

Your Partner in Medication

yuyama

PROUDNEO

**Compliance
Packaging Machine**



VARIABLE CASSETTE



UNIVERSAL CASSETTE

PROUDNEO

proud [pra'ud]

- 1: Having justifiable self respect
- 2: Feeling great dignity or honor

→ Safety Management --- It's a vital vision for the future

We are in an era where strict safety and accuracy are demanded in medical practice. What can an oral solid packaging system do for you?

■ Patient-oriented practice is also pharmacist-oriented practice.

Pharmacists and other health professionals wish for the best health for their patients. In spite of their wishes, medical safety is getting questioned more and more severely. Media coverage of medical accidents and medical malpractice is continuously making news headlines. Some medical treatment suppliers are active in establishing academic societies for studying and proposing ways to ensure "medical safety."

■ Importance of 1:29:300 in medical practice

Heinrich's Law is one of the most well-known achievements in safety engineering. This law tells us that there are 29 light accidents and 300 near accidents behind one actual occurrence of a fatal accident. The law proved that it is important for us to prevent close-call incidents. Preventing confusion between similar medicine names, preventing misreading numbers printed on a prescription, and much more—these everyday efforts are all essential to prevent fatal accidents.

■ Is it impossible to avoid human errors?

Unfortunately, we have to face that the number of human error incidents has never been zero, no matter how hard we try. This is why we need to use a system that relieves health professionals from worrying. As a result of this, patients can be satisfied not only with health but with "safety" and "reliability" as well.

■ What should a future tablet packaging system be?

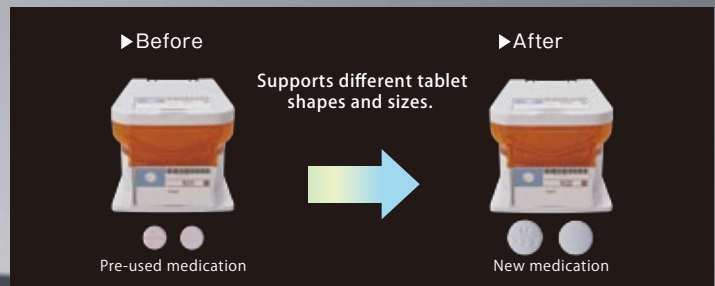
35 years have passed since Yuyama created the first oral solid packaging machine. It was the "labor saving" ability that impressed the medical service community. As time has passed, this advantage is becoming nothing more than an ordinary function. What is wanted in the next stage is, as we mentioned earlier, the ability to support health professionals so that the patients can see the "safety" and "reliability." We believe this is also the wish of pharmacists.

▶ The tablet packaging system, PROUD NEO, was born from your wish.



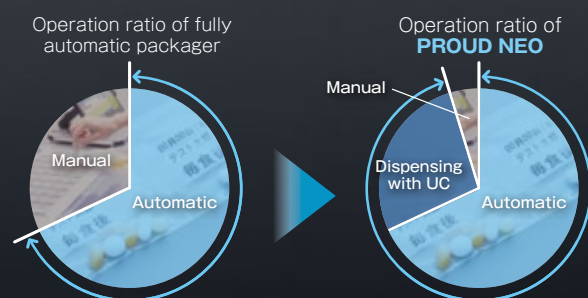
Point VC (Variable cassette)

Each cassette is calibrated per medication. When the pharmacist replaces the medication or the pharmaceutical company changes the shape of medication, a new cassette should be ordered each time. Because of this, there are some cases that use 70% to 80% of their cassettes. By using the VC and cassette simulation function, pharmacist can calibrate the cassette by themselves and establish the best efficient packaging operation.



Point UC (Universal Cassette)

As part of the dispensing operation, the diagram above shows manual dispensing versus the PROUD NEO automatic dispensing. The Universal Cassette, "UC" can reduce the manual operation by installing it in the PROUD NEO packager. Avoiding human error by dispensing the medication automatically instead of manual dispensing.



※Estimated rate by our experience.



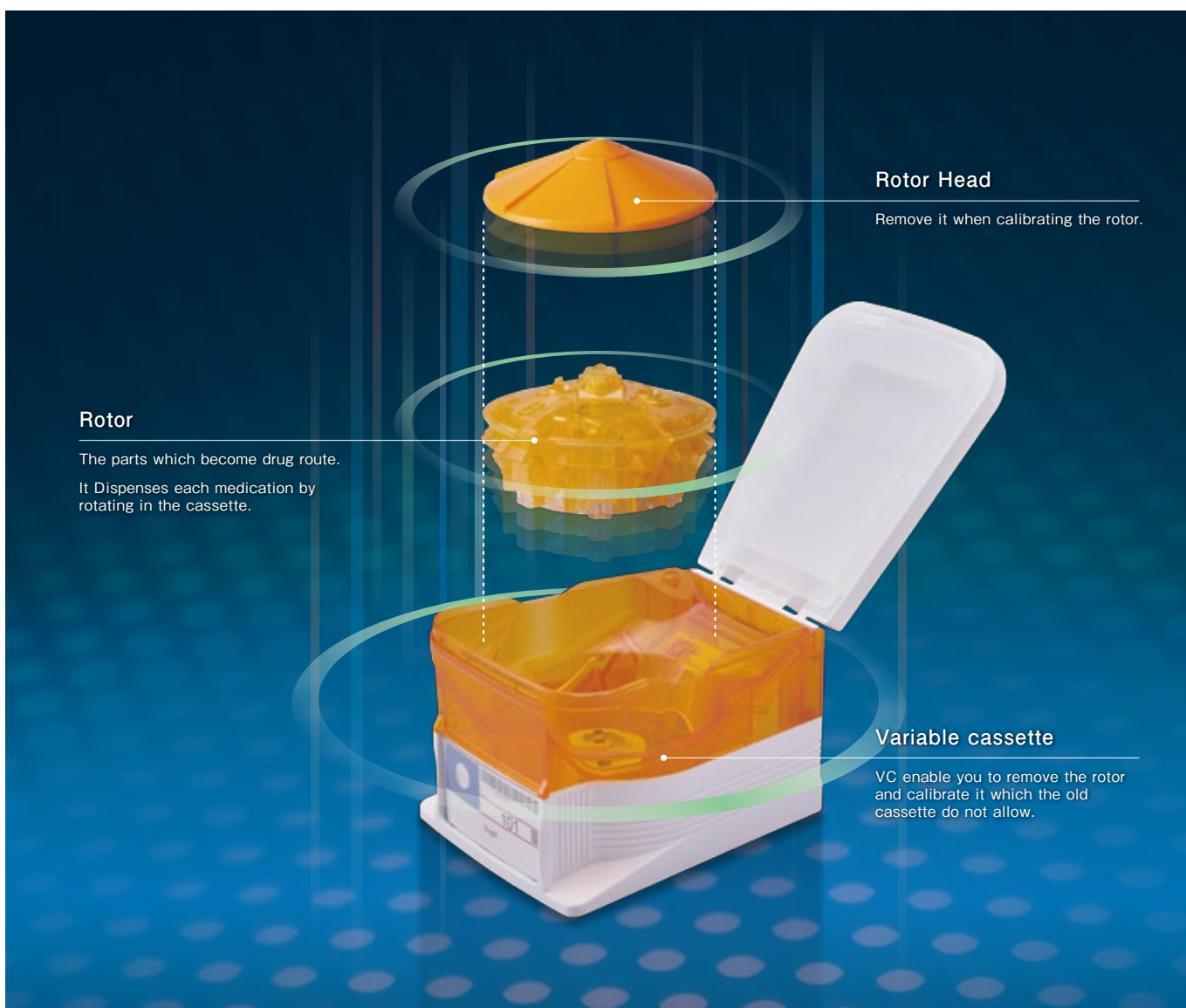
ADVANCED PERFORMANCE

ADVANCED PERFORMANCE 01

The new generation of cassette. Evolve from ordering to self calibration.

「VC (Variable cassette)」

*VC is available with PROUD NEO 266 / 304 / 343 / 400 / 532.



Calibration image

The cassette which is able to set various medication.

It was impossible to use the same cassette when replacing the medication or shape change.

We invented the new cassette which changes the common practice.

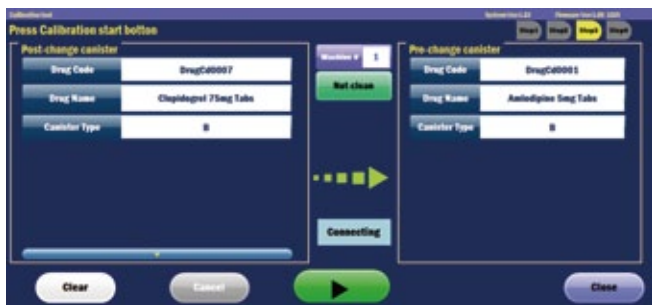
By using the software of Yuyama (JSD.NET) and calibration unit, we now can calibrate for each medication. (Takes 2-3 minutes)

VC is invented from the new point of view that no need to order new cassette, just calibrate the cassette whenever you want.



No need to keep the cassette for spare

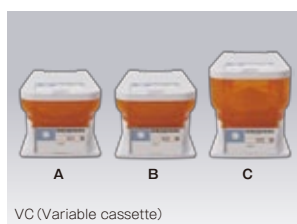
When looking to purchase a new compliance packaging machine, there will be some Pharmacy owners who select the option which has many cassette to spare. The PROUD NEO has the VC, and it allows you to calibrate the cassette whenever you want, so no need to order the spare cassette and perform as maximum effect from the 1st day from the installation.



Calibration screen

Cassette has two sizes

User can choose between two sizes. From M and SS size. It can match your frequency of replenishment. However C cassette only has M size.



cassette	A	B	C
size	SS-M	SS-M	M
Available medication	Naked (Small)	Naked (Large)	Capsule


※VC has 3 types and if the medication has the same shape, users can change the same type medication.
 ※The tablets except above can't use with VC. Please order RFID cassette.

Size adjuster adopter

A/B cassette can change the size by replacing the adopter. (SS ⇄ M)




Adopter When attach the adopter (M size)




Rotor lock function

It has rotor lock function for avoiding the rotor rotating and the medication drop accidentally.


The cassette recommend function make the dispensing more effective.

Users can simulate the effect if they replace the medication by checking the medication use amount from our software "JSD.NET". Replacing the low use ratio medication to high use ratio medication, it support efficient the dispensing operation.


① Decide the cassette to calibrate by simulation.



② Calibrate the cassette with VC changer.



③ Set the ravel.
 ※Printer will be required



④ Verify the cassette RFID and ravel with PROUD NEO



⑤ Calibration completed

ADVANCED PERFORMANCE

ADVANCED PERFORMANCE 02

Almighty cassette of Yuyama「UC (Universal cassette)」 option

*Available with PROUD NEO266/304/343/400

*UC can't use with PROUD NEO 532.

No manual dispensing, No more burden.
No more human error, No more dispensing miss.

Universal cassette (UC) is variable tablet cassette which can dispense variety tablets by using the same cassette. Pour each medication in the UC, the drug route will change and enable the safety and accurate dispensing. It can adopt the increase of medication usage and play a major role in supporting pharmacists and preventing dispensing errors.



The cassette which change its shape of drug route by each medication.

Each medication has its own shape and size. The UC can dispense the variety shape of medication automatically.











Universal cassette (UC)



Using by set on the UC motor basement.

UC can dispense various medication

Capsule 	Soft capsule 	Naked (Swelling) 	Naked (Flat) 
Oval (Swelling) 	Allaxis (Swelling) 	Oval (Flat) 	Rectangle (Swelling) 

※Above is only a part.

※The medication which can use with UC has a restriction. Please ask to us for more details.

Lock and Display prevent from the missetting of medication.

Only when the medication is verified, will the UC be released. In addition, LCD shows patient name and medication.





Simple and Speedy.

Easy to handle. Just pour the medications in it, UC will automatically dispense in accordance with the prescription.



The medication will be displayed on the LCD of UC.



After the barcode is read, applicable cassette will be pushed out.
※The pour the medication in it.



Set the UC again.



Check medications remaining in UC.

In order to enhance the safety, it is recommended to release UC and visually check. When UC is set back, then information on the UC will be reset.



Used as a medication specified canister.

UC can act as a normal canister for one type of medication, if it's frequently used. UC offers various usages flexibly for each case.



※Desiccant is not applicable in UC. Please do not keep medication in it for a long time.

Easy cleaning.

All components touching medication are detachable. It's easy to clean.



※Unable to wipe with water.



More safety and accuracy for half tablets.

Normal Half both tablets are available. (It is impossible to dump normal and half tablets together in the same UC.)

option

Half Tablets UC (Universal cassette)



The type of tablets which available as half	
Naked (Swelling)	Naked (Flat)

※ Available with both normal and half tablets, but some medication can't use with UC.

※ Dispensing speed of half tablets can be slower than the normal tablets because of reverse rotation for avoiding tablet jam. Also, because of the shape of medication, the speed of dispensing can be slower than the normal tablets.

ADVANCED PERFORMANCE

ADVANCED PERFORMANCE 03

Safety

Go for next-generation safety management

Every single RFID drug cassette is recognized automatically.

Each cassette has an RFID chip. This chip is used for automatic recognition of the cassette position. Tablet packaging is correctly processed even if a cassette is set in a holder with a different number. An incorrect cassette position does not result in incorrect dispensing. You do not have to worry when taking out multiple cassettes to replenish them at the same time. Besides the information necessary for identifying the medicine, the RFID chip also includes additional information for when two or more drug cassettes contain the same medicine or medicine information. The RFID chip enables safe and secure handling.



Barcode recognition ensures correct replenishing.

When replenishing a cassette with tablets, hold the cassette in the replenishment check position at the front. Here, the barcode is scanned. After the code on the drug bottle is read, the scan result is displayed on the machine monitor. PROUD NEO is provided with intelligent functions that are appropriate for the next-generation tablet packaging system.



The drug is recognized with barcode.



The cassette is recognized with RFID. (PET.P)

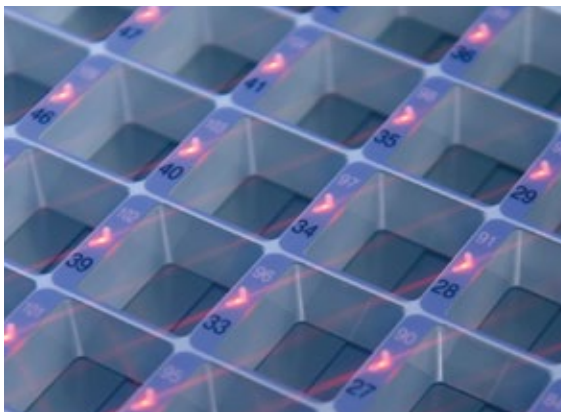
It is best to use Barcode and RFID at the same time. This is Yuyama's decision to make it convenient and mistake-free to replenish drug cassettes. With a barcode on the drug bottle and RFID on the drug cassette, the medicine is identified by using two different media. Since RFID is used for drug cassettes, there is no possibility that the same medium is incorrectly scanned twice.

ADVANCED PERFORMANCE 04



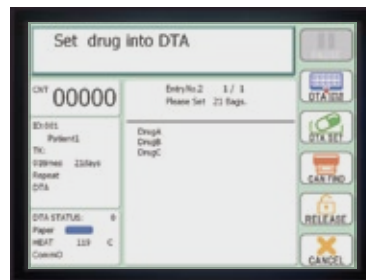
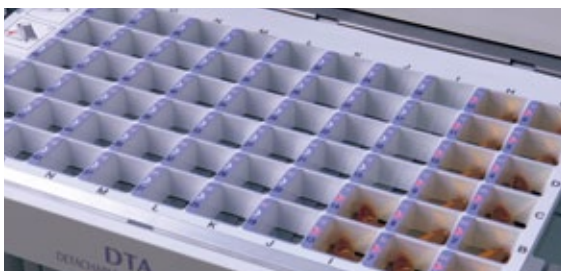
DTA LED Guide.

Display each medication by admin time with LED light and easy to find the spot to set medication.

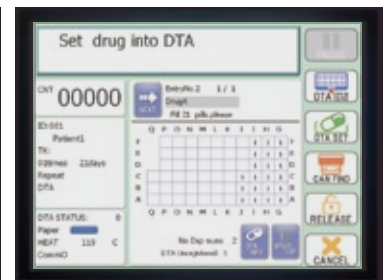


We install the LED light to DTA (Manual dispensing) tray for meeting the user's request, safety and effective filling. LED Light will show the DTA spot visibly, so users can find the spot which required to set medication by each medication and admin time.

Also, customers can check the spot which they need to set the medication on the touch panel, so it enable to operate the safety manual filing by checking the both indicator LED lights, and touch panel.



Medication Select screen



Medication dispensing indication screen

ADVANCED PERFORMANCE 05



Maintenance and cleaning is indescribably easy.

Open angle as wide as 36° at the tablet cassette holding sash.

Our advanced design enables easy maintenance of the tablet path in the cylinder center. It used to be very difficult to perform maintenance work, such as cleaning, for the cylinder. This was because tablet cassettes were supported by it. PROUD NEO allows you to open the sashes as widely as 36° while these sashes keep holding the tablet cassettes. Now it is easier to perform maintenance work more than ever before.

It is easy to wash the whole hopper with water.

All tablets pass through the large hopper. Just draw it out of the machine. Removing the hopper is that easy. Plus, you can wash the whole hopper unit with water. It is very important to keep it clean when we consider the fact that all the medicine, including manually distributed medicine, pass through the hopper. This seemingly small detail shows the advanced safety design of PROUD NEO.



ADVANCED PERFORMANCE

ADVANCED PERFORMANCE 06

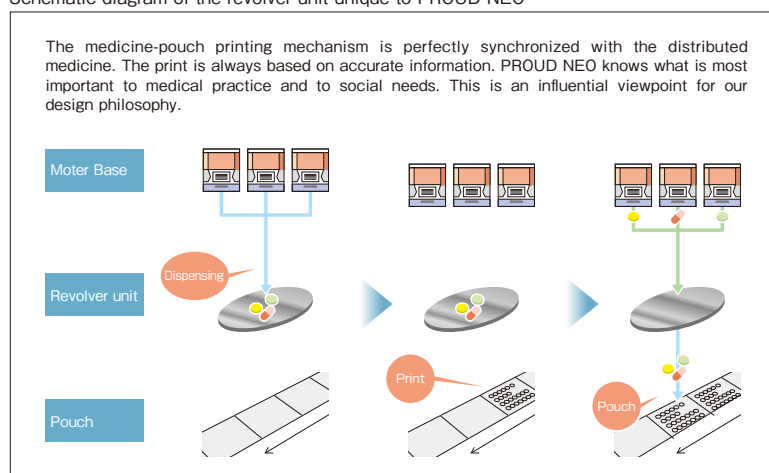
Correct

The revolver unit realizes world class safety.

The most accurate print on medicine pouches is perfectly synchronized with the medicine.

The print on the medicine pouches is based on the actual distributed medicine, not from the medicines that are expected to be distributed. The revolver unit, a new concept, enables this printing process. This process is significant in medical practice where 100% accuracy is required. Needless to say, pharmacists are relieved from worrying. In addition, if some medicine should be distributed as a result of an incorrect operation, the medicine is identified, and a warning message is printed on the medicine pouch. Moreover, all motor operations are always monitored by detection functions. The combination of the printing process and the detection functions make perfect medicine monitoring and warning possible.

Schematic diagram of the revolver unit unique to PROUD NEO



※Post-printing mechanism cant use after dispense by universal canister.

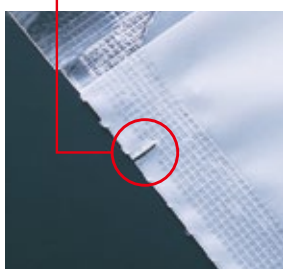
Accurate expiration date and lot number are printed on every pouch.

While oral solid packaging is in progress, it is possible that you would have to replenish a cassette that has just been emptied in the packaging process. In this case, the tablets that have already been distributed and the tablets that will be distributed after replenishment may have different expiration dates and lot numbers. Other oral solid packaging machines cannot accurately print expiration dates or lot numbers because they cannot handle the situation described above. The revolver unit of PROUD NEO is different. We have adopted a post-printing mechanism. You can input a new expiration date and a new lot number of the new medicine during the packaging process. The new expiration date and the new lot number are printed when the newly filled medicine is distributed into a pouch from the cassette you have just replenished.

The revolver unit monitors distribution of medicine, enabling a function that is not achieved by any other oral solid packaging machine.

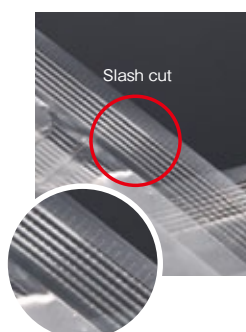


Slit for smooth cut



The pouch will have slit for cutting the pouch easy automatically.

Slash cut



The quality sachet "Slash Cut" enables itself to be cut from any sealed area. However it's not torn off by tying with an elastic band.

ADVANCED PERFORMANCE 07

Automatic 4-color pen liner

Automatic 4-color penliner distinguishes sachets easily. option

As per the needs of times, pharmacies servicing long term care patients are increasing. People want to distinguish different sachets by color but it always cost a lot. In order to resolve this issue and make the pharmacy's service easier, Yuyama developed the unit that draws a color line while packing. This can be made by dosing time or facility and also reduce the pharmacy's workload.



4color penliner unit



Different coloring and line type bu facility

Facility A	M	N	E	N	M
Facility B	M	N	E	N	M

Line types are solid line or dotted line.

Smooth and natural line

Continuous line	M	M	M	N	N
Line per sachet	M	M	M	N	N

Reduce operation

Now that we draw a line after dispensing, this function can reduce your cost.

Operation time*
1 hour 40 min
↓
0 min

Assumption: Prescription is 14 days × 3 times a day = 42 pouches and issue 50 prescription per day. Takes 2 minutes for each line.

Reasonable

Reasonable price for installment and realize separating pouches by color.

Color printing costs*
about 31.4%
Down

* Assumption: Comparing the printing price with the case of using 4 color ribbon and case of using 1 color ribbon with this option.
* It doesn't include the initial costs.

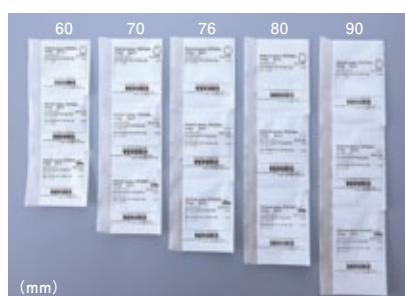
ADVANCED PERFORMANCE 08

Operating-cost reduction and packaging capability for in-patient care



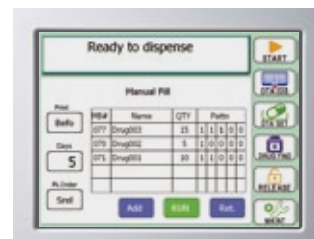
Five packaging sizes at your selection
Accurate management of running costs with the variable roller and the optimal size control function for pouch paper.

A variable roller mechanism is adopted. You can select the height size of a pouch from five options: 60, 70, 76, 80, and 90mm. In addition, you can input a tablet size coefficient in the drug database. This enables PROUD NEO to calculate an optimal amount of tablets per pouch, and then to distribute the optimal amount into each pouch automatically.

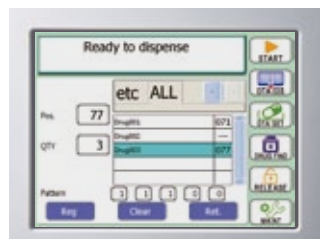


The 10 inch liquid crystal touch panel displays various types of information clearly. Voice guided
You can control simplified packaging from the panel.

The 10 inch large liquid crystal panel is adopted as the main panel, which provides the total display of various information such as packaging information and remaining amount of pouch paper. The display shows the total number of pouches in process and other various information with voice guidance in an easy-to-understand manner. Moreover, you can control simplified distribution, for example, in an emergency case or at nighttime. (Inputs: medicine name, distribution pattern, direction for use, number of days. Only the direction for use is printed.)



Simplified-distribution medicine selection screen



Simplified-distribution start screen



Yuyama finally realized the special cassettes **option** which cut tablets into half, also packs it in a pouch automatically. Shown on left hand side picture. It's called a "Half Cutter".

Manually cutting tablets into half is very time-consuming for pharmacists or technicians. But, with this special cassettes, pharmacists or technicians don't need to do such time-consuming task any more. Plus, it will eliminate human errors caused in a busy environment. It will be added to pouches of multi-dose prescriptions.

The half cutters can be ordered after installation of the PROUD NEO. We strongly recommend that users enjoy the much efficient operation with Half Cutter from the beginning.

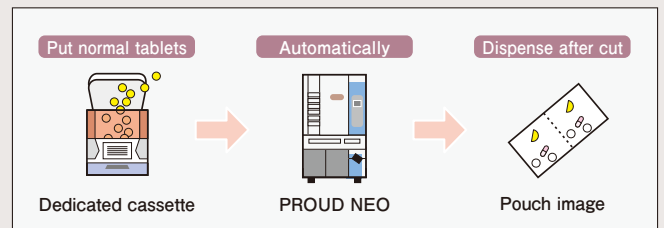


Setting cassette on the refill table

Unlock the lid lock by verification

Tablet cassette with lid lock function **option**

This new function is for avoiding the mis-replenishment or putting wrong medication in to canister. It locks the lid of cassette and prevents the trouble which happen while "take out medication", "return medication", and "replenish medication".



You must clean the heater-roller when the new sachet roll is set, this will prolongs the lifetime of the machine.

The ribbon has 1-color type (Black). It is environmental friendly, and enables the stable printing to pouches. Various indications such as barcode, QR, Figures, and Pictogram can be printed. This provides patients with easy recognition and nurses with accurate handling.

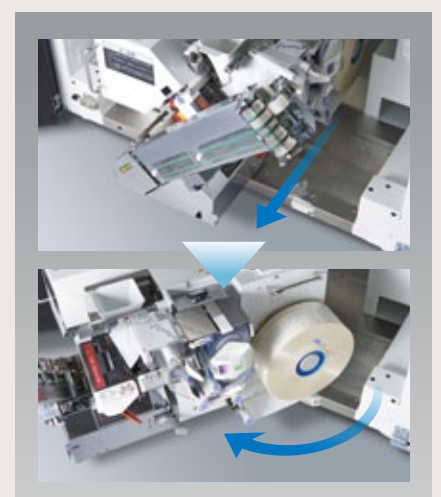


Unit combination is selectable at your needs.

You can combine separate units to increase the number of tablet cassettes in PROUD NEO. You can use PROUD NEO according to your necessity and use.

$$266 + 77 = 343 \text{ cassette}$$

$$304 + 96 = 400 \text{ cassette}$$



Double folded sachet & Heater-roller helps with easy setting and accurate sealing.

Easy setting and accurate sealing are now achieved together by the new method. Not to detract the packing mission, it gives the easiest operation for the pharmacy.

NEXT CHALLENGES OF YUYAMA

※These functions will be supported in due course. Please ask the sales representative of Yuyama if you are interested.

The new concept of tablet counting function option



Reduce the burden of inventory operations

It takes a lot of time and manpower to count the quantity in a cassette. Therefore, Yuyama has launched a new function that can count the number of tablets in the dispensing cassette. It is a new concept of inventory operation function. It is possible to count the cassette in the same row at the same time.

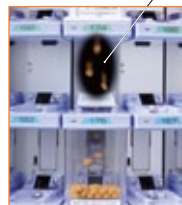


You can choose from two types of cassettes, M and SS. Please use the same size cassettes as the base cassette.

How to use



Set a count cassette



Start counting

Inside of the sash (Image)

Safe to return tablets to the cassette



Set a count cassette to the refill table



Set a base cassette to the refill table



Return the tablets to the base cassette

Half Tablet Universal Cassette 2nd Generation option

Normal
Half
Both tablets are usable!
※It is impossible to use them mixed



More Tablets can dispense with the new Half Tablets UC comparing to the current one.

The tablets which can dispense with current half tablet UC

Naked (Swelling)	Naked (Flat)



The tablets which can dispense with the new half tablet UC

Sugar coated	Round (Sugar coated)	Oval (Sugar coated)	Rectangle (Sugar coated)	Round (Swelling)	Round (Flat)	
Rectangle (Swelling)	Rectangle (Flat)	Oval (Swelling)	Oval (Flat)	Triangle	Square	Multiangle

※Half-cut UC can dispense both normal and half medication, but there are some restrictions.
※For avoiding the pill stack will take time longer compared to the normal UC.



Attention

These functions will be supported in due course. Please ask the sales representative of Yuyama if you are interested.

SPECIFICATIONS

266/304 PROUD NEO

M o d e l	YS-266FDS2/304FDS2
D i m e n s i o n	Without UC W890 × D 930 × H1,998 mm (W 35 × D 36.7 × H 78.7 Inch) UC exist W890 × D1,030 × H1,998 mm (W 35 × D 40.6 × H 78.7 Inch)
W e i g h t	About 580kg (1278 ponds)
Dispensing Speed	60pouches/min(MAX)
Electric consumption	800VA(MAX)
Power supply	AC100V±10%, 50/60HZ, AC220V±10%, 50/60Hz
Tablet adopter(DTA)	63pouches/times (Max 999 pouches)
Number of cassette	266 : 266 (LM), 304 : 304 (M)
P o u c h S i z e	Width(60/70/76/80/90) × H70mm
O p t i o n	Universal cassette (0/4/8), Half tablets UC (0-3), Variable cassette, Pen liner, Half tablet cassette (0/2/4/6/8), Lid lock cassette



266/304/343 PROUD NEO-VC



266/304/343 PROUD NEO-VC-UC4

343/400 PROUD NEO

M o d e l	YS-343FDS2/400 FDS2
D i m e n s i o n	Without UC W1,291 × D 930 × H1,998 mm (W 50.9 × D 36.7 × H 78.7 Inch) UC exist W1,291 × D1,030 × H1,998 mm (W 50.9 × D 40.6 × H 78.7 Inch)
W e i g h t	About 730kg (1,609 ponds)
Dispensing Speed	60pouches/min (MAX)
Electric consumption	1,000VA (MAX)
Power supply	AC100V±10%, 50/60HZ, AC220V±10%, 50/60Hz
Tablet adopter(DTA)	63pouches/times (Max 999 pouches)
Number of cassette	343 : 343(LM) Main : 266(LM), Slide unit : 77(LM) 400 : 400 (M) Main : 304 (M), Slide unit : 56(M) 40(S)
P o u c h S i z e	Width(60/70/76/80/90) × H70mm
O p t i o n	Universal cassette (0/4/8), Half tablets UC (0-3), Variable cassette, Pen liner, Half tablet cassette (0/2/4/6/8), Lid lock cassette



343/400 PROUD NEO-VC



343/400 PROUD NEO-VC-UC4



.....VC (Variable cassette) is available.



.....UC (Universal Cassette) is available.

532 PROUD NEO

M o d e l	YS-532 FDS2
D i m e n s i o n	W1,780 × D 930 × H1,998 mm (W 70 × D36.7 × H 78.7 Inch)
W e i g h t	About 1,140kg (2,513 ponds)
Dispensing Speed	60pouches/min (MAX)
Electric consumption	1,500VA (MAX)
Power supply	AC100V±10%, 50/60HZ, AC220V±10%, 50/60Hz
Tablet adopter(DTA)	63pouches/times (Max 999 pouches)
Number of cassette	532: 532 (LM) Main: 266, Double Cylinder unit: 266
P o u c h S i z e	Width (60/70/76/80/90) × H70mm
O p t i o n	Variable cassette, Pen liner, Half tablet cassette (0/2/4/6/8), Lid lock cassette



532 PROUD NEO



266/304/343 PROUD NEO-VC-UC8



343/400 PROUD NEO-VC-UC8

Great products with great service

Integrated production and sales system:

Yuyama has the in-house development principle and the in-house production principle. We have high-quality technology to create better products everyday to meet your needs. High performance itself, however, does not necessarily mean much more than hardware. Our products are seen as excellent products just when we provide careful maintenance work and exceptional after-sales service.

"Great products with great service." This is what we, Yuyama, believe in.

Achievements recognized by the world in the global market

Up to and from now on :

The tablet is the form of medicine that has been spread worldwide. To support the dispensing method of tablets, Yuyama's full automatic tablet packaging system keeps providing its advantages to the world. There is an undeniable fact that Yuyama's system has spread out from Japan to American and European countries as well as neighbor countries in Asia, and many achievements have been realized there. This makes it possible to anticipate future needs such as multiple distributions and daily dispensing out of the DTA tray.

Ahead the curve in international safety standards

Creating new world standards for dispensing practice:

This is the mission assigned to PROUD NEO. We think PROUD NEO should provide functions and quality that meet shared worldwide viewpoints, not just viewpoints of dispensing practice.

This is why we continue our efforts to meet standards such as [RoHS directives], [CE marking], and [MET specifications].

Yuyama has abundant international business experiences in the field of dispensing machines that lead the world. These experiences have borne fruit and enabled us to be certified by various safety standards in American, European, and Asian countries.

Our art and achievements, made to meet international safety standards, were integrated to develop PROUD NEO. We are, of course, sure that we will be making a good announcement about acquisition of certifications in the near future. Yuyama is recognized as the global leader in dispensing systems development, and will always be active in providing world-class systems.

*RoHS...The use of the following six substances is prohibited in products exported to Europe.(Lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl, polybrominated diphenyl ether)

*CE...A safety standard defined by EU concerning the products exported to Europe

*MET/MET-C...A safety standard defined concerning the products exported to the United States and Canada.

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JQA-QM5424
YUYAMA MFG. CO.,LTD
ISO9001:2008



JQA-EM3387
OKAYAMA FACTORY
ISO14001

Yuyama MFG Co., Ltd has obtained ISO9001 (Year of 2000) on March 2003. It is not only for managing quality control process but also pursuing the 100% customer satisfaction. In addition, Okayama factory has obtained ISO14001, which is for environment management system, on September 2003.



Yuyama HQ.Website:
www.yuyama.co.jp



Yuyama U.S.A.Website:
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