

Automated Order Checking System for Drive-Thru

AUTObag is a proven solution for assuring order accuracy in drive-thru. Developed to improve customer satisfaction, AUTObag removes human error from drive-thru by providing a final automated check of assembled orders, alerting crew of missing or extra items in bags. AUTObag raises service awareness and makes the crew's job easier and less stressful. It is an effective tool for improving order accuracy without increasing labor costs or service times.

Proven Benefits

Key benefits experienced in drive-thrus equipped with the AUTObag system include:

- Improved drive-thru order accuracy
- Improved customer satisfaction
- Significant reduction in customer complaints
- Reduction in time on servicing customer complaints
- Eliminates the need to double-check orders



How it Works

AUTObag works on the principle of weighing the order. Thanks to our patented algorithm, the system can reliably detect missing or extra food items in a bag by total order weight. Each food item's weight is pre-programmed into the system. Order bag(s) are placed on the scale (items that are not normally placed in bags are not included in the process). The system compares the actual order weight to a computed or 'expected' weight, and displays the result to the operator.

P.O.S. System Compatibility

On it's own, AUTObag is compatible with any P.O.S. system that can drive a receipt printer. AUTObag can also be integrated into your P.O.S. system, providing benefits like easier database maintenance. Integration means your P.O.S. software has been modified to include the AUTObag item-weight database and algorithm in it's software. Check with your P.O.S. vendor to determine if this has or can be done with your system.

Operational Process

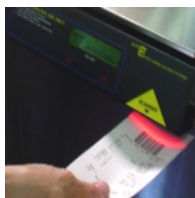
In actual use, the AUTObag system needs to know *what* order it is weighing and *when* the order is on the scale, ready to be checked. AUTObag makes this process very fast and simple, allowing crew to use the system without any significant training. The order is normally staged on the scale, bag(s) closed, by the runner. The presenter then triggers the system to check the order without looking in the bag(s). The system indicates the result both visually and audible within 1 second.

AUTObag System 4

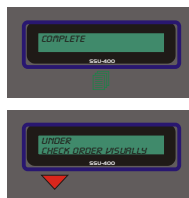
The AUTObag System 4 is operated by scanning a bar code printed on the customer receipt. The bar code tells the system how much the order should weigh. It is intended for use in drive-thrus that provide customer receipts at the presenter window.



1. Order bag(s) are placed on the scale.



2. Operator scans bar code on customer receipt with built-in scanner.



3. System indicates the result visually and audibly.

System Selector Guide

Use the chart below to determine which AUTObag system may be appropriate for your restaurant. This is only a guide. Many factors must be considered selecting the system that will work best in your drive-thru. For this reason, our representative will conduct a thorough review and evaluation of your restaurant operations, layout and P.O.S. system capabilities to determine the right system for your restaurant. Frequently asked questions regarding system support are answered in the bottom section of the chart.

Identify your P.O.S. capability	INTEGRATED WITH P.O.S. SYSTEM (P.O.S. system supports AUTObag)		NO P.O.S. INTEGRATION (P.O.S. system does NOT support AUTObag)	
	Choose your receipt policy	Receipts printed in presenter booth	No receipts printed in presenter booth	Receipts printed in presenter booth
System required	AUTObag System 4 SA Stand-alone Scale/Scanner	AUTObag LT SA Stand-alone Scale	AUTObag System 4	AUTObag LT
CPU Module required?	NO	NO	YES	YES

DATABASE MAINTENANCE/ SYSTEM SUPPORT				
Identify your P.O.S. capability	Central Menu Management (no on-site POS programming)	Each P.O.S. programmed individually at each site	All	All
Database programmed by...	Same as P.O.S. system Item weights are entered into P.O.S. No AUTObag programming req'd.	Same as P.O.S. system Item weights are entered into P.O.S. No AUTObag programming req'd.	Manager, Service Provider or Central Menu Management	Manager, Service Provider or Central Menu Management

SYSTEM F.A.Q.				
How is the system updated?	Same as P.O.S. system	Same as P.O.S. system	via 3.5" floppy disk	via network file transfer
Who updates the system?	Same as P.O.S. system	Same as P.O.S. system	Restaurant Manager	Manager, Service Provider or Central Menu Management
What software is required?	None	None	dbEdit for Programmer only	Any spreadsheet software for Programmer only

Site Requirements

Physical Requirements

The system consists of a scale unit (and CPU module if required). The scale is located on the assembly cart in drive-thru, and requires approximately 16 square inches of space on the top of the cart. The CPU (if required) is normally located under the scale or printer.

Staffing / Positioning Requirements

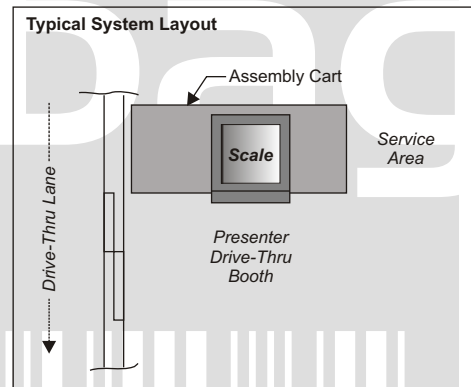
AUTObag does not require any changes to levels or positioning of staff.

Operational Changes

AUTObag requires that each order be placed on the scale. Depending on the system, either the receipt is then scanned, or the order is touched on-screen. Also, some condiments may not be placed in bags until after the order is checked, unless they are keyed into the P.O.S. system as part of the order.

Electrical Requirements

AUTObag requires a power source, either 120 or 240 VAC/10A, single plug/circuit. The power source should be the same isolated ground type as the P.O.S. system for continued ground-fault protection.



Specifications

Mechanical:	
Dimensions, AUTObag 4 Scale	14.75W x 16.25D x 3.0H (inches)
Dimensions, AUTObag LT Scale	14.0W x 14.0D x 2.5H (inches)
Dimensions, AUTObag CPU-400	6.75W x 7.5D x 1.5H (inches)
Operational:	
Scale resolution, all	5 grams
Scale accuracy, all	+/- 2 grams
Scale capacity (max.)	7kg
Response Time, all	< 1.5 seconds
Electrical:	
Power Supply Input	115-237 VAC See note.
Approvals	CSA/UL/CE/TUV and others
Equipment Power Input	24 VDC See note.

NOTE: AUTObag is low-voltage equipment, powered by an external power adapter.

Approvals

Customer Approvals:

AUTObag is globally approved by McDonald's Corp.

Electrical Safety Approvals:

AUTObag uses an external power supply that is approved for use around the world by multiple agencies including CSA, UL, TUV, CE and others.

How to Order AUTObag

AUTObag and Kern Electronics Inc. are represented by various companies around the world. Please contact us for the nearest representative. If no representative exists in your country or you have a preferred supplier you would like to use we can establish a new representative and provide training and support.