Pitney Bowes

FlowMaster™ 12000 XL
Inserting System for Direct Mail & Low-End Transaction Mail Letter & Flats Applications

Product Description

The 12000 XL builds on the unique engineering design of the FlowMaster 12000 to provide flexible, dual functionality, high speed, highly reliable inserting systems. The FlowMaster 12000 XL provides both letter and flats functionality in a single configuration. It can process #7 through 10" x 13" envelopes at operating speeds of up to 12,000 per hour, and also run in flats-mode at up to 8,000 cycles per hour. The machine has the ability to run consistently with minimal interruptions and limited down time due to features such as the high capacity envelope feeder, and the optimized operation that is gained from the continuous motion of the inserts. The FlowMaster 12000 XL incorporates friction feeders with 'Dynamic Rotation Technology' to accurately feed material into the collator track, where at the end it is inserted into the envelope. Numerous "smart" features minimize set-up time, fault recovery time, and downtime including the intuitive touch screen operator interface.

Standard Features

- **Paper Processing Technology –** The FlowMaster 12000 XL is designed using highly optimized friction feed technology which provides high speed and high reliability in a consistent manner.

- **Processing Speed –** The FlowMaster 12000 XL is capable of consistently running at up to 12,000 cycles per hour in letters mode, and up to 8,000 cycles per hour in flats mode.

- **Paper Inputs –** This system will accept variable inserts, continuous form and/or cut form

- **Envelope Size –** Envelope sizes range from a #7 minimum to a 10" x 13" maximum

- **Enclosure Capability –** The 12000 XL will handle enclosure sizes from business cards up to 9" x 12" including Z-fold, open end, high gloss, CDs and other unusual shaped items.

- **PLC (Programmable Logic Controller) Operating System –** This controller allows the system to intelligently combine inputs/outputs to perform complex jobs and adjusts the system to extreme environmental conditions.

- **Feeders –** Six integrated feeders are standard utilizing Dynamic Rotation Technology. This proven feeding method allows each insert to be stacked as high as 20" for minimized operator intervention.

- **High Capacity Envelope Feeder System –** The high capacity envelope feeder system is capable of being loaded with up to 3,500 envelopes at a time on the horizontal feed table. Actual capacity varies with type of envelope.

- **Independent Feeder Set-Up Feature –** Each feeder can be operated independently from the rest of the feeders for simple and efficient set-ups. Z-folds, open ended, high gloss, curled and odd shaped inserts can be fed from any of the feeders in collated order.

- **Auto Station Backup Capability –** This capability helps reduce stoppages by allowing multiple stations to pull the same insert for larger material capacity and continual cycling of "misses". This enhances net throughput and increases productivity 25-35%.

- **Fault Detect –** Misfeed, out-of-paper, double feed and jam detection are all standard features.

- **Batch Feeding –** Each enclosure feeder operates a batch mode, allowing multiple pieces to be fed from a single enclosure feeder within a cycle.

- **Touch Screen Operator Interface –** The touch screen operator interface is designed to be intuitive

and easy to use. Feeder misses, track jams and even open doors are all signaled to the operator by pictures and words, reducing fault recovery time.

- **Sequential Start/Stop –** This timesaving function allows the machine to be turned on, and each feeder feeds in sequential order ensuring a full collation at start-up. Sequential stop turns each feeder off in order, stops the envelope feeder and turns the inserter off, eliminating the need to clear the track at the end of a job.

- **PMA (Preventative Maintenance Alerts) –** The system alerts the operator to three different levels of scheduled preventative maintenance. When the life cycle counter on the machine hits a predetermined level, an automatic message is sent to the operator, alerting them that a PMA is required. After maintenance is performed, the machine can store the PM history for recall purposes.

- **Production Reports –** Job statistics are tracked throughout the run providing a detailed production report. Machine uptime, downtime, total elapsed time, actual throughput, and all job anomalies can be reviewed at any time throughout the and sent to a local printer at the end of a job.

- **High Speed Belt Turnover –** The FlowMaster 12000 XL has an efficient continuous turnover device which turns the envelope from address down to address up for presentation to a postage meter, ink jet printer or to a conveyer.

- **9' High Capacity Output Conveyer –** This high capacity conveyor allows a larger queue of finished product resulting in less operator intervention and quicker job finish time.

- **Design and Construction –** The FlowMaster has been designed to eliminate machine turbulence and backlash, thereby providing greater longevity to non-consumable parts. Machine maintenance is reduced by utilizing sealed bearings as opposed to soft bushings that require continual oiling. Each machine is assembled by trained experts ensuring that the highest quality standards are met.

- **Approvals:** UL and CE approvals are in process.

Optional Features

- **Cut Sheet or Continuous Form, Dual Accumulator and Fold Input Modules –** The FlowMaster can be interfaced with numerous modular input devices to effectively handle cut sheet, continuous form, accumulate and fold requirements.

- **OMR and Barcode Reading –** Provides the capability to complete fixed or multiple page documents, matched with the correct enclosures.

- **9' High Capacity Vertical Stacking with Offset Sorting Output Conveyer –** This conveyer is available for use on envelope sizes up to 6" x 12". This optional feature is a laborsaving device, which physically separates package breaks allowing the operator to pick up the package breaks from the conveyer and

place them in mail trays or bags. A sort mark is read by the system or an output is sent from an in-line ink jet system. A switch disarms the Vertical Stack Function on the 10" x 13" set-up allowing the same output conveyer to be used for flat size mail sorting.

- **6+6 Option –** This feature allows the user more flexibility by allowing two standard, independent 6-Station FlowMasters to be turned into one 12-Station with minimal downtime. As a result, users thus have 3 different configurations of inserting while only purchasing two inserters.

Configurations

- **Up to 30 Station Systems –** Up to 30 stations can be custom configured (increments of 6 stations).

- **R150 Postage Meter –** The Pitney Bowes R150 postage meter is the recommended meter for postage assignment.

- **Mail Stream Monitor™ –** The Pitney Bowes Mail Stream Monitor can easily be integrated into the FlowMaster 12000 XL to provide monitoring and control of postage expense.

- **Sure-Feed Engineering Inserter Feeders & Addressing Accessories –** The FlowMaster 12000 XL is compatible with most Sure-Feed inserter feeders and accessories.

System Parameters

- **Air Requirements –** 90 PSI 5 CFM

- **Power Requirements –** 220 VAC 25 AMP

Service & Warranty

- **Service –** Service for the FlowMaster 12000 XL is available on a worldwide basis from Pitney Bowes service and support personnel. Spare parts are available through Pitney Bowes offices.

- **Warranty –** Standard warranty is 1 year computer/PLC, 90 day limited parts and service.

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