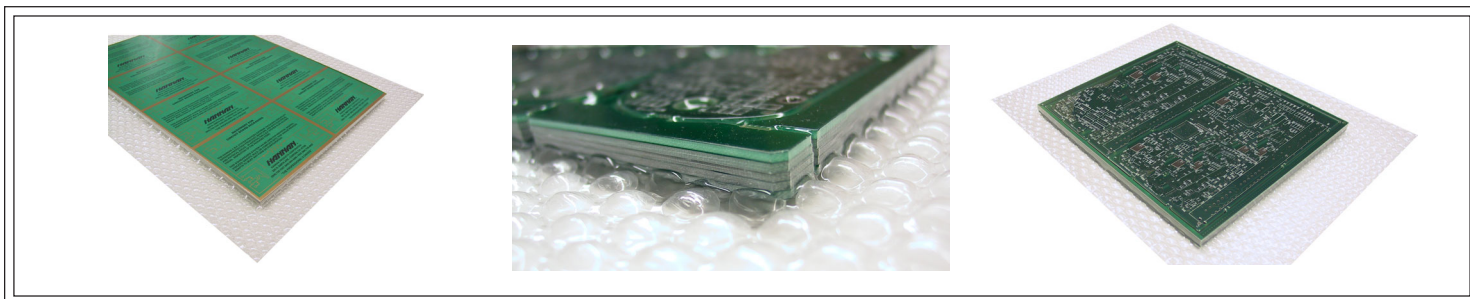


# Circuit Board Packaging Machinery 420 CBP



## Standard features:

Low Power Usage/Rapid Cycle Times  
Cantilevered Oven and Film Frame  
Self Lubricating Film Frame Bushings  
Gravity Down Stroke Film Frame  
High Efficiency "Balanced Heat" Oven  
Production Monitor (Push Button Reset)

Dual High Efficiency Turbines  
Recessed Kick Panel  
Heavy Duty Industrial Finish  
Recessed Instrument Panel  
Fully Automatic Push Button Operation  
Convection Cooled Oven Towers

Full Manual override Controls  
Factory Set (Internal) Pressure Regulator  
Air Filter/Lubricator  
Pressure Gauge / Vacuum Gauge  
Vacuum Range Control  
Self Aligning Oven Drive

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# EFFICIENCY PERFORMANCE RELIABILITY

The 420 CBP Series- The professional's choice for the circuit board packaging industry. The 420 CBP is the result of years of development with extensive research and in field use. The efforts have resulted in the most advanced and reliable circuit board packaging machine available.

Hannan engineered the 420 CBP for simplicity, reliability, and the most efficient use of space and energy. In addition, the 420 CBP is equipped with one of the longest lists of standard features in the packaging industry, including those features most desired by professionals.

Examples of our standard features include:

- ◆ A self aligning oven drive system
- ◆ "User Friendly" controls (no programming required).
- ◆ Cantilevered oven, film frame, and film roll carrier to allow for smooth, efficient production flow and high visibility during the loading sequence.
- ◆ Heavy duty, high efficiency tubular heating elements for long life and immediate heat. (no "heat-Up" or "cool-Down" cycles).

Design concepts and innovations like these, have earned the 420 CBP's reputation as "The Professionals' Choice".

## INSTRUMENTATION

### TOTAL CONTROL OF THE PACKAGING OR FORMING OPERATION:

- ◆ With the push of a button, a fully automatic sequence produces top quality packages time after time.
- ◆ The 420 CBP also features full manual override controls for test and one of a kind sample packaging or forming

### CONTROL PANEL HIGHLIGHTS:

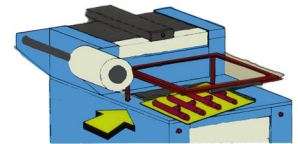
- ◆ Pressure gauge indicates the proper air pressure for operation.
- ◆ Vacuum gauge indicates the amount of vacuum being developed during the cycle.
- ◆ Vacuum range control regulates the exact amount of vacuum needed for the job.
- ◆ Independent heat and vacuum controls assure precise, consistent cycles.
- ◆ 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 programming.
- ◆ Recessed, yet readily accessible instrument panel aids in quick setup and consistent cycles.

### OPTIONS:

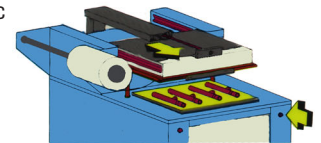
- |                         |                   |
|-------------------------|-------------------|
| Accessory work table    | Hot wire cut-off  |
| Internal air compressor | Special electrics |

### OPERATION SEQUENCE:

1 - Place Bubble Wrap (with products in position) on platen.

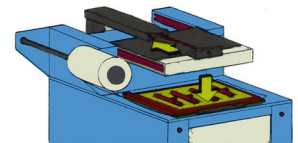


2 - Push start button and automatic sequence of events follows:



a. Oven extends and heats film.

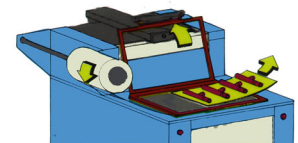
b. Film frame lowers and vacuum turbines are activated.



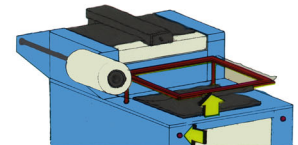
c. Film is sealed to Bubble Wrap.

d. Oven retracts and turbines stop.

3 - Open film frame, pull finished Master Package to right, and reclamp frame. Film is now preloaded for next cycle.



4 - Push frame up button and machine is ready for next cycle.



### STANDARD 420 CBP MACHINE SIZES:

- |         |         |         |
|---------|---------|---------|
| 18"x24" | 24"x36" | 30"x36" |
| 24"x30" | 24"x48" | 30"x48" |

Film Thickness: 3 to 30 mil. Min. Wall Clearance 24"  
40 PSI air supply required Working Height 32"

# HANNAN®

Made in the U.S.A.

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