheel
- **Save troubleshooting** with electronic line supervision
- **Fast change time** with over 100 recipes with touch screen retrieval
- **Easy maintenance** with modular snap-in fin wheels
- **Increase change-over options** with modular conveyor
- **Easy access** with hinged pole-mount electrical cabinet
- **High serviceability** with modular construction



GEORGE GORDON ASSOCIATES, INC.

COMPREHENSIVE PACKAGING SYSTEMS



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FLOW WRAPPING MACHINE

The SOM-10N system has full networking capability with fast Ethernet interface for plant networking and remote internet diagnostic support from GGA. The Ethernet option allows connection to the Internet using TCP/IP for remote maintenance and monitoring. The SOM-10N will send production data directly to your collection systems.

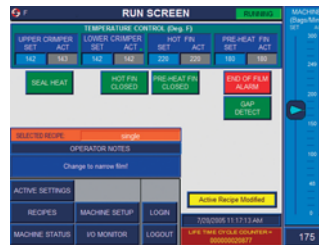
Used for various packaging applications, the SOM-10N will accommodate hi/lo polyethylene film, polypropylene, and many laminates from 0.65 mil up to 2 mil. The powered unwind option allows the use of thin, delicate film, keeping film tension at a minimum while providing reliable operation. The film width may be up to 12 inches depending on the item being wrapped and a 24 inch width model is also available.

GGA's modular conveyor incorporates a carrier chain and the center lug pushers carry each product into the film tube. The modular construction allows easy movement and the ability to change the conveyor style for different applications. Each fin wheel has an individual servo drive and motor allowing programmable film draw for precision tension and tracking control. The tension on the film between the two fin wheels is adjustable with a simple setting on the control panel. The crimper head and knife settings are made with built-in adjustments without shims and while hot.

The simple machine design and rugged, modular construction keeps the ownership cost low, ensuring fast payback. The Model SOM-10N provides a low-cost, compact size, and flexible system, ideal for applications across the packaging industry.



Power Up & Logo Screen



Run Screen

- Monitoring Temperature Settings
- Adjusting Speeds (in Packages/Min)
- Opening / Closing Heated Fins
- Check any operator notes
- Monitor production count



Active Settings Screen

- Setting various machine parameters
- Advance and retard print registration
- Changing product position



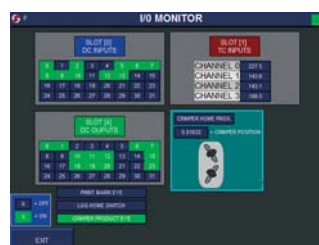
Recipe Management Screen

- Primary controls for managing recipes
 - Save, Copy, Delete, or Create recipes
 - Add recipe specific operator notes
- Give recipes definite names for easier recall



Machine Status

- Fault and Stop conditions are displayed
 - Red blinking circles indicate areas of problems for easier troubleshooting
- From here the Alarm history and Help screens can be accessed to further aid in solving potential problems.



I/O Monitor Screen

System wide monitoring of machine inputs, outputs, and other various parameters.



Machine Setup Screen

- Core machine parameter settings
- Life time machine cycles counter displayed
- Audible alarm control

Precision-built electronics with UL approval and option for CE mark

Full color touch screen operator interface, with diagnostics and line monitoring

Simple overhead film unwind system or powered unwind option

Shimless crimp and seal adjustments

Independent servo drive and motor allows programmable film draw

Precision forming box for easy web setup and control



UL approved control panel with multi-axis servo

Small footprint

Modular conveyor with options to fit the application

Other Wrapping Products: SOM-10NW for film widths up to 24", and the GPS-10N for multi-item kits

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Additional Features:

- Servo follows conveyor for start/stop operation
- Overhead film unwind system
- Speeds up to 400 per minute
- Precision forming box for easy web setup/control
- Adjustable pressure setting for fin wheels
- Precision head for crimping and cutting
- UL approval and CE mark option
- 12 inch web width (24 inch on SOM-10NW)
- Adjustable gap setting for crimpers
- Shimless head and knife adjustments
- Double E-stop; one on panel and one on remote operator station

Options:

- Electronic positioning surveillance
- Powered unwind for thin, delicate films
- Option for web tracking with edge detection
- Single or double unwind
- 1, 2 or 4 up servo crimper head
- Straight or zigzag knife
- Four choices of fin seal
- 4 1/2 or 6 inch crimp width

Technical Data

Electrical: 230 VAC, three-phase, 50/60 Hz

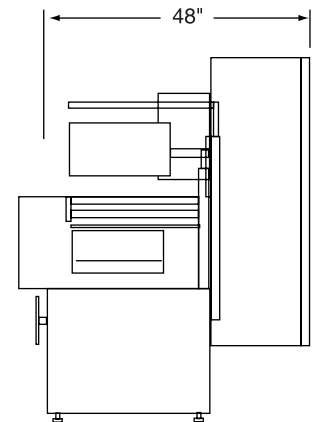
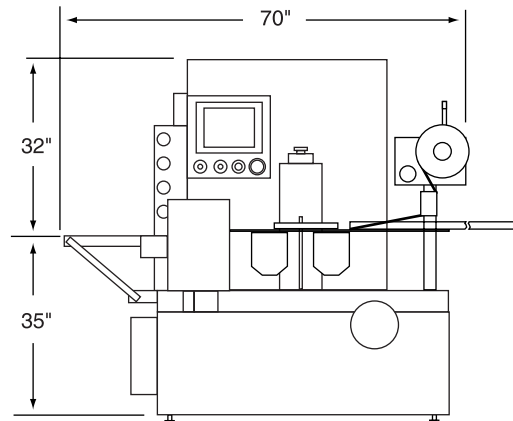
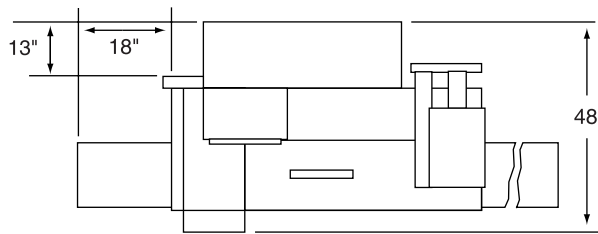
Current: Approximately 40 Amps

Compressed Air: 1 cfm @ 80 PSIG

Production: Up to 400 cycles per minute

Package Size: 1" to 5" in width by 2" to 20" in length

Web Width: Up to 12"



Order Number

SOM-XXX-XX-X-X-XXXXX-XXX

SOM: Flow Wrapping Machine

-10N: Servo controlled 2 to 20 inch cut off

-SO: Single unwind

-DO: Double unwind

-PS: Single powered unwind

-DP: Double powered unwind

-1: 1-Up crimper head

-2: 2-Up crimper head

-4: 4-Up crimper head

-S: Straight cut knife

-Z: Zigzag knife/crimp

-L: 1/8 wide straight line pattern

-I: Inline crimp pattern

-C: Cross crimp pattern

-#: 4 1/2 or 6 inch crimp width

-S: Servo package

-L: 1/8 wide straight line pattern

-C: Cross seal pattern

-I: Inline seal pattern

-K: Crosshatch seal pattern

-M: Modular lug conveyor

#: Number indicates total length

L: With line shaft

0: Without line shaft

#: Flight space in inches

-FDA: Food grade materials touching the product

-ER: Eye-mark registration

-PS: Electronic position surveillance

-WT: Web tracking with edge detection

-AS: Auto splice

-AF: Adjustable former; 3 to 7 inches

-SB: Servo belt infeed

-QC: QC system

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