



FAB/PH Rotary Blister Sealing Machine shown with 4-cavity sealing fixtures

At a Glance:

- ★ Six-station Fully Automatic Rotary Blister Sealing Machine
- ★ Remote access - Ethernet standard / Wi-Fi optional
- ★ Medium format 14" x 18" sealing area accommodates a wide range of package sizes
- ★ Excellent for high volume OEM's and contract packagers
- ★ Process controls for validation
- ★ Validation port with direct device connections
- ★ USB connection for cycle history download to flash drive
- ★ Heavy-duty industrial design floor model machine
- ★ Automatic tray feeder, secondary feeder & finished package unloader included standard
- ★ Larger standard and custom machine sizes and features quoted on request

Standard Features

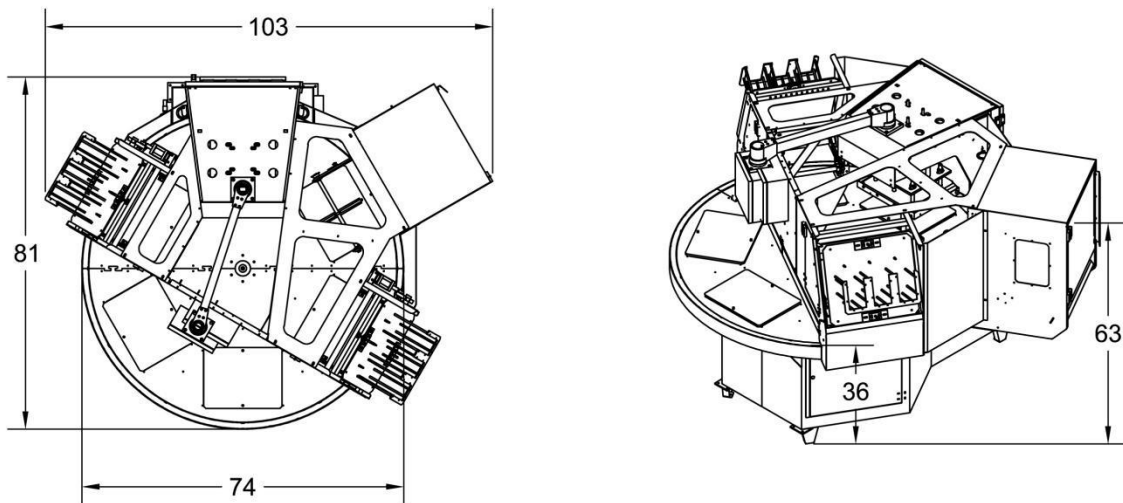
- ★ Programmable logic control (Omron)
 - Intelligent system that allows changes or upgrades from a Starview provided flash memory
 - Ethernet connection to PLC and HMI allows remote access by customer from PC, Laptop, smartphones and tablet devices to HMI screens and PLC functions, and by Starview for program changes, diagnosis or updates when internet connected. Optional Wi-Fi connection available.
- ★ **Color** HMI includes:
 - Time and date displayed on HMI
 - System monitoring page. Heating zone temperatures, system pressure, batch counter and job recipe displayed at a glance
 - Production counter page displays total machine cycles, current job cycles and current job completed packages. Production speeds are displayed in both cycles per minute and packages per minute
 - Machine standby mode. 7-day programmable schedule allows automatic machine start-up and shut down
 - Full Job Recipe storage with memory for up to 100 different recipes
 - History page with last 80,000 cycles stored and displayed with time and date stamp. Stored in machine memory for 300 days.
 - Dual Mode Seal Timer- may be set to start when press cylinder is energized or when press reaches full pressure in sealing position
 - Machine user settings password protected for up to three (3) users
 - Total machine settings including access to calibration “maintenance” password protected (1) user
 - Temperature controllers, digital on screen with alarms. PID controller with auto-tuning feature.
 - Independent heater zones each with individual temperature controllers
 - Temperature readout may be displayed in Celsius or Fahrenheit.
 - Temperature controller can be calibrated from the HMI
 - Heater cartridge failure detection with on-screen alarm and mapping
 - Password protected temperature and timer settings
 - Table speed control
 - Table rotation delay timer
 - Manual / Auto mode
 - Complete manual control of all individual functions for set up
 - Table jog
 - Pressure transducer with on-screen display
 - Pressure transducer may be calibrated
 - Pressure readout-may be displayed in PSI or kPa
 - User settable machine air pressure alarm and cycle stop
 - Machine diagnostics with difficulty location
 - On-screen system errors for troubleshooting
 - Last 7-days alarms stored and displayed with time and date stamp
 - Electrical parts page(s)
 - Pneumatic parts page(s)
 - Mechanical parts page(s)
- ★ Starview exclusive validation and data download panel includes:
 - Control panel mounted in dust tight enclosure
 - Direct connection to each heating zone thermocouple –connector provided
 - Quick connection to air line at pressure transducer to validate-male fitting with flexible tube provided
 - Direct connection to sealing timer circuit
 - USB connection for flash drive to download data history
 - RS-232C real time data output to computer or printer-cable included
- ★ Light Tower consisting of a three-lamp tower mounted to machine with indicators
 - Solid Green Light – Machine running in auto mode
 - Solid Red Light – Machine in emergency stop mode
 - Solid Yellow Light – Machine in stop mode and ready for re-start
 - Flashing Red Light – Machine in maintenance mode

- Flashing Yellow Light – Production Counter has reached set point
- ★ Two-position START/STOP system for Auto Mode
- ★ Emergency STOP push button
- ★ Safety swing gate on rotary switch at exposed entrance and exit of feeders exposed to operator loading stations
- ★ High pressure pneumatic sealing cylinder
- ★ Quick-change mounting for relieved face plates standard
- ★ Hot plate insulator
- ★ Automatic turntable, cam index drive with variable speed AC variable frequency controller
- ★ Rotary table perimeter safety guard
- ★ Two automatic feeders with quick-change mounting for magazine and vacuum plate
- ★ Air knife separator circuit and valves for blister feeder. Requires air knife blister tooling.
- ★ Central miss-feed sensor on vacuum system for automatic feeding stations and finished package unloader
- ★ Quick-connect vacuum tubing fittings on all feeder and unload stations
- ★ Automatic finished package unloading with quick-change mounting for vacuum plate assemblies
- ★ Vacuum Pump with surge tank
- ★ Filter installed in each vacuum line
- ★ Filter, Regulator & Pressure gauge installed on airline
- ★ Safety pressure relief valve on emergency
- ★ Class 100 clean room air exhaust filter
- ★ Easy access through rear of machine for tooling changeover or maintenance
- ★ Welded heavy-wall steel tube construction
- ★ Hard anodized aluminum rotary table
- ★ Aluminum components anodized
- ★ Steel components powder coated white

Specifications

Electrical:	208-230 Volts / 3 PH / 25 Amps
Control:	24 Volts DC
Heating system:	Cartridge type 4.8 KW
Number of independently controlled heat zones:	2
Pneumatic cylinder bore size:	1 Two Stage @ 8"
Maximum air consumption per cycle:	3.0 scf @ 100 psi
Seal area:	14" x 18"
Sealing force:	10,000 lbs. @ 100 psi air
Air inlet size:	1/2" NPT female
Open loading stations:	2
Standard tray depth:	3.0" – See note #1
Standard allowable upward projection:	1.5"
Cycle speed:	Variable 1 to 18 on average
Approximate dimensions:	81"D x 103"W x 63"H
Working Height:	38.0"
Approximate weight:	2,000 LB.
Note #1: For trays over 2.5" deep consult factory for review of tray placement and design for feeding considerations.	

Machine Footprint



Series Description

Starview's FAB/PH Series rotary type heat sealers are designed for medium to higher volume production requirements. These machines may be used for conventional carded blisters, full face blisters and half-clamshell styles as well as applications using medical paper, Tyvek, foils and other heat sealable lidstock. The FAB/PH Series units are available in six (6) and eight (8) station designs. Models are available in standard sealing areas of 14 x 18 inches and 18 x 24 inches. Larger sealing areas are available on request.

Machine Operation

An accurate cam drive indexer is used for precision table position repeatability. Table speed is adjustable. The time interval at which the table indexes is also adjustable to pace the operator(s) who load product(s) as they pass the open stations. Blister(s), trays) or card(s) are fed from easily loaded quick-change feeder magazines. Sealing is automatic and is controlled by the PLC seal timer. Finished packages are automatically discharged from the machine. All FAB/PH Series machines feature automatic system start-up where the stations are turned on at the appropriate interval and an automatic system clear that deactivates the stations in the reverse order. This saves manually turning on each function until the rotary table is full.

Prices and specifications are subject to change without notice.



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