

Scanner Type Grain Analyzer for Color and Shape

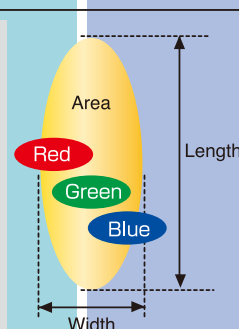
GRAIN SCANNER 2

RSQI10B

GRAIN SCANNER 2

Various Measurement Items

- Measurement Items
- Area
 - Length
 - Width
 - Circularity
 - Aspect ratio
 - Color (Red, Green, Blue, L*a*b, etc.)



Various Kinds of Grain



The Grain Scanner can measure many items like color and shape information from each grain.

Grain Scanner can measure the appearance of various kinds of grains.

Variety of Output

Data Output

The user can store the measurement results and check them from the list. The listed results along with the result of each grain are available in CSV format. (The data is compatible with Excel).

Classification Criteria Output

Created classification criteria can be exported to a file for use with other pc software.

Image Output

The image can be exported in bitmap format.



Specifications

Model		RSQI10B
Testable Materials		Rice (Short or Long Grain / Brown or White Rice), Beans, Wheat and Other Grains
Imaging Method		Light Source : LED (White) Sensor : CCD (Color)
Dimensions		(L)270mm x (W)480mm x (H)111mm
Weight		Approx.4.6kg
Measuring Speed		1000 grains / 60 seconds (Rice)
Measuring Items	Color	Red/Green/Blue, L*a*b, Darkness, Counting red, yellow, etc., Whiteness, etc.
	Shape	Area, Length, Width, Circularity, Aspect ratio, Perimeter, etc.
Test Criteria		User's own settings
Usage Environment	Temperature	15-30 degrees
	Humidity	10-90% PH (No condensation)
Supported OS		Windows XP/VISTA/7/8/8.1
Accessories		Material tray, Mini tray, Background plate, Measuring cup, Brush, Calibration plates, Tweezers, etc.

* PC is excluded.

* Software and manuals for the machine can be downloaded through SATAKE's homepage. An internet connection is required.

* The performance can not be guaranteed when illegitimate or illegal OS is used.

The image processing used in this equipment has been provided by Yoshinari Morio, an associate professor at Mie University.

All Satake products are the subject of continuous development and, as a result, their specification may change and differ in detail from those shown.

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ISO 9001 Certification
(Quality Management Systems)

ISO 14001 Certification
(Environmental Management Systems)

SATAKE CORPORATION has obtained
ISO9001 and ISO14001 certification.
These international standards for management
systems ensure Satake will continue to provide
high quality products and services.

FROM MANUAL TO DIGITAL PROCESSING

Quickly determine the quality of many types of grain by analyzing their color and shape.

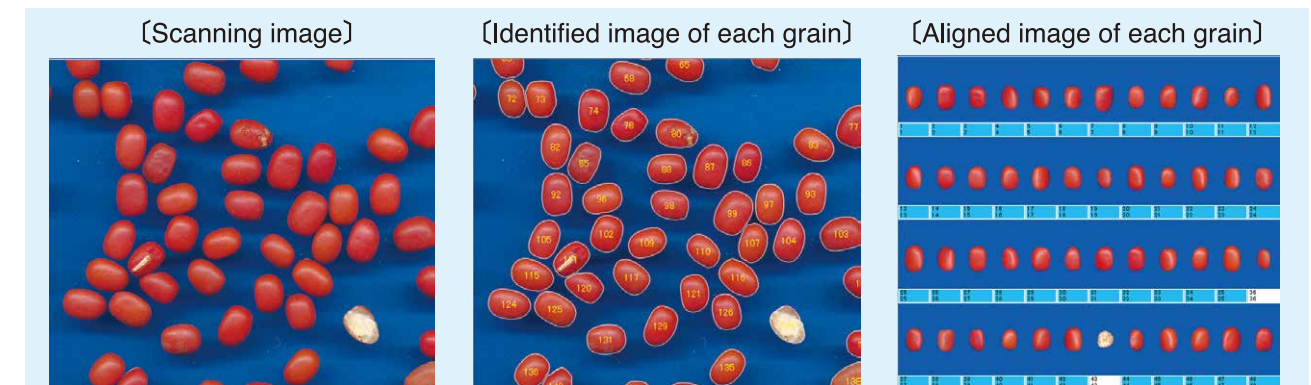
The Grain Scanner 2 can store color and shape information for every individual grain as digital data. One scan can be done about 60 seconds. It makes evaluating grain quality objectively possible.



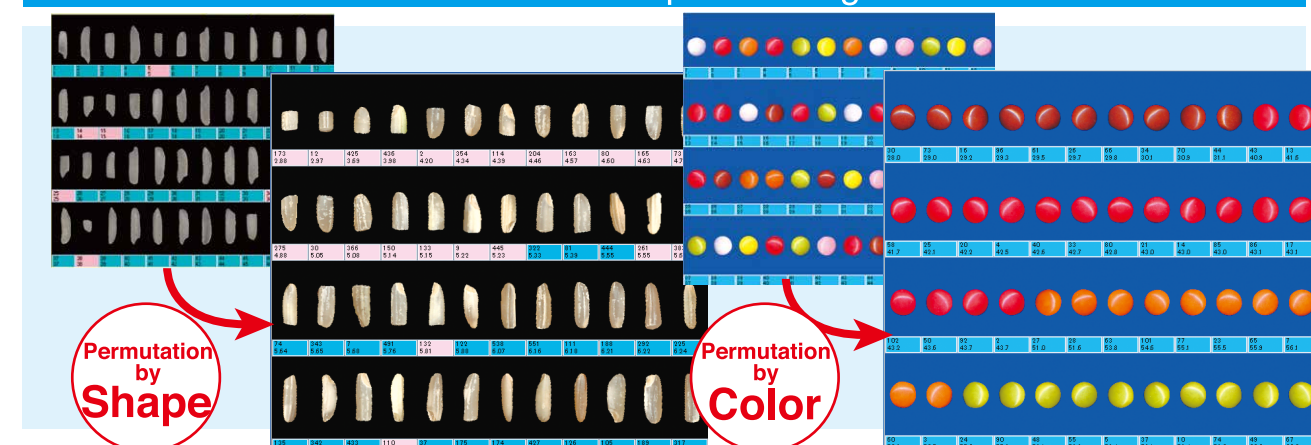
Easy Operation!



High-precision Measurement!



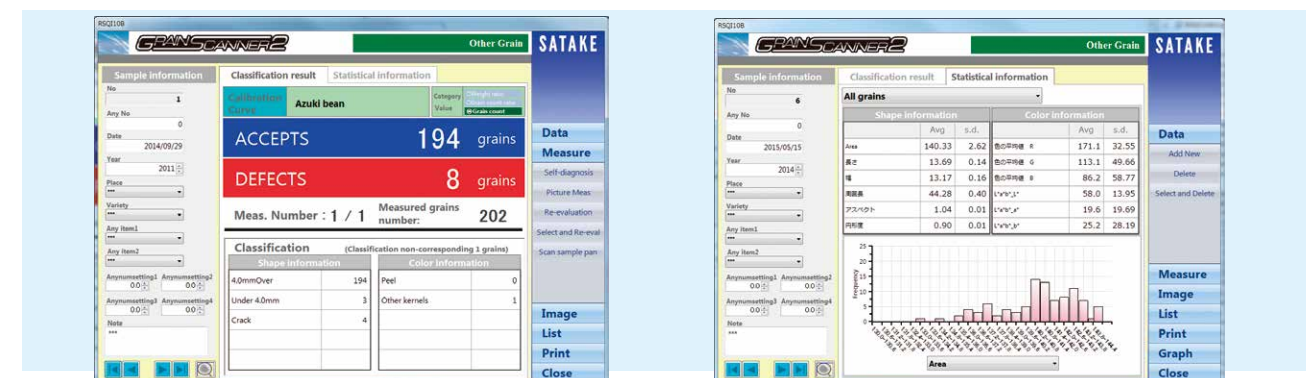
Possible to Manipulate Images



The user can sort the images by color and shape information and check the condition of each grain.

Abundance of Results!

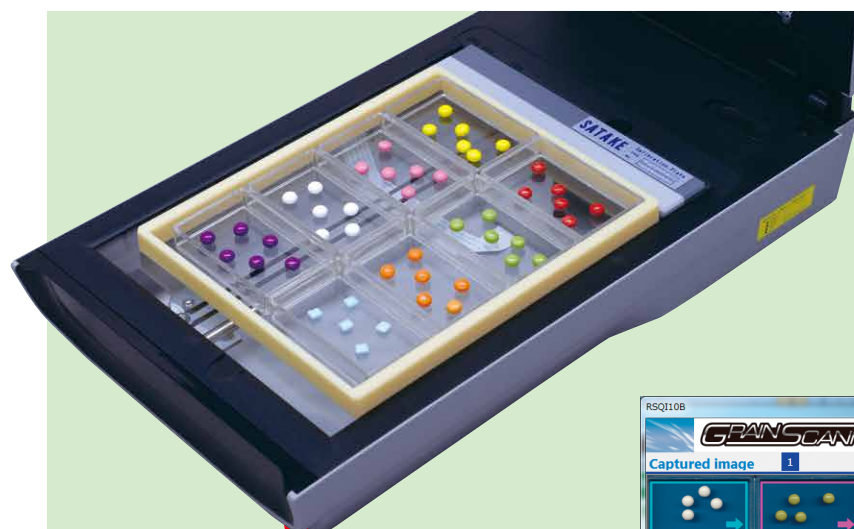
Classification Result



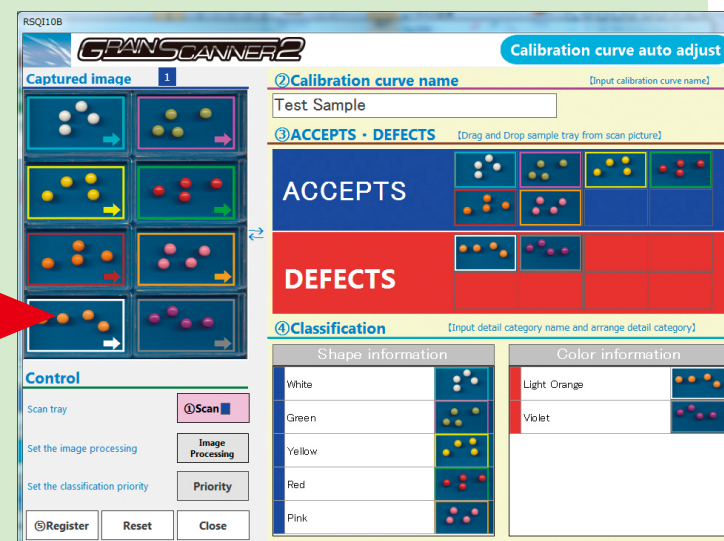
Results based on the user's own setup criteria, are available:- eg, various statistical analysis of grain size, shape and color, along with graphical charts.

Easy Set-up!

Easy creation of user's own classification settings



[Setting Screen]



Place the classified sample into the supplied mini tray.

Select accept/defect/detail from scanned data.