

# Fully Automatic Vacuum Forming Skin Packaging 420 VF Series



## Standard Features:

All Steel Construction  
"Balanced Heat" Oven Design  
Convection Cooled Oven Towers  
Full Manual Override Controls  
High Power P.D. Vacuum System  
Pressure Gauge  
Recessed Instrument Panel  
Vacuum Gauge

Air Filter/Lubricator  
Cantilevered Film Frame  
Efficient Heating Elements  
Heavy-Duty Industrial Finish  
Low Power Usage  
Production Monitor  
Solid State Timing Modules  
Vacuum Range Controls

Automatic Push Button Operation  
Cantilevered Oven  
Factory Set Pressure Regulator  
High Efficiency Vacuum Turbine  
Plug In Relays  
Rapid Cycle Time  
Steel Platen Supports



# **HANNAN**®

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# THE PROFESSIONAL'S CHOICE

The HANNAN® Fully Automatic 420 VF Series Vacuum Forming / Skin Packaging Machine provides the ultimate in versatility by combining two complete vacuum systems, a high volume turbine, and positive displacement (surge tank.) This machine can do the work of two more limited machines. The positive displacement system or a combination of the two systems is ideal for vacuum forming. The two vacuum systems can be operated independently or sequentially all with user friendly controls (no computers to access or program.)

The first step in the development of the HANNAN® 420 VF Series was extensive market research to determine the needs and requirements of the entire industry, from the part-time user to the full-time professional. This data has been incorporated into the design of the HANNAN® 420 VF Series. A research and development program spanning over five decades has resulted in the most advanced and reliable vacuum forming / skin packaging machine available.

## Packaging Made Easy / Packaging Made in America

### INSTRUMENTATION:

- ◆ With the push of a button, a fully automatic sequence produces top quality formed products time after time.
- ◆ Full manual override controls for test and one-of-a-kind samples.

### CONTROL PANEL HIGHLIGHTS:

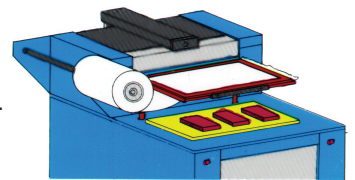
- ◆ Pressure gauge indicates the proper air pressure for operation.
- ◆ Vacuum gauge indicates the amount of vacuum being developed during the vacuum cycle.
- ◆ Vacuum range control regulates the exact amount of vacuum needed for the job.
- ◆ Independent heat and vacuum controls assure precise, consistent cycles.
- ◆ Production monitor automatically keeps track of production rates (push button reset)
- ◆ Indicator lights register all functions.
- ◆ Functional layout, with analog controls, allows easy operation without the need for entry codes or programing.
- ◆ Recessed, yet readily accessible instrument panel aids in quick setup and consistent cycles.

### OPTIONS:

- ◆ Accessory Work Table
- ◆ Hot Wire Cut-Off
- ◆ 2 Roll Film Carrier
- ◆ Special Electrics
- ◆ Variable Heat Range

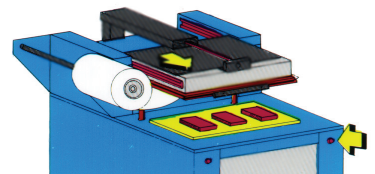
### OPERATION SEQUENCE:

1 - Mold in place and film pre-loaded.

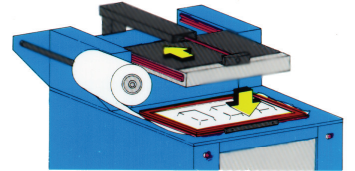


2 - Push start button, an automatic sequence of events follows:

a. Oven extends and heats film.

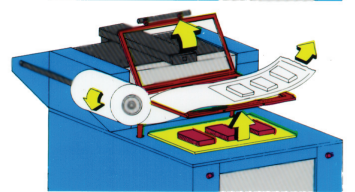


b. Film frame lowers and vacuum systems are activated.

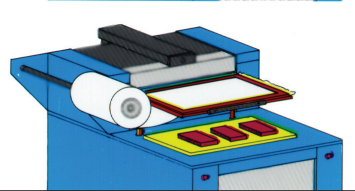


c. Film is formed.

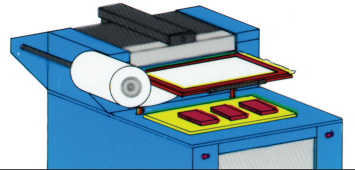
d. Oven retracts.



e. After cooling cycle, blister blow-off is activated and film frame returns to up position.



3 - Open film frame and pull formed material to right and re-clamp frame, film is pre-loaded and machine is ready for next cycle.



### STANDARD MACHINE SIZES:

420 VF-18"x24"

420 VF-24"x36"

420 VF-30"x36"

420 VF-24"x30"

420 VF-24"x48"

420 VF-30"x48"

Film Thickness: 1 To 125 Mil.

Min. Wall Clearance 24"

40 PSI Air Supply Required

Working Height 32"

# HANNAN®

Made in the U.S.A.

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