



# EV-54 Nano

VIAL FILLING MACHINE

  
**douglas**  
AUTOMATION

COMPACT  
ACCURATE  
RELIABLE  
SMART

## ABOUT US



Founded in 1967 by Sir Graeme Douglas, Douglas Pharmaceuticals Ltd is one of the fastest growing pharmaceutical companies in Oceania. Outstanding customer service and the highest manufacturing standards have driven the company's success. Douglas is consistently ranked as the top performer in New Zealand Coal Face Surveys on customer satisfaction.

Douglas Pharmaceuticals is currently enjoying significant growth as it expands to meet international demand. The company prides itself on being leading edge in every aspect of the business and in 2014 established an Automation Division to assist pharmacy to be both more efficient in dispensing prescription drugs and more profitable as a business. The Douglas Automation products are transforming the way dispensary operates in today's competitive market.

## yuyama

Yuyama was founded in 1964 in Osaka, Japan, and specialises in medical and pharmaceutical automation. Yuyama is the world's largest manufacturer of pharmacy automation equipment.

Driven by innovation, Yuyama machines have proven to be exceptionally reliable, user-friendly, fast and safe. Recognised for superior service, Yuyama is a market leader in the evolution of pharmacy automation. Yuyama has worldwide operations in the USA, Japan, EU, Korea, China, Taiwan, and Saudi Arabia. Its US division has over 2200 machines dispensing medications daily.



EV-54 Nano Vial Filling Machine  
COMPANY INFORMATION



EV-54 Nano Vial Filling Machine  
**INNOVATIVE DISPENSING SOLUTIONS**

# THE FUTURE OF DISPENSING IS HERE!

54 unique canisters that dispense into vials at previously unattainable rates. Add to that, class leading accuracy, speed, safety and reliability. The EV-54 Nano eliminates the monotonous daily task of counting in exchange for more time for your staff to be more productive in other areas of the dispensary.

- Counts faster, more accurately and eliminates the chance of cross contamination compared to stand alone units
- Uses individually calibrated canisters and barcode technology to remove the risk of human error
- Improves security by utilizing a locking drug canister mechanism, allowing canisters to only be removed by those granted access
- Use it quickly and easily with the arm mounted touch screen that rotates 150 degrees and adjusts in height for each pharmacist
- The software accurately suggests the best vial size for the script
- Focus on customer service and sales, let the EV-54 Nano handle the repetitive task of counting
- Use multiple workstations at the same time to dispense with the EV-54 Nano. It intelligently cues scripts to dispense one after the other
- At just 32cm deep and 1.5m wide it can be easily integrated into your pharmacy workspace





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**INNOVATIVE DISPENSING SOLUTIONS**

# INTRODUCING THE EV-54 NANO

## Fast

- 300% faster on average at counting compared to a good pharmacist. Dispenses into a vial in less than a second

## Safe & Reliable

- No cross contamination. It only unlocks the canister chute with the drugs on the scanned script. All other chutes remain locked
- Established worldwide prior to its release in New Zealand in 2015

## Cost Effective

- Represents 54 tablet counters (\$432,000 in value) with a quick pay back period

## Tax Benefits

- You may be able to deduct the depreciating value of the EV-54 Nano from your taxable income – ask your tax adviser for further details

## Quick & Easy

- A touch screen interface, with easy to use software, means it's quick to learn and simple to operate

## Multi-tasker

- Send scripts from multiple workstations, all connected to the EV-54 Nano. You can also dispense a finished prescription as another type of medication is counting in the background

## Central Replenishment Point

- Alternatively select the drug and quantity without a script number and dispense it ad-hoc





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The EV-54 Nano comes with 54 calibrated canisters which are tailored specifically for the needs of each individual pharmacy. Connect up multiple EV-54 Nano's to double, triple or quadruple your capacity.

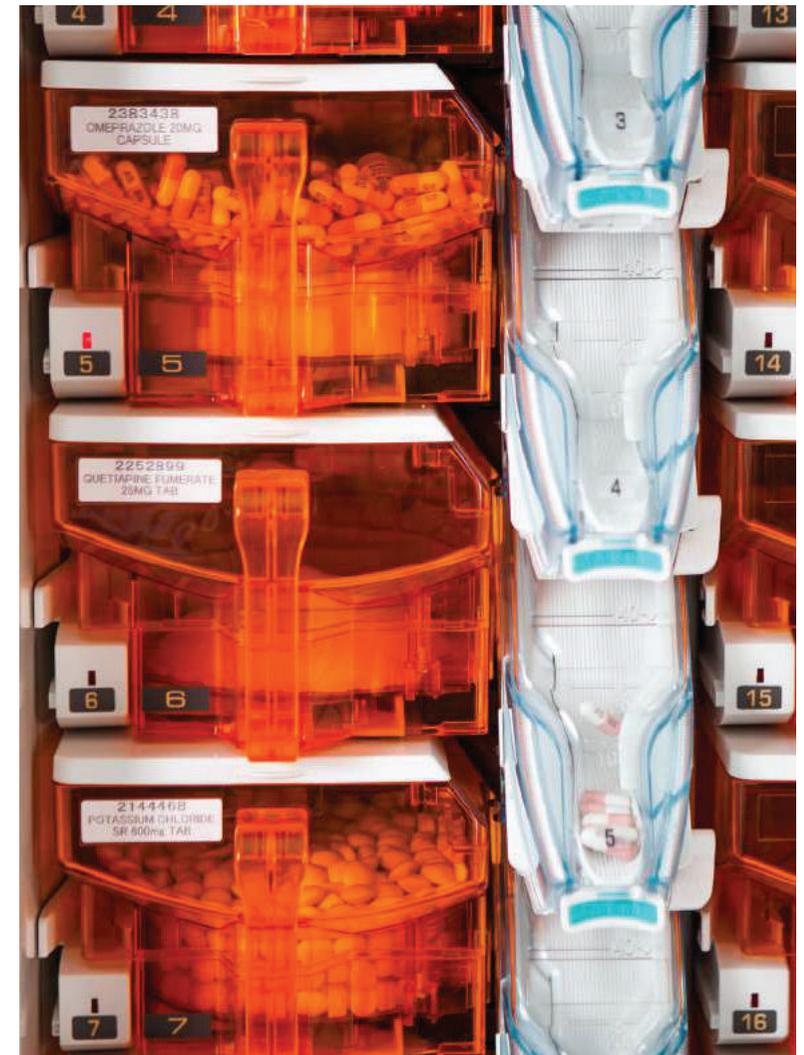
It can dispense from LOTS and Toniq pharmacy dispensing systems, as well as work independently. It comes with barcode technology to verify the correct prescription is matched with the correct canister chute.

This enables high level safety checks to avoid medication errors during the tablet drop into the vials and refilling of the canisters.

One reason the EV-54 Nano is so fast is because unlike other robots, each canister has its own dedicated chute. Just imagine 54 tailor-made tablet counters which are machine controlled and highly automated. Each canister can hold between 1,000 and 5,000 tablets depending on their size.

The software will intelligently queue up scripts of the same drug so as soon as the tablets have been dropped into a vial, it starts counting and dispensing the next job of the same tablets into the chute. All 54 chutes can be filled with counted drugs, ready for immediate dispensing. Reduce customer waiting times by prioritizing scripts within a queue.

Once a vial is filled the next person can scan their label barcode and their tablets drop into their vial.



- The EV-54 Nano streamlines operations meaning your staff can spend time being more productive
- Gain your worktop space back and time spent hunting for tablets; instead have your staff operating your dispensing software workstations and pushing script after script to the EV-54 Nano
- Conveniently stores large volumes of tablets in a single dedicated canister

## Process

1. Send the script (the label is printed simultaneously)
2. The tablets are automatically counted by the EV-54 Nano and drop into the chute
3. Stick the label on the vial
4. Scan the label to verify the script and unlock the correct chute
5. Fill the vial

**At 90 tablets every 15 seconds the EV-54 Nano saves over 50% on most dispensing times.**

## Output (on average)

- 6 tablets dispensed every second
- Dispense 540 Metformin 500mg in 2 minutes with the EV-54 Nano
- Up to 70 vials an hour for the whole process from selecting the customers on your dispensing system to the pharmacist checkoff
- Output is relative to the amount of operators (multiple). For example two operators will be able to produce 140 vials an hour



# SPECIFICATIONS

Product Name	EV-54 Nano vial dispensing machine
Dimensions	1520 (w) x 320 (d) x 2040 (h) mm
Weight	260Kg (Machine only)
Power Supply	AC110V 50Hz / Transformer AC240V 50Hz
Power Consumption	1500VA Transformer
Touch Panel	12.1 Inch color LCD touch panel screen
Number of Canisters	54pcs
Capacity of Canisters	900cc
Operational Temperature	5°C - 40°C
Operational Humidity	Up to 50% (40°C) - 80% (31°C)
Functionality	Vial script dispensing Manual dispensing Dispensing history Dispensing reports

## YOUR PACKAGE

- 1 x EV-54 Nano vial filling machine
- 54 x Calibrated canisters
- 1 x Transformer
- 1 x Touchscreen computer
- 1 x Barcode scanner
- 1 x Cleaning brush (specially designed)
- 1 x Manual canister removal tool



# Country Contacts

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