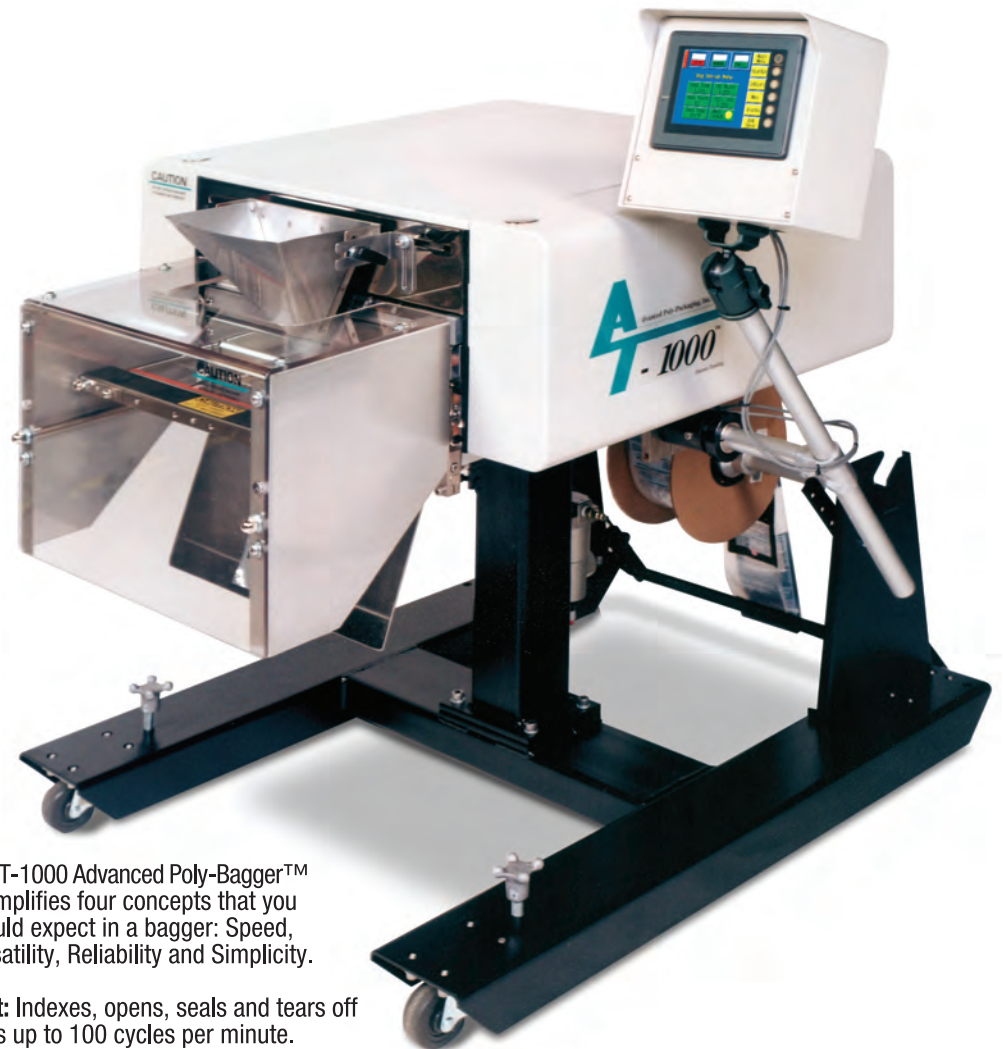


T-1000 Advanced Poly-Bagger™

Because the list of applications for this bagger is endless, it is not surprising that this is our best selling machine. The T-1000 is designed for virtually any non-liquid products, including fasteners, hardware, injection mold parts, kits, crafts, most non-powdered foods, medical devices and more!

In addition to the most basic model, shown below, we offer many configurations of the T-1000 described on the pages that follow. Patented "Next Bag Out" printing is available.



The T-1000 Advanced Poly-Bagger™ exemplifies four concepts that you should expect in a bagger: Speed, Versatility, Reliability and Simplicity.

Fast: Indexes, opens, seals and tears off bags up to 100 cycles per minute.

Versatile: It will accept nearly any pre-opened poly bag on a roll and seamlessly integrates with our scales, counters, conveyors and bags. The T-1000 is ideal for short runs, where product, bag size or print changes are performed in minutes. Also, the small footprint design includes rugged casters for easy movement around your plant.

Reliable: High quality design, parts selection and craftsmanship make the T-1000 ready for a rigorous manufacturing environment. Our baggers are built for continual use with minimal maintenance.

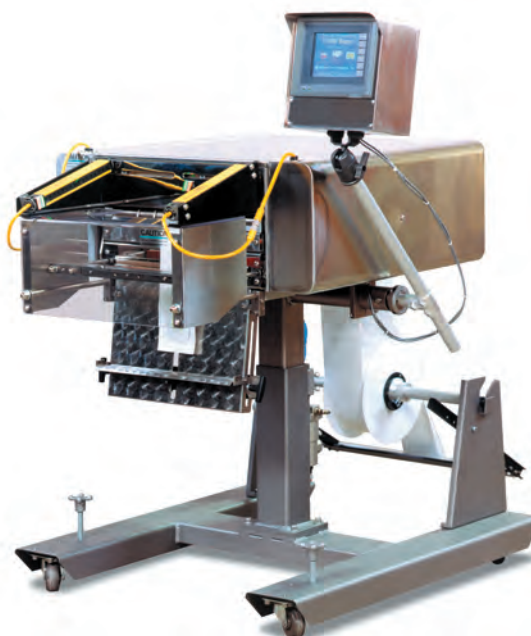
Simple: You can drop the product and press the foot switch to trigger the sealer, but most people are amazed at the ease of automation through touch screen programming that allows operators to save dozens of settings for future runs.

Configuration Samples

The T-1000 Advanced Poly-Bagger™ can be configured for various types of applications. You can benefit from the engineering of our most popular bagger, but with the advantage of the machine being configured to better fit your needs. Check out some of the most popular T-1000 configurations:



Standard T-1000 with basic Printer Option & Partition Table

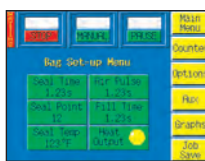
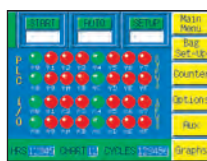
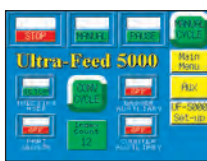


Medical or Clean Room Bagger with Standard Safety Options

See more configurations, pp. 18-19

Special Features

- **Touch Screen Interface Panel:** The fully-adjustable, user-friendly panel controls operation of the bagger or all system components; pop-up troubleshooting screens identify operation messages and occasional fault conditions; technical assistance screens provide access to INPUT/OUTPUT IO without removing covers.



- **Recipe Management:** With optional intranet connection for back-up or production management.
- **Teflon Shield™:** This patented feature extends Teflon life up to 10 times standard sealers by keeping it away from the heater when not sealing.
- **Energy Conservation and Component Saver:** Components not being used are turned off to save energy, extending the life of those components.
- **Anti-Jam Device:** Detects obstructions in the seal area, automatically reverses the pressure bar and stops the cycle operation.
- **Counters:** 1) **Preset Counter** - allows bagger to stop when predetermined count is reached. 2) **Totalling Counter** - reset this counter each shift or each day to record packaging over a period of time. 3) **Continuous Strip Counter** - set the number of bags not separated at the perforation to feed in a continuous strip. 4) **Maintenance Counter** - total machine cycle counter for preventative maintenance/component inspection intervals.

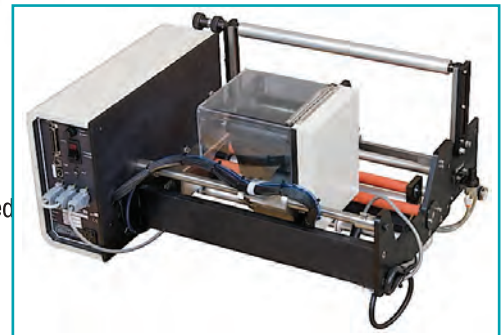
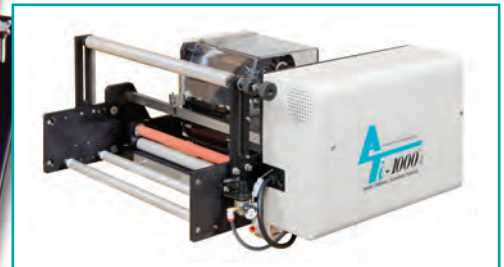
T-1000 Options & Accessories

Ti-1000Z Inline Thermal Transfer Printer

The latest in print head technology! The printer incorporates Zebra's latest Higher Performance series print engine. The printer is perfectly integrated into the bagging operation with touch screen control over the entire bagging and printing system. It has the graphic capability to print bar codes, text, lines, logos and other custom graphics directly on the poly bag.



Shown here with our T-1000



Special Features:

- Prints up to 14" per second (10" max suggested for printing on poly bags)
- Format labels up to 4" x 12" at 203dpi
- Fixed data label save/recall option (no PC required)
- Flexible connectivity, including simultaneous Ethernet, USB or Parallel connections

Available Options:

- 300 & 600 dpi print head upgrade
- Print head element out feature
- ZebraNet Wireless Plus Print Server (with radio card)
- ZebraNet Internal Print Server 10/100 Ethernet connection
- 64MB Flash memory with ZPL II & XML
- 64MB main logic board upgrade
- SP-10 Spare Parts Kit
- RAP print registration, film accumulator for increased production

Specifications:

- 15" Web pass-through
- 16 MB SDRAM, 8 MB Flash memory
- ZPL, ZPL II & XML programming languages
- "Ribbon Out" & "Bag Out" photo sensors
- USB 2.0 port, high speed bi-directional IEEE 1284 parallel interface
- Mounting brackets, interface cables, regulator, 10' printer cable (USB), operation/parts manual, one year limited parts warranty (60 day print head warranty).

Printer Accessories



Ribbons and Labels: Ribbon in stock for most APPI printers in addition to Datamax, TEC, Zebra, APS, Comstar, Geo and more. Our thermal transfer printer ribbon is specifically engineered to print to Pre-Opened Advanced Poly-Bags on Rolls and other roll stock.



Barcode Verifiers:

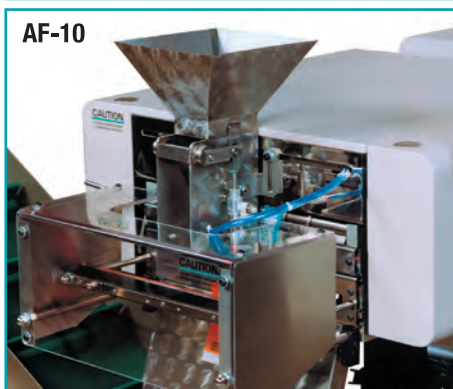
Choose from pen-style or portable desktop verifiers. Randomly inspect quality or command a detailed analysis. Printer available for hardcopy record of test results.

Although the T-1000 is extensively equipped with a multitude of standard features, a full range of auxiliary options and equipment can easily be added for special purpose packaging or to improve your packaging operation:



Funnels, Standard and Custom: Order funnels that are in stock at all times with sizes ranging from a 1" opening to a 7" opening. Custom funnels are also provided to facilitate loading. Having the proper funnel and bag size for your product is very crucial to an efficient operation.

Funnel Kit: Purchase all funnel sizes (13 total) for the price of 10 funnels. Quick release knobs allow instant funnel changeovers.



AF-10

AF-10 Accumulating Funnel: Pneumatic gate increases the speed of automatic operations by "staging" the product immediately above the bag opening. When the bag is ready to receive the product, the gate opens, enters the bag, and maintains the bag opening to reduce product spills.



CF-10

CF-10 Counting Funnel: Add a photo array to the AF-10 funnel for inline bagging operations. Counts product as it enters the funnel; pneumatic funnel causes separation between counts for continuous feed operations.



LS-10

LS-10 Load / Support Shelf: Supports the bottom/back of bag during loading of heavier or bulkier products. Pneumatically operated, adjustable shelf provides support and takes the initial impact of heavier products dropping into the bag. Shelf tilts downward after sealing, dropping product from shelf. Various length for longer bag sizes.

LSV-10 Vibratory Shelf Attachment: "Taps" the bag to settle product to the bottom of the bag. Pneumatic operation with speed controls. LS-10 option must be previously installed or purchased with the vibratory shelf attachment.



LC-10

LC-10 Light Safety Curtain: An OSHA approved safety device that restricts the cycle operation of the bagger when the optical detection field is obstructed. LC-10 option is recommended when the funnel is removed and the product is loaded directly into the bag. Increase production by 40% by turning on the "auto" feature to cycle the bagger on the trailing edge of the light curtain input signal. Lockout key is provided to prohibit by-passing this safety feature. Excellent option for hand loading operations.

T-1000 Options & Accessories *continued*

DF-10



DF-10 Diverting Funnel/Bag Counting Option: As finished bags are sealed and dropped from your bagger, they can be counted and redirected at the end of each preset count. With a two box system, the bags are directed into “box A” until the final count is reached. Then the diverter rotates, directing the bags into box B allowing the operator time to remove, seal and replace box A. Includes diverting/rotating attachment, photo array, brackets and counter controls. (UF-2000 Incline Conveyor sold separately.)

PT-10

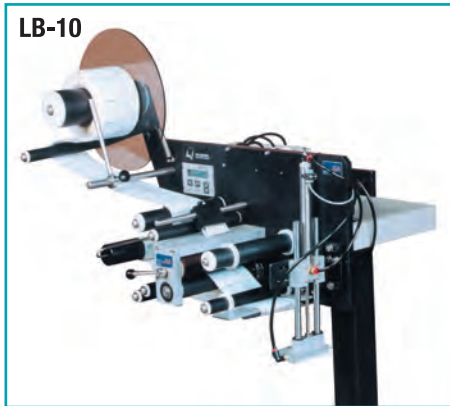


PT-10 Small Partition Table (36” wide): Stainless steel partitioned utility table keeps products separated for manual kit packaging. Adjustable tilt and height with up to five compartments.

PT-20 Medium Partition Table (48” wide): Stainless steel partitioned utility table with up to six compartments.

PT-30 Large Partition Table with Stand (60” wide): Stainless steel partitioned utility table with up to eight compartments.

LB-10

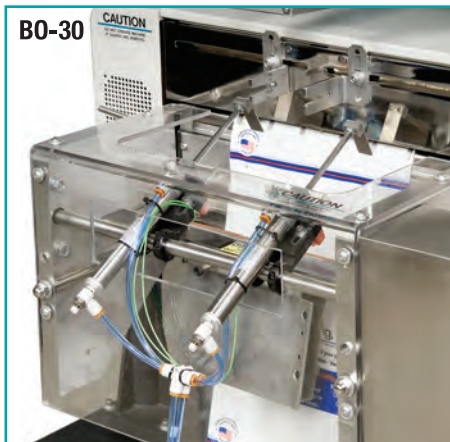


LB-10 Label Applicator Attachment: Apply preprinted labels inline while bagging. Labels are accurately dispensed onto the bag from an air vacuum grid with $\pm 1/32$ ” dispensing accuracy. Also *Print and Apply* labels with our thermal transfer printer/label applicator. Print up to 305 dpi on labels from $1/2$ ” x $1/2$ ” up to 4” x 6”.

LB-20 Print & Apply Label Applicator Attachment: Print on demand and apply labels up to 5” x 6” to the bag.

Further specifications available upon request.

BO-30



BO-30 Bag Opening Device: The most reliable way to make sure your bag is in position and ready to receive product!

- Validates opening to save product
- Larger opening than with air to force a wider, more consistent opening

BO-30A: Adjustable Bag Opening Device. The same features as the standard model, but also offers adjustable width and depth – no tooling required for quick bag size changes.



PB-20

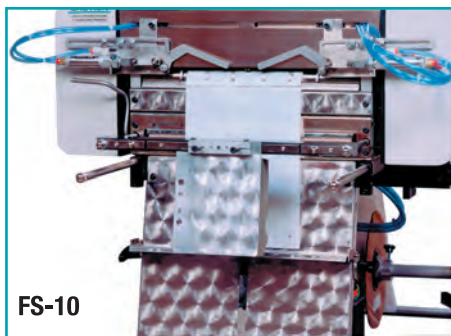
PB-20 Dual Optical Palm Buttons: OSHA-approved safety device. Two optical “no-touch” buttons must be pressed simultaneously to initiate the cycle operation of the bagger. If the two sensors are not pressed at the same time, the bagger will not cycle, ensuring that fingers or hands cannot be in the seal area. Recommended when no funnel is present.



SP-10

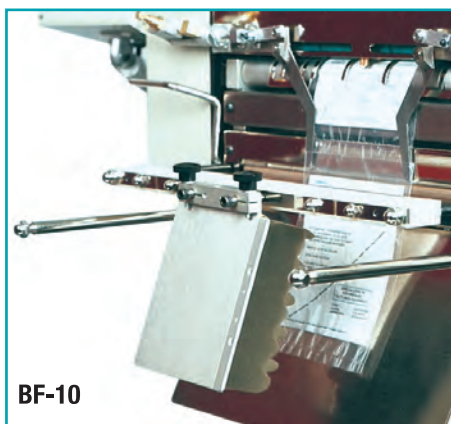
SP-10 Level 1 Spare Parts Kit: Kit contains day to day normal wear items. Teflon, filter, fuses, seal rubber, and heater cartridges identifies some items in the kit.

SP-20 Level 2 Spare Parts Kit: Additional items not projected to fail but due to the cost of lost production, are required to prevent down time. Valves, cylinders, circuit boards, and a touch screen are some of the items included in this kit.



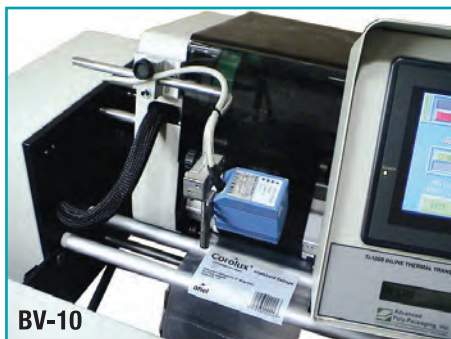
FS-10

FS-10 Flat Seal Assembly: Decreases the possibility of wrinkles in the seal area while increasing seal integrity. Pneumatically operated opposing “fingers” pull each side of bag taught above the seal area to flatten the seal area.



BF-10

BF-10 Bag Deflator: Removes excess air from the bag. Sponge or rubber loop deflators push the air out just prior to sealing.



BV-10

BV-10 Barcode Verifier: Verifies that barcodes on preprinted or thermally printed bags are readable and stops the cycle operation when a non-readable barcode is detected.

More T-1000 Options:

AD-10 Point of Use Air Dryer: Filter 99% of liquids from your plant air with this dryer component. Liquids are then automatically drained before entering the pneumatic system increasing component life.

BO-10 Bag “Out” Sensor: Detects the last bag off the roll and shuts down the bagger, while alerting the operator of the fault condition.

BO-20 Bag “Open” Sensor: (AF-10 Funnel required.) Detects whether the bag has properly blown open prior to the product entering the bag.

CS-10 Compartment Seal Option: Separate two products in one bag by creating a seal between two compartments. After the first product is loaded, press the foot switch to seal the first product in the bag. Then load the second product, and press the foot switch to index the bag and seal the bag a second time above the second product. The bag is then detached and another bag is indexed into the loading position.

IF-10 Insert Funnel: For products affected by air flow, an insert funnel provides a solution. After the bag has been blown open, the funnel enters the bag, holding it open so air can be decreased or shut off. The funnel enters past the seal area decreasing the potential of seal contamination. Ideal for granular type products.

OFS-10 Output Fault Signal Option: Signal is provided to advise third party equipment that a fault condition (i.e.: out of bags, jam detection, printer error) is present on the T-1000 bagger and to cease production operations. Audible or visual signals can also be provided to alert the operator.

QC-10 Quick Roll Change Option: Additional roll shaft and roll chucks. By having a full roll shafted, the operator can perform roll changes quickly and immediately when the bagger is out of bags.

TS-10 Trim Seal Assembly: Trims excess film from bag above seal to enhance the appearance of the package (retail products).

TW-10 Twin-Seal Option: Automatically seals the bag a second time, 3/4” from the first seal to increase bag integrity.

Bagger and Printer Comparison Charts

To assist in selecting the right bagger or printer for the job, the following information is provided:

Description:	T-200	T-275	T-300	T-375	T-1000
Bag Size	2" x 2" - 11" x 16"	2" x 2" - 11" x 16"	2" x 3" - 11" x 16"	2" x 3" - 11" x 16"	2" x 3" - 14" x 30" Standard 4" x 6" - 18" x 36" Wide
Standard Options	Limited: Bag deflator	Bag deflator Counting funnel Compartment seal	Bag deflator Counting funnel Compartment seal	Bag deflator Counting funnel Compartment seal Thermal Transfer Printer	Many standard and custom options
Seal Bar (Bronze)					15" Standard/18" Wide
Advantages	Economical Small footprint Tabletop Auto-seal	Economical Small footprint Tabletop Auto-feed Auto-seal	Economical Small footprint Tabletop Auto-feed Auto-seal Auto-tear off	Small footprint Tabletop Auto-feed Auto-seal Auto-tear off Printer- NBO	Small footprint Fully automatic operation Auxiliary infeed High output
Versatility	Limited: Lighter products Manual loading Manual bagging	Limited: Lighter products Manual loading Semi-auto bagging	Lighter products Auto loading Auto bagging	Lighter products Auto loading Auto bagging Auto printing	High versatility: Auto loading Auto bagging Auto printing
Applications	Small kits Literature Sample products Parts cage	Small kits Literature Sample products Parts cage Electronic parts Molded parts	Small kits Literature Sample products Parts cage Electronic parts Molded parts	Small kits Literature Sample products Parts cage Electronic parts Molded parts Medical products Prescriptions	Small-large kits Literature Sample products Electronic parts Molded parts Medical products Clothing Anything but powder and liquid
Product pass through					4-3/4" Standard/7-3/4" Wide
Production	5-15 bags/min.	10-30 bags/min.	25-30 bags/min.	20-25 bags/min.	Up to 75 bags/min.
Integration	None	Minimal Parts counting, or weighing	Some Applications Parts counting, weighing, infeed conveying	Some Applications Parts counting, weighing, infeed conveying	Full

Machines include, where applicable: Touch Screen, Funnel, Foot Switch, Guards, Manual, One Year Parts Warranty

Description:	Ti-1000Z	Roll-a-Print Series	T-375 Next Bag Out	T-1000 Next Bag Out
Print Head	4"	4"	4"/203 or 305 dpi	4"/203 or 305 dpi
Print Speeds	4", 6", 10"/sec. 203 dpi 3", 5", 8"/sec. 300 dpi	3", 5", 8"/sec.	3" - 10"/sec.	3" - 10"/sec.
Print Area	4" x 12"	4" x 12"	4" x 12"	4" x 12"
Weight	40 lbs	200/265 lbs	N/A	N/A
Dimensions	23" x 13" x 16"	32" x 44" x 30"	N/A	N/A
Ribbon width	2" up to 4"	2" up to 4"	2" up to 4"	2" up to 4"