

SS-16 AUTOMATIC SEALING MACHINE



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GENERAL DESCRIPTION

The model SS-16 is a fully automatic sealing machine using a reciprocating cross sealing section. The machine uses center folded film that is sealed at the edge of the package. Both sealing systems use hot knife Teflon coated seal blades for low maintenance. The cross sealing head travels with the belt conveyor when making a seal and returns to the start position to wait for the next seal cycle. Digital temperature controllers are used for the side and cross seals. An adjustable film inverting head is supplied as standard equipment. The film delivery system uses a two-roller assembly mounted at the rear of the machine at floor level. The web is fed around a pin perforator roller then over a separator bar before it goes through a powered rubber covered pinch roller system. After the film is fed over the film inverting head it is pulled through the side seal/film advance unit, which indexes the film when packages are inserted onto the side seal conveyor.

The operator interface panel is a color touch screen that allows the operator to make changes to the speed, timing functions, in-feed and carriage motors.

DURABILITY

The machine is built with a steel frame that supplies the necessary rigid base for the other components that are mounted to it. All conveyor rollers and seal head support points use sealed ball bearings, which need no further lubrication. The sliding side sealing conveyor is supported on sealed linear bearings.

EASY SETUP:

When the machine is operating satisfactorily the developed program can be stored in one of the program storage areas. The next time the same product needs to be wrapped the program can be recalled with all previous settings intact.

The touch screen panel allows the operator to make a manual seal, jog the film advance unit and run the in-feed. The stop button is also used to reset the machine.

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FEATURES:

The machine's overall speed is dependent on package size, type of film used and how easily the package can be handled. Servo drive motor allows the seal head to be started and stopped at high rates of speed. This reflects in the overall speed of the machine. When the speed of the infeed conveyor is adjusted the speeds of the carriage and belt conveyors are synchronized automatically.

The film inverting head is adjusted by a handle mounted on the top of the slide for height adjustment. The horizontal position is adjusted by sliding the assembly in or out.

The size of the seal area (package width) is adjusted by simply turning a handle on the side sealing head assembly. To the rear of the machine for smaller products or to the front for larger ones.

Sealing head temperature is adjustable. The digital controllers are mounted on the front of the control panel. They display the set temperatures and actual temperatures.

The machine will shut down automatically and the compressed air is dumped from the machine, if any of the guards are opened or E-stops are pressed.

The status of the safety circuit is displayed on the touch screen.

SPECIFICATIONS

Package Sizes:

Minimum: 3" W x 4" L x 1/4" H

Maximum: 16" W (1" H) x 21" L

11" W (5" H) x 21" L

Optional Length to 10'

Film Maximum - 24"

Drives

In-feed / Discharge A.C. VFD

Carriage Servo

Film Unwind/Rewind D.C. Permanent Magnet

Voltage 120/208 Volts Single Phase

Three Wire 20 Amps 60 Hz.

Footprint 68" wide 144" long