

The Model 402i Inkjet Bag Coder takes our time tested full-bag coder to the next level by using HP (Hewlett-Packard) high-resolution thermal inkjet technology. This high performance bag coder provides efficient, accurate and reliable code printing for the seed and feed bagging industry.

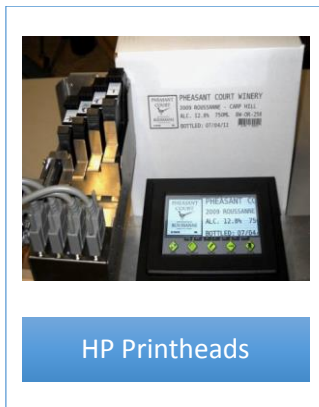
You can now pre-code your seed and feedbags with important information such as lot information, variant, and quantity, placing codes anyplace on a bag. The Model 402i offers your company exceptional automation and will be the workhorse of your seed or feed operation for years to come.



FEATURES OF THE 402i INKJET CODER

- **Manufactured and Supported in the USA:** The Key-Mat Brand Bag Coders have been providing Customers with exceptional reliability, safety and performance since 1971. All of our machines are designed, manufactured and supported in the USA. We adhere to all OSHA safety standards.
- **Stand-Alone Model or Fully Robotic System:** You can choose to purchase the base Model 402i Inkjet Coder or expand the unit to a fully robotic infeed system. This build as you go approach allows you to scale up your coding efforts as your operation grows.
- **Bag Code Design Software:** All the software you need to design bag codes is included in the solution. You can use your PC or the machine based controller to adjust text, logos, QR codes, barcodes, lot, variety, location and any other information you need in your codes.
- **Portability:** The Model 402i is mounted on a four post stand with locking wheels (included) and can be easily moved from location to location. It has folding panels that make it easy to adjust to your bag size, feed the coder and move the machine through standard 36-inch commercial doors.
- **Key-Mat Traction Feed Coder Head Technology:** The Model 402i coder head uses rubber-driven feeder technology that pushes your bag directly within millimeters of HP inkjet heads to give you up to 600 DPI resolution on your seed bags.
- **Positive Pressure Keep Clean System:** The Model 402i uses a positive pressure, keep clean system to protect your HP inkjet heads. This system pulls air from outside through a high-efficiency particulate arresting (HEPA) filter prior to passing the air past the ink jet printing heads.
- **Snap-In Ink Cartridges from HP:** The Model 402i uses snap-in ink cartridges that come in many different colors and ink varieties that can be optimized for paper, polypropylene, polyethylene and plastic. Cartridges that connect to a bulk ink reservoir are also available.
- **Network Interface:** The Model 402i comes with a standard Ethernet network interface that allows you to establish network connectivity to the coder. This feature allows you to transfer bag codes directly through your network to the coder eliminating the need to manually transfer codes to the machine.
- **Integrates with Pilot ERP Software or Other Database Systems:** The Model 402i is designed to work stand alone or can pull information directly from Pilot ERP Software to provide you a single expandable data solution for your bagging operation.

- **Print Codes Anywhere on the Bag:** Exclusive to the Model 402i, the HP print heads are adjustable for the full width of your bag. This allows you to put a lot of information directly on your bag. You can place codes at any location on the bag and are not restricted to the top of bag (bag lip).
- **High Resolution and Economy:** The Model 402i prints up to 600 DPI (Dots per Inch) which is very high-resolution for the bagging industry. With higher resolution you are able to put more information in a smaller area on the bag.
- **Bar and QR Codes on Bag:** The Model 402i lets you add Bar or QR Codes directly into your bag codes so that these codes can be scanned with a standard scanner. These codes can also be used by Customers to lookup your variety.



BENEFITS OF THE 402i INKJET CODER

- **Increase Productivity:** Through automation and data connections the Model 402i allows you to achieve productivity gains as an organization. The Model 402i works a lot like your desktop PC printer – you just load up to 200 seed or feed bags into the coder and a few minutes later they're done! Your bagging staff will be able to do more bagging and do it faster than ever before.
- **Better Accuracy:** With government requirements requiring more information on seed and feed bags, the Model 402i delivers! The inkjet technology allows you to deliver more information per square inch anywhere on the bag than anyone else in the industry. With our database connection tools you can obtain information directly from your software programs.
- **Perfect for Coding on Multiple Seed Bagging Lines:** The Model 402i delivers an advanced coding solution capable of handling multiple bagging lines. As more seed company's transition to bulk bags, building a high speed inline solution is hard to setup and costly. The quick setup and precise Model 402i can be used as a centralized coding solution for one or more bagging stations. It's also perfect for re-bagging operations.
- **Put More and Higher Quality Information on the Bag:** By design, inline bag coding devices are limited to the lip of a bag but not the Model 402i! The Model 402i lets you expand codes to anywhere on the bag! This allows you to add more information up at up to 600 DPI on the bag, eliminate bag tags and expand information as regulatory agencies require more and more information.



Model 402i Inkjet Coder

- More Versatile than In-Line Bag Coders:** The Model 402i can handle itself as a high speed bag coder and as a bonus it can apply codes anyplace on your bag! The Model 402i can place automated codes on Craft Paper, Polly Bags, Light weight boxes and many more items. As the seed and feed industry changes, your operations needs the quick and easy to use Model 402i.
- Saves Labor Costs and Better ROI:** When you load 200 bags into a Model 402i (with the robotic feeder) you can walk away and let the job complete automatically. Over the course of one year this can save your operation thousands of dollars in labor! Just by running your coder you can recover your investment in no time at all.
- Smarter Investment:** The Model 402i grows with your operation. It can handle low or high volume runs. High resolution codes can be placed anyplace on the bag and the entire machine can integrate with database systems. With the Model 402i you can handle complex bagging information with precision and accuracy.

Specifications

Coder Type	Flat Bag Type HP Coder
Code Location on Bag	Anywhere on Seed or Feed Bag
Weight:	245 LBS
Width:	63 Inches
Length:	72 Inches
Coder Stand Type	Included (Movable with locking wheels)
Bag Capacity Without Robotic Feeder	1 Bag Per Trip – Manual Feed
Bag Capacity With Robotic Feeder	200 Bags
Resolution:	150 to 600 DPI
Bags Per Minute	30
Bags Per Ink Cartridge	21,000 (At 300 DPI with Average Codes)
Maximum Capacity Bags Per Day	30,000
Electrical	110V AC
Network Connection	Ethernet
Code Design Software (Runs on Separate PC)	Included
Label Transfer Method	Jump Drive or Text Message (Option)
Code Transfer Method	Optional Code Software
Maximum Bag Size	34 Inches (Length)
Type of Bag	Paper, Polly and BOPP

OPTIONS AND ACCESSORIES

- **Automatic Robotic Bag Feeder:** The Model 402i comes with a manual feed tray that you can use to slide your seed bags into the Key-Mat Coder. The Automatic Robotic Bag Feeder replaces the manual feed tray, accommodating up to 300 bags at a time using vacuum robotics to load standard seed or feed bags into the Model 402i.
- **Onboard Air Compressor:** The robotic bag feeder works with compressed air. An automatic compressor capable of continuous operation can be built into the robotic system for a small fee. This compressor is designed to ensure correct air flow for constant operation of the Model 402i.
- **Remote Coding Software:** The connection software used to link your Model 402i to Pilot ERP Software can be added to your coder allowing you to change information such as Variety, Lot Number, Volume, Seed Counts, Weight, etc. on the fly without changing the code label.
- **Bulk Ink System:** For Customers who will use the Model 402i in a high volume application (more than 3,500 bags per month), a bulk ink system is available. This increases the ink well and ink is delivered through specially configured cartridges.
- **Height of Desired Ink Code:** The Model 402i can print high resolution codes across your bag and is limited from ½" up to 2" high. The height of the code is determined by the number of ½ inch HP inkjet heads and are controlled together to form the code height.
- **1 Year Warranty:** All Key-Mat Coders come with a one year warranty covering parts and manufacturing defects. Extended warranty options, up to 4 years, are available for purchase during the first two years of your initial purchase.
- **Batch Bag Counter:** You can add a batch display and counter that interacts with the bag coder. This device automatically counts the coded bags and interrupts the coding cycle when bag numbers are reached.

CONTACT



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Dealers

Key-Mat Products are sold through our experienced Dealer network. To find a Dealer in your area, contact info@key-mat.com or visit www.key-mat.com