Your Partner in Medication

yuyama

Smooth check of large amounts of drug pouches
Further improved speed and stable operation

Packed tablets verification system

TabSight-S

Check tablets in pouches at high speed with high accuracy
Supports "secure and safe" dispensing with proprietary technology of Yuyama

Packed tablets verification system

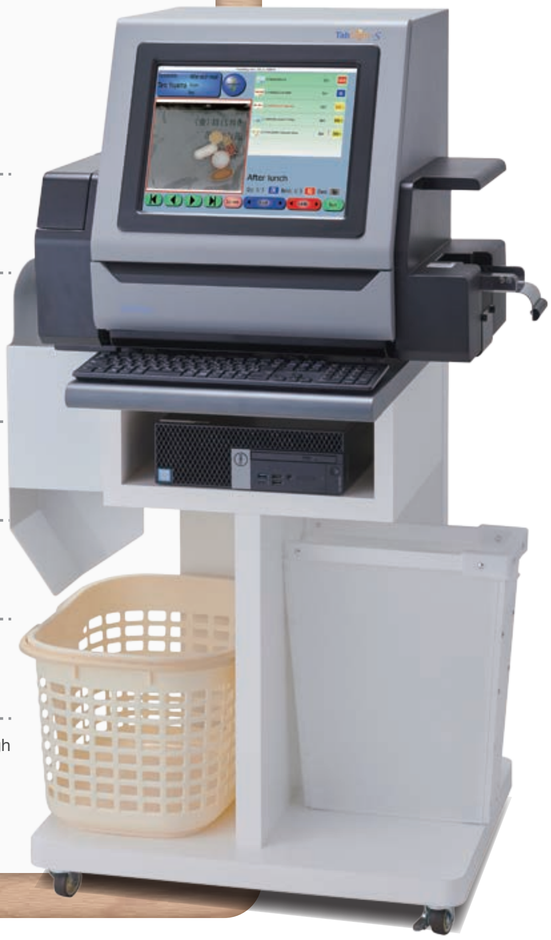
TabSight-S

The name "TabSight" is derived from Tablets and Sight.
As the name implies, TabSight-S checks tablets in pouches with high sensitivity and accuracy.

Check!

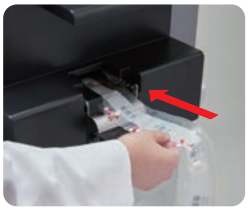
- ✓ 1 **Approx 1 sec per pouch*: High speed and high accuracy**
- ✓ 2 **Applicable to transparent or 1/4 tablets**
- ✓ 3 **Remote check function (option) Flexible operation that meets various needs**
- ✓ 4 **Strictly check with three information, Quantity, Color and Shape**
- ✓ 5 **Suitable for continuous inspection of a large number of prescription drugs**
- ✓ 6 **Integration with pouch packager saves time and effort**

* Under the conditions that pouches containing 5 tablets in 5 different types are scanned in High Speed Mode without High Resolution Mode.
It may take longer under different conditions.
For details, see "Spec" on the back page and "Precautions for use of TabSight-S" on page 4 of this leaflet.

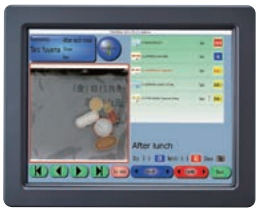


Packing pouches

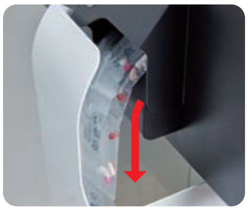
Load*/Scan starts



Confirm the result



Scan ends/Visual check of drug pouches



Final check and repackaging

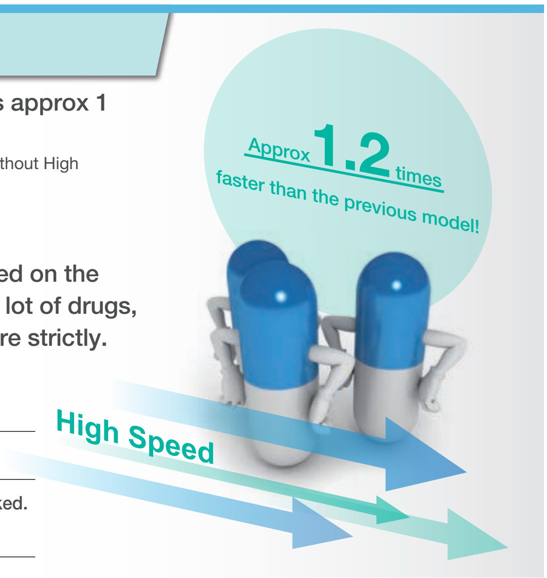
Easy to operate. Load the pouches from the side of the main unit. TabSight-S checks the tablets strictly!

* Load the pouches from the last pouch (pouch with a barcode).

Packed tablets
verification system

TabSight-S

High-speed check


Approx 1.2 times
faster than the previous model!
High Speed

Improved processing capacity allows for high-speed check. TabSight-S takes approx 1 sec per pouch for check, approx 1.2 times faster than the previous model*.

* Under the conditions that pouches containing 5 tablets in 5 different types are scanned in High Speed Mode without High Resolution Mode.
It may take longer when a pouch contains more tablets.

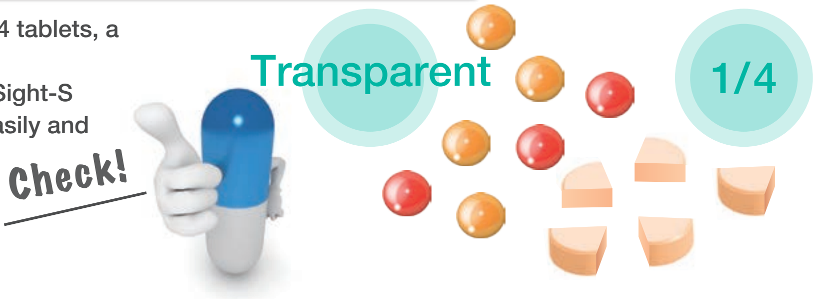
TabSight-S can operate at 3 different speeds. Users can select the speed based on the purpose. "High Speed" can be selected when speed is important to process a lot of drugs, and "Normal" can be selected when pharmacists want to verify the tablets more strictly.

Check speed	
High Speed	NG pouches are not re-checked
Semi High Speed	Pouches with correct number of tablets (including unknown tablets) are not re-checked. Pouches containing wrong number of tablets are shaken and re-checked.
Normal	NG pouches are re-checked. NG pouches are shaken and re-checked.

Transparent tablets or 1/4 tablets can be processed

TabSight-S can identify transparent tablets or 1/4 tablets, a function not available in existing models.
As the number of drug types recognized by TabSight-S increases, users can check the pouches more easily and speedily.

* With TabSight-S, some types of transparent tablets can be identified.



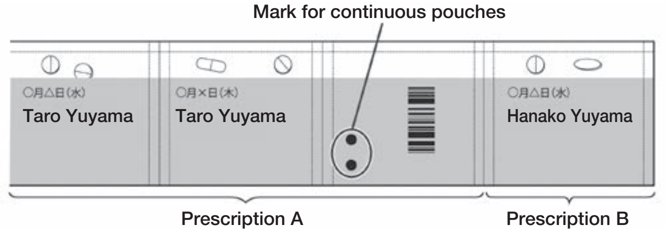
Stable operation, free from stress

Improved pouch transfer system allows for smooth loading. TabSight-S can be used to check a large number of pouches without pressure.

■ Continuous check is also supported in TabSight-S

(when operating with pouch packager)

Even when pouches with different prescriptions connected to each other are loaded, TabSight-S can check them without user intervention, because it automatically identify perforations between pouches. Tablets packed in pouches can be collectively checked.



■ Easy check at high speed

"Vibration Unit" is equipped in transfer spot.
Before using the camera for imaging to identify the tablets, the Vibration Unit shakes the pouch so the tablets will not overlap which increases scanning efficiency.

*Vibration Unit can be turned on/off on the maintenance screen.

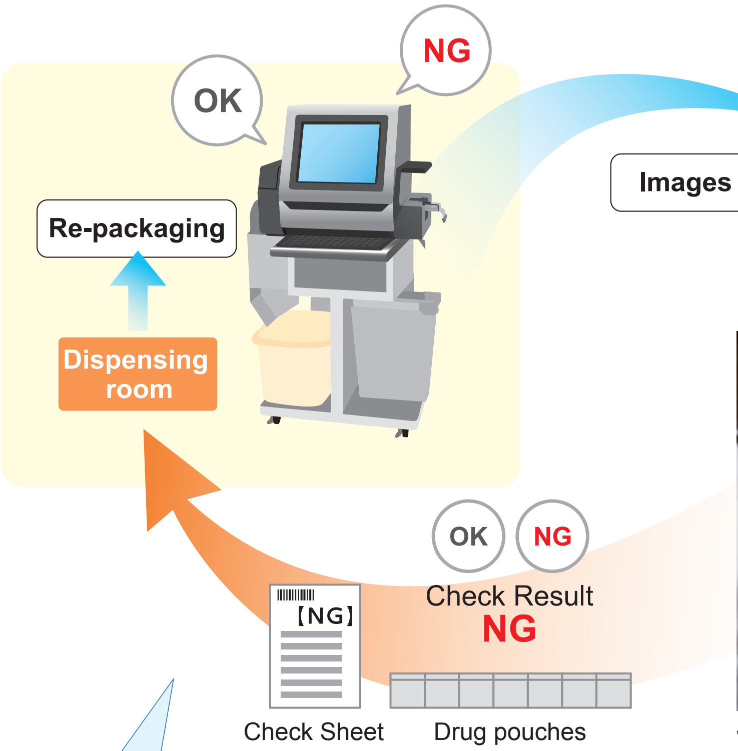
Check with three information, **Quantity, Color and Shape of tablets** at high
“Secure and safe” dispensing and dosing.

*Under the conditions that pouches containing 5 tablets in 5 different types are scanned in High Speed Mode without High Resolution Mode.

Combination of a high-resolution camera and proprietary image recognition technology of Yuyama realizes highly accurate identification.

Remote check is also available **option**

Users can check pouch images stored in other rooms using a monitor (option).
Users can load the pouches into TabSight-S in the dispensing room and then check in the examination room. By scanning the barcode on the last pouch, pouch images will be displayed on the monitor for check.

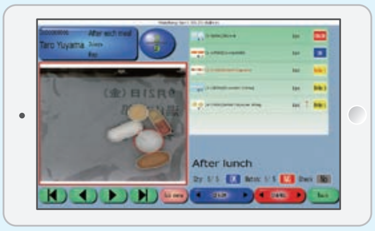


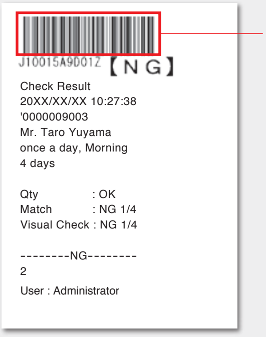
Retrieve images by scanning the barcode on pouch.

Judgment result list and detailed image of each pouch can be checked at the same time on 2 monitors.

Easy check on a tablet

Users can perform final check on a tablet. Final check at the pharmacy counter is also available.




J10015A9D01Z 【NG】
Check Result
20XX/XX/XX 10:27:38
'0000009003
Mr. Taro Yuyama
once a day, Morning
4 days

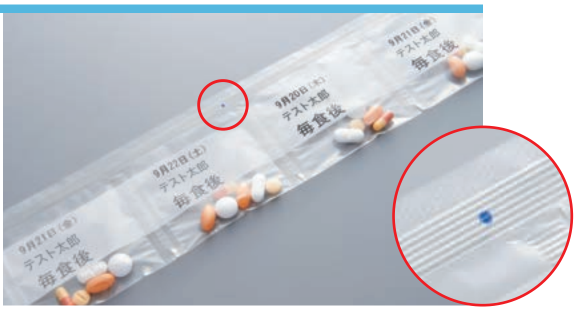
Qty : OK
Match : NG 1/4
Visual Check : NG 1/4

--------NG--------
2
User : Administrator

Barcode is printed on the check sheet of the remote check result. When a pouch is judged as NG and returned to the dispensing room, scan the barcode on the check sheet at the loading port of TabSight-S to retrieve the detailed result of NG pouch.

NG Marking UT PAT.

TabSight-S can mark a small dot on NG pouches. This function is very useful to identify NG pouches.



speed and high accuracy **(approx 1 sec per pouch*).** PAT.

Accuracy is more than 99.5% for counting and more than 97% for color and shape.

Packed tablets verification system

TabSight-S

Pouch packager with UC × TabSight-S
"Counting Mode" is recommended for users who want further speed-up of processing

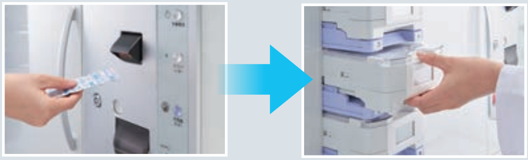
"Counting Mode" is recommended for pharmacies and hospitals where processing speed is important for checking large amount of prescribed drugs.
In "Counting Mode", shape and color of the tablets are also checked, but judgment of similar tablet is not displayed. The result is shown as OK (blue) or NG (red).

For DTA drug pouches, select pouch packager with UC. Drug barcode can be checked before packaging, which eliminates necessity of DTA, and further prevents incident.

Pouch packager with UC detects error before packaging

Litrea IV
PROUD

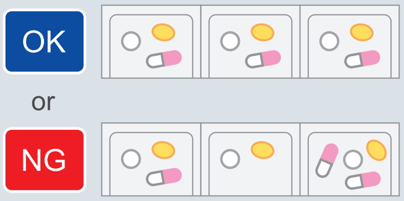
Check using GS1 data bar, and load the pouches



×

High speed check in "Counting Mode" by TabSight-S

TabSight-S



Automatic Winder (option) that neatly winds many drug pouches. It is convenient for use with TabSight-S. PAT.

Automatically winds pouches discharged from Yuyama pouch packager. It eliminates manual folding of long strip of drug pouches.
Load the wound drug pouches to TabSight-S from the last pouch. One roll of pouches can be checked continuously, which greatly improves the efficiency.
Available to wind approx 550 pouches* at a time.

* One dummy tablet with a pouch width of 80 mm.

Automatically winds a pouch strip.

Load the pouches into TabSight-S.

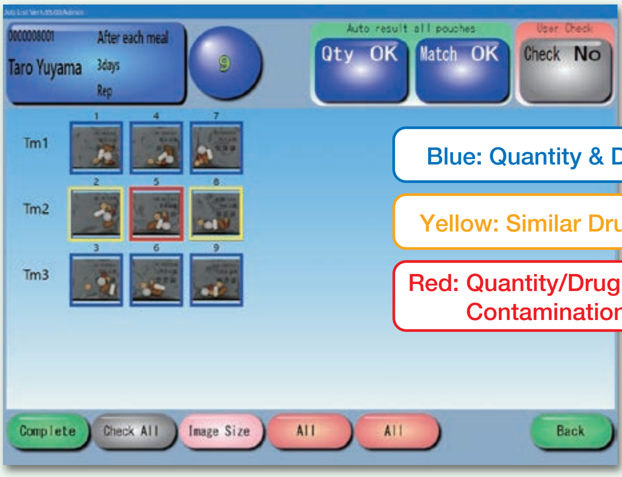
Precautions for use of TabSight-S

- TabSight-S is an inspection support device. Final check by pharmacists is mandatory.
- Tablets with similar color and shape are judged as doubtful (similar drug) because they cannot be correctly identified. Therefore, if many similar drugs are registered in Drug Master Registry, frequency of judgement as doubtful "similar drug" increases. (This frequency can be reduced by switching "Judgement Mode" options among "Match, DTA", "Match, Controlled Drug" and "Qty" on the maintenance screen. See page 5 for details.)
- Users are requested to register each drug in Drug Master Registry, by placing the drug on a gel-sheet of accessory master tray. Note that the drug used for registry cannot be used.
- If tablets overlap in a pouch and TabSight-S runs in Semi High Speed Mode or Normal Mode, use shake function to image and recognize tablets more properly (shake function can be turned off). Longer time is necessary for check when shake function is on.
- TabSight-S can be used for dedicated packing paper of Yuyama. Cellophane and Polyester, 70W (double folded) type. Transparent/White band/Solid white. Note that name-printed drug pouch cannot be used.
- TabSight-S can be used for pouches with printing with single color (black). Half type ribbon cannot print barcode, so prescription should be selected manually on the display.
- TabSight-S detects tablets/contamination over 3 mm ×3 mm. It cannot be used for powder (TabSight-S can check only tablets when the pouch contains tablets and powder). Also, it does not check deboss on a tablet.
- A drug not registered in Drug Master Registry is judged as contamination (unknown). Tablets overlapping each other in a pouch may be judged as "unknown".
- Dedicated Stand (option) is recommended for installation of TabSight-S. When a different stand is used, please make sure the load capacity must be 60 kg or more.
- Contact our sales representative for more details.

User-friendly interface
Users can use TabSight-S easily

1 Judgement Result List

Results judged by TabSight-S are displayed.
Select thumbnail for each pouch to view details (see **2** Individual Result List).


After each meal
Taro Yuyama
3days
Rep
Auto result all pouches
Qty OK
Match OK
User Check
Check No
Tm1
Tm2
Tm3
Complete
Check All
Image Size
All
All
Back

Blue: Quantity & Drug OK

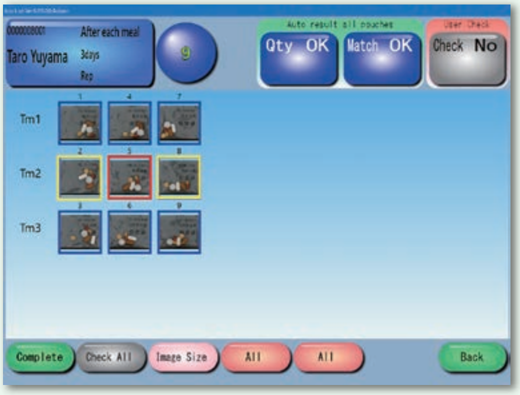
Yellow: Similar Drug exists

Red: Quantity/Drug incorrect, Contamination

Displaying results of all pouches

Result of continuous/repeated pouches is automatically sorted and displayed for each dosing time (dose 1, 2…). TabSight-S has a filter function that allows for view of OK pouches only or NG pouches only in terms of quantity, color or shape.

*Sample display mode

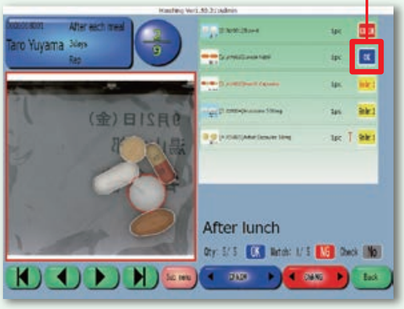

After each meal
Taro Yuyama
Qty OK
Match OK
Check No
Tm1
Tm2
Tm3
Complete
Check All
Image Size
All
All
Back

User can set the viewing mode to show only the result of the first pouch, intermediate pouch or last pouch.

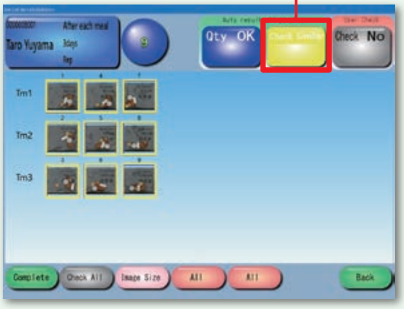
2 Individual Result List

Detailed result of each pouch is displayed. Press the visual check result (OK/NG) by Pharmacists (see **3** Visual Check List).

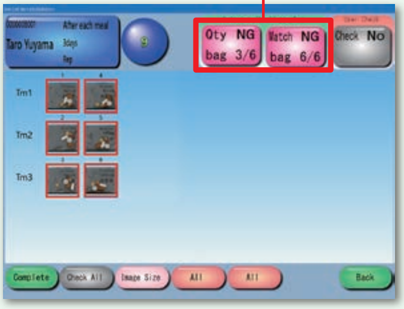
OK


Taro Yuyama
After each meal
After lunch

When it is judged as doubtful (similar drug exists, etc.)
(The number of similar drugs is displayed as well)


Taro Yuyama
Qty OK
Check No
Tm1
Tm2
Tm3
Complete
Back

NG

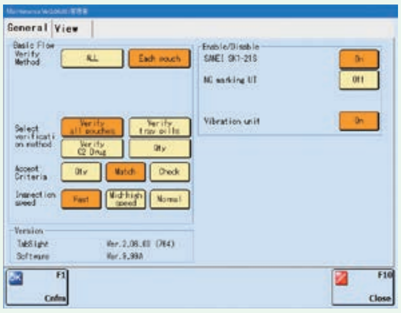

Taro Yuyama
Qty NG bag 3/6
Match NG bag 6/6
Check No
Tm1
Tm2
Tm3
Complete
Back

Packed tablets
verification system

TabSight-S

Select judgment modes according to the purpose

In TabSight-S, judgment mode can be selected from ① to ⑤ for "Yellow: Similar drug exists".
PAT.


General
View
F1
Cnfm
F10
Close

Basic Flow Verify Method: ALL / Each pouch
Select verification method: Verify all pouches / Verify tray pills / Verify C2 Drug / Qty
Accept Criteria: Qty / Match / Check
Inspection speed: Fast / Mid-high speed / Normal
Enable/Disable
SANEI SKT-21S: On
NG marking UT: Off
Vibration unit: On
Version
TabSight Ver.2.08.03 (764)
Software Ver.9.98A

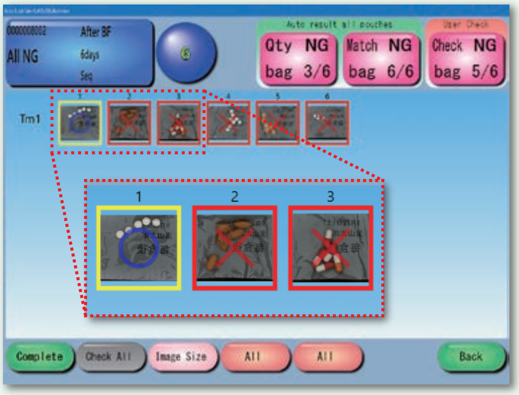
Maintenance screen

	Mode	Similar Judge Target	Contents
①	Match, All pouch	All drug	When collation target drug is registered in Similar Drug Master, the judgement will be yellow.
②	Match, DTA	DTA Drug*1	When DTA Drug is registered in Similar Drug Master, the judgement will be yellow.
③	Match, Controlled Drug*2	Controlled Drug*1	When Controlled drug is registered in Similar Drug Master, the judgement will be yellow.
④	Match, DTA & Controlled Drug	DTA Drug & Controlled Drug*1	In case of compound condition of above ② & ③, the judgement will be yellow.
⑤	Qty	No display Similar Judgement	When Qty is matched, the judgement will be OK. But when it is NG (Unmatched color, Unknown, Shortage, Excess), NG judgement will be displayed.

*1 Even if drug is other than "Similar Judge Target", the judgement will be yellow when similar drug exist in one pouch, or the judgement will be red when it is NG (Unmatched color, Unknown, Shortage, Excess).

*2 In default setting, Strong Drugs, Poisons, Narcotics and drugs not registered in Mother Master are set as "Controlled Drug". However, it can be changed by the user.

3 Visual Check List


After BF
All NG
6days
Auto result all pouches
Qty NG bag 3/6
Match NG bag 6/6
User Check
Check NG bag 5/6
Tm1
1
2
3
4
5
6
1
2
3
Complete
Check All
Image Size
All
All
Back

Visual check result screen

The result of visual check (○ or ×) for each pouch is displayed on the thumbnail screen. User can identify the pouches already checked and those not checked at a glance.

Check Sheet

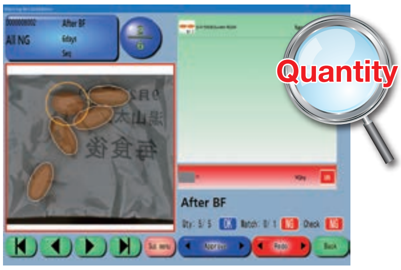
Results are also printed out from installed Journal Printer.

[NG]
Check Result
20XX/XX/XX 10:27:38
'0000009003
Mr. Taro Yuyama
once a day, Morning
4 days

Qty : OK
Match : NG 1/4
Visual Check : NG 1/4

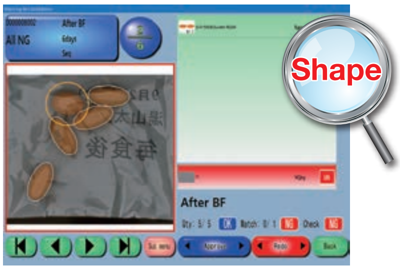
--------NG--------
2
User : Administrator

Check quantity based on prescription data.


Quantity
All NG
After BF
After BF

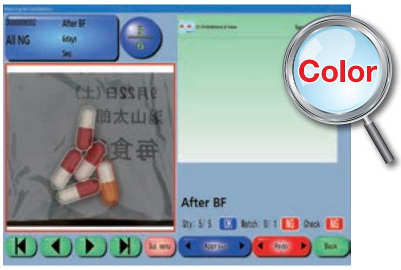
⚠ One pouch should contain 6 tablets, but it contains only 5 tablets.→NG

Strictly check the difference in shape which is difficult to be identified.


Shape
All NG
After BF
After BF

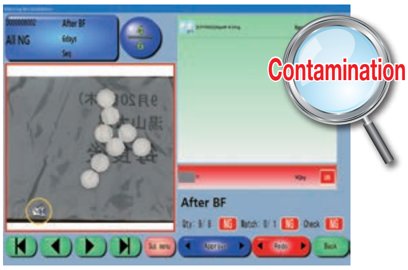
⚠ Prescription is "Juvela N 5 tablets". The pouch is judged OK in terms of quantity, but it contains Kenton tablet, a tablet similar to Juvela N tablet in color and shape.→NG

Check color of tablets.


Color
All NG
After BF
After BF

⚠ Quantity is OK with 5 tablets, but the color of one tablet is wrong. →NG

Check not only error of tablets, but also contamination.

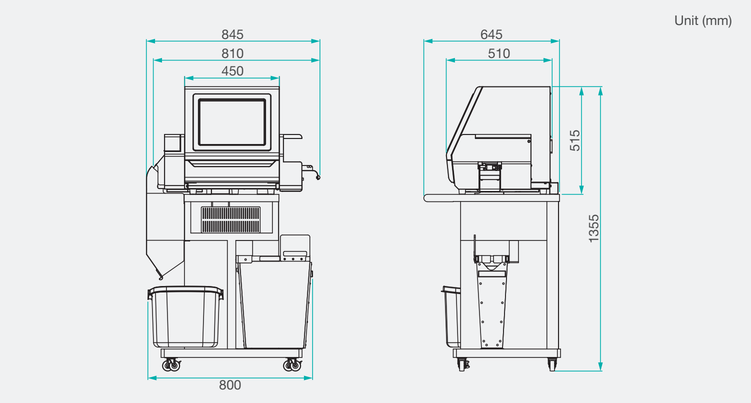

Contamination
All NG
After BF
After BF

⚠ There is a piece of blister sheet in the pouch.→NG

Spec

Product Name	Packed Tablets Verification System “TabSight-S”
Model No.	YS-TPMS-01
Size	Main: W810 × D510 × H515 mm Dedicated Stand: W845 × D645 × H1355 mm
Weight	Main: Approx 60 kg, Dedicated Stand: Approx 25 kg
Power Consumption	300VA (MAX)
Power Supply	AC100V±10% 50/60Hz *Two inlets are needed to supply power to this device.
Function	Checking Qty, Color and Shape in each pouch.
Speed	High Speed Mode: Approx 1.0 sec per pouch, Semi High Speed Mode/Normal Mode: Approx 1.2 sec per pouch *Under the conditions that pouches containing 5 tablets in 5 different types are scanned without High Resolution Mode and re-check. *Longer time may be necessary under different condition.
Max Qty in a pouch	25 types 25 pcs (MAX). *Tablets must not be overlapped and occupied over 30 to 40%
Applicable pouch and size	Dedicated packing paper of Yuyama. Cellophane and Polyester, 70W type. Transparent/White band/Solid white. Name-printed drug pouch cannot be used. Width 60 to 90 mm.
Applicable Ink Ribbon	Single color (Black) *Half type ribbon cannot print barcode, so prescription should be selected manually on the display.
Applicable Tablets	Over 3×3 mm Tablet. *1/2 tablets, 1/4 tablets and transparent tablets are available. Powder is unavailable. When the pouch contains tablets and powder, tablets are only checked.
Data Storage	100 days (MAX)
Standard Accessories	Journal Printer, built-in Barcode Scanner for prescription verification, NG Marking UT
Number of pouches per load	1 to 999 pouches *One pouch to print barcode is necessary after the last pouch containing drugs
Options	Dedicated Stand (recommended), Housing Fix Stand, Automatic Winder, Remote Check Function

Size



TabSight-S can be integrated with various pouch packagers* of Yuyama, including PROUD and Litrea Ⅲ.

Since prescription is checked automatically based on the data issued by Yuyama pouch packager, the efficiency of tablet inspection can be dramatically improved.

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ISO 9001:2000
JQA-QM5424

ENVIRONMENTAL SYSTEM
JQA-EM3387

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:
www.yuyamarx.com