*eye*con®

Revolutionary Tabletop Automation

Prescription Validation,
Counting and Filling System

Counting Pills

Quantity | Drug Photo
30
NDC: 12345-6789-01

Cancel | Eyeconol Tablets 100 mg

*eye*con by GSE

eyecon®

Eyecon® is a revolutionary pharmacy automation system

Eyecon is fast becoming the preferred choice of pharmacies that have decided to automate their prescription filling process. Filling automation improves Rx accuracy, resulting in improved inventory control and saving an average pharmacy thousands of dollars per year.

Eyecon's unique Visual Counting System™ is up to 76% faster and significantly more accurate than manual counting. It helps reduce tedium and stress while allowing employees to spend more time with customers. Customers benefit from improved customer service and Rx accuracy.

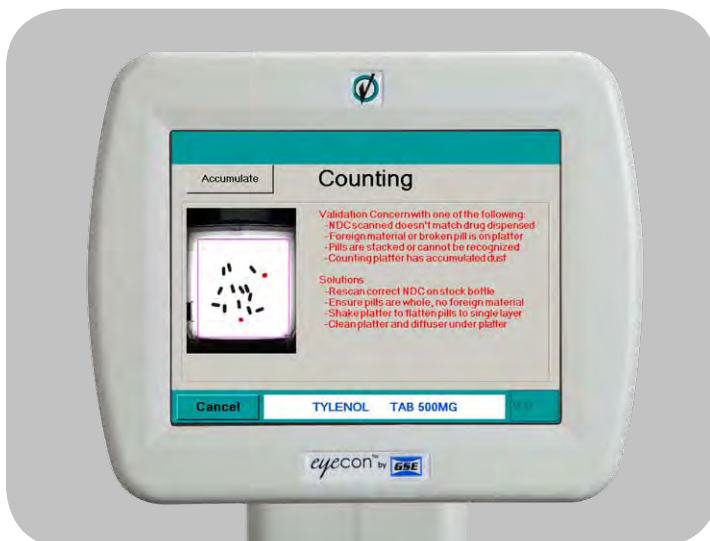**V**isual **P**recision **C**ounting™

How Eyecon works

The Eyecon is a unique machine vision counting system. A camera mounted above the counting platter captures photo images used to count pills five times per second. Foreign matter and pill fragments that vary significantly from the reference image are easily identified on the counting platter. The operator is alerted to the presence of this foreign matter, ensuring the quality of prescriptions filled on the Eyecon.

- **Safety –** Validation mode ensures customer safety with proper dispensing. Separate sulfa and penicillin platters prevent cross-contamination.

- **Speed –** Counts poured pills in 200 ms, updating pill count up to 5 times per second.

- **Accuracy –** Field-tested approaching 100%.

- **Quality –** Recognizes and identifies foreign matter and tablet fragments of dissimilar size and shape.

- **Confidence –** The open design allows quick and easy inspection of the medication, backed up by a saved image of the pill tray for every transaction.

- **Versatility –** Counts all sizes and shapes of capsules and tablets. Can also be used for validation and inventory of ointments, creams, solutions and pre-packs.

- **Longevity –** Regular updates to drug database and user interface.

- **Cleaning –** No hidden compartments or disassembly required.

Operator display

Machine vision camera

Counting tray

Barcode reader

Dispensing spout

Sulfa/penicillin platter storage

The highlighted shadow images represented on the left side of the display illustrate the location of the pill fragments or foreign matter on the counting platter.

Rx validation mode

The Eyecon helps ensure that the medication dispensed into the vial matches what is on the prescription.

The Eyecon includes a database of over 170,000 NDCs of which over 50,000 NDCs have color photos. When counting a drug with a photo stored in this database, the photo is displayed, providing visual confirmation that the correct drug is being dispensed.
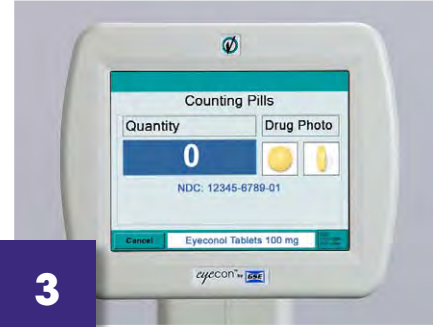

1

Scan Label – Scan barcode containing NDC, quantity, and Rx number.

2

Scan Bottle – Scan barcode on stock bottle to validate that you've pulled the correct medication.

3

Verify – Eyecon will proceed to count mode if Rx label matches the stock bottle. Eyecon will display error if mismatch is detected.

4

Count Pills – Pour pills onto tray until display turns green, indicating match between required number of pills and number of pills on the tray (see below).

5

Dispense – Lift platter to slide pills into funnel.

6

Fill Vial – Use vial to lift funnel gate and allow pills to flow into vial.

Simplified Counting

For prescription labels that include the quantity with the NDC in the barcode, the Eyecon will color code the counting screen to indicate count status.

Blue screen indicates under count.

Green screen indicates correct count.

Red screen indicates over count.

Physical inventory mode

Use Eyecon to periodically perform a physical inventory. Using the same process as standard pill counting, the Eyecon quickly counts pills from stock bottles and records the results in a database.

1. **Scan the stock bottle at Eyecon.**

2. **Pour the pills onto the tray.** The Eyecon counts the pills just as if it were counting them to fill a prescription. If your stock bottle contains more than what the tray will hold, use the accumulate function so you can empty the tray and resume counting.

3. **Store records.** Press the finish button to store the record as a .csv file which can be easily transferred to common spreadsheet programs.

- Export data to a USB jump drive and import into a spreadsheet for inventory management/reporting.

- Reduce carrying costs by increasing inventory turnover and reducing buildups.

- Free up staff to conduct more patient consultations by minimizing time spent on ordering and receiving product.

- Conduct physical inventories more frequently, with improved speed, accuracy and efficiency.

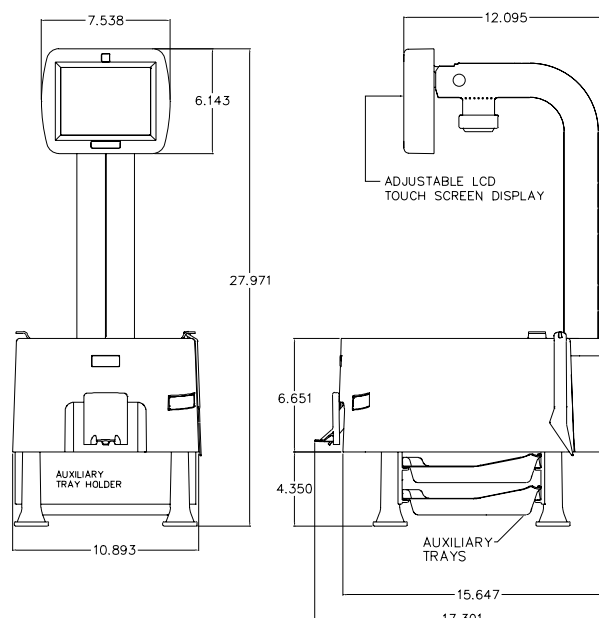# Research shows Eyecon is fastest.

Prescription filling process was timed from stock bottle (start) to patient vial (finish). Process was performed 5 times to calculate average Rx fill time. Individual results may vary.

Pill Count	Product	Avg. Fill Time
30 pills	GSE Eyecon®	13.6 sec
	GSE Model 664 Scale	15.6
	Competitive brand	17.1
	Hand counting	26.9
60 pills	GSE Eyecon®	14.1 sec
	GSE Model 664 Scale	16.9
	Competitive brand	21.9
	Hand counting	47.7
90 pills	GSE Eyecon®	15.9 sec
	GSE Model 664 Scale	17.0
	Competitive brand	26.8
	Hand counting	66.6

SPECIFICATIONS

- **Platter Surface Area:** 48″ sq
- **Dimensions:** 28″ H x 11″ W x 17.5″ D
- **Weight:** 16-18 lb (28 lb ship weight)
- **Screen:** 6.5″ Color LCD flat panel touchscreen
- **Integrated Barcode Scanner:** Class I Laser, Standard symbologies
- **Warranty:** Two year limited
- Pill database updates provided regularly.
- Interfaces to several pharmacy management software systems
- Two (2) USB Ports
- Ethernet Port
- **Power:** 100-240 VAC, 47-60 Hz
- **Approvals:** FCC, ETL safety approvals for USA and Canada
- US Patent # 7,599,516

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