



Pinnacle & Pinnacle VIP

A cost-effective solution for the direct mailing market

The Pinnacle® inserting system from BÖWE BELL + HOWELL is a computer-controlled, pneumatically actuated and easy-to-use mail inserter designed to enhance the productivity and efficiency of direct marketing mail center. The Pinnacle offers one of the fastest, most cost-effective methods of processing mail, while still maintaining job integrity.

The Pinnacle has the ability to display detailed job statistics for use in job analysis, as well as the ability to save files for future recall, and provides one of the highest ratios of throughput-to-cycling speed on the market. This powerful management tool aids in planning for future production, production scheduling and increased efficiencies, all resulting in lower operating costs.

Added value at a lower cost per piece

BÖWE BELL + HOWELL has combined the base Pinnacle inserter with the cut-sheet feeder module and optional reading technology to create the Pinnacle VIP® inserting system. This enhanced system combines robust and easy-to-use features with time-proven hardware to provide your mailing operation with a higher standard of value, integrity and quality performance.

Features

Pinnacle (base only):

- Six pneumatic gripper arm base
- Turnover or conveyor delivery
- SMART SET™ (System Matched Auto

Adjust Response Technology for System Efficiency Timing) feature enables the speed to be increased and decreased without the need for mechanical changes in the setup parameters

- Auto-calibration of miss/double detection
- Integrated diverter for quality checks and miss/double diverts
- Miss/double tolerance configurable
- Insert station backup on gripper arm miss detection
- Job setup, save & recall through easy-to-use touch screen interface
- Production reporting by job
- Optional digital meter support and other delivery options like stamp affixing and printing

Pinnacle VIP (additions to base):

- Cut-sheet feeder
- Reading technology (optional)
- Processing of up to twelve pages (eight-page maximum for letter or accordion fold; twelve-page maximum for half-fold)
- Accumulation-before-fold capability
- Easy conversion for front or rear mounting for all fold types and address locations
- Standard set integrity functions
- Demand feeding by count or read (end of set logic only)
- Parity
- Envelope marking by read

- Selective inserting by read
- Divert by read

Benefits

- **SMART SET**—Performs machine adjustments by advancing or retarding the timing on the fly to accommodate for changes in machine speed and performance
- **Automatic calibration of gripper arms**—Eliminates manual setup labor for each insert station by allowing setups to be stored as part of the job for later recall
- **Automatic rejects of misses and doubles**—Reduces number of machine stoppages and improves overall throughput efficiencies by diverting questionable mailpieces for inspection
- **Envelope flap opening with air jet**—Reduces jams and allows easy access to materials for removal when necessary
- **Insert station backup**—Reduces occurrences of stoppages for missed inserts by automatically pulling inserts from the next station
- **Insert and raceway adjustments**—Reduces setup time by requiring no tools for adjustment
- **Job setup and storage**—Reduces setup time by allowing jobs to be saved, recalled (at the touch of a screen) and copied onto diskette to be loaded on additional Pinnacle inserting systems (with the same machine configuration)
- **Photocell flap detection**—Reduces envelope stoppages by using photocells instead of moving parts in the flap detection system
- **Pneumatic control of gripper arms and stuffing area**—Provides

for minimal wear, longer system life and fewer maintenance requirements by replacing many of the high-maintenance parts with pneumatics

- **Programmable quality-control diverting**—Allows the operator to inspect the quality of the mailpieces without interrupting production
- **Safety and emergency stops**—Provides immediate system stoppage if the cover is opened
- **Sequential shutdown**—Allows the operator to complete any job in process by sequentially turning off all insert stations and clearing the machine
- **Spray envelope sealing**—Improves dependability of the envelope seal, reduces maintenance and causes fewer jams
- **Intuitive user-control screen**—Simplifies new operator training by using simple icons and graphics for system operation and control
- **Two-button safety start**—Protects the operator from inadvertent start up of system

Specifications

- **Max cycle speed:** 10,900 cycles per hour
- **Throughput efficiency of max cycle speed:** 81%

Envelopes

- **Min:** 3¼" x 6" (83 mm x 152 mm)
- **Max:** 6¼" x 9½" (159 mm x 241 mm)
- **Flap depth:** 1" to 1⅝" (25 mm to 41 mm)
- **Side clearance:** ¼" each side (6 mm)

Inserts

- **Min:** 3" x 5½" (76 mm x 140 mm)
- **Max:** 6" x 9" (152 mm x 229 mm)
- **Thickness:** up to .06" (1.5 mm) for double detection or .08" (2 mm) max without detection

Diverter

- **Max thickness:** ⅜"

Power

- 110 VAC single phase 50/60 Hz, 3 wire, 5 amp (domestic)
- 200-240 VAC single phase 50/60 Hz 3 wire 15 amp (domestic)

Compressed Air

- Six-station: 3.5 CFM 100 PSI

Dimensions

Base machine only

- **Width:** 34" (86 cm)
- **Height:** 46" (117 cm)
- **Length:** turnover – 112" (285 cm), conveyor delivery – 108" (274 cm)

VIP feeder plus open feed section

- **Width:** 20" (51 cm)
- **Height:** 44" (112 cm)
- **Length:** 90" (229 cm)

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P.O. Box 14986
Research Triangle Park, NC 27709-4986

For more information on BÖWE BELL + HOWELL, please call 800-220-3030, email us at marketing@bowebellhowell.com or visit our website at www.bowebellhowell.com