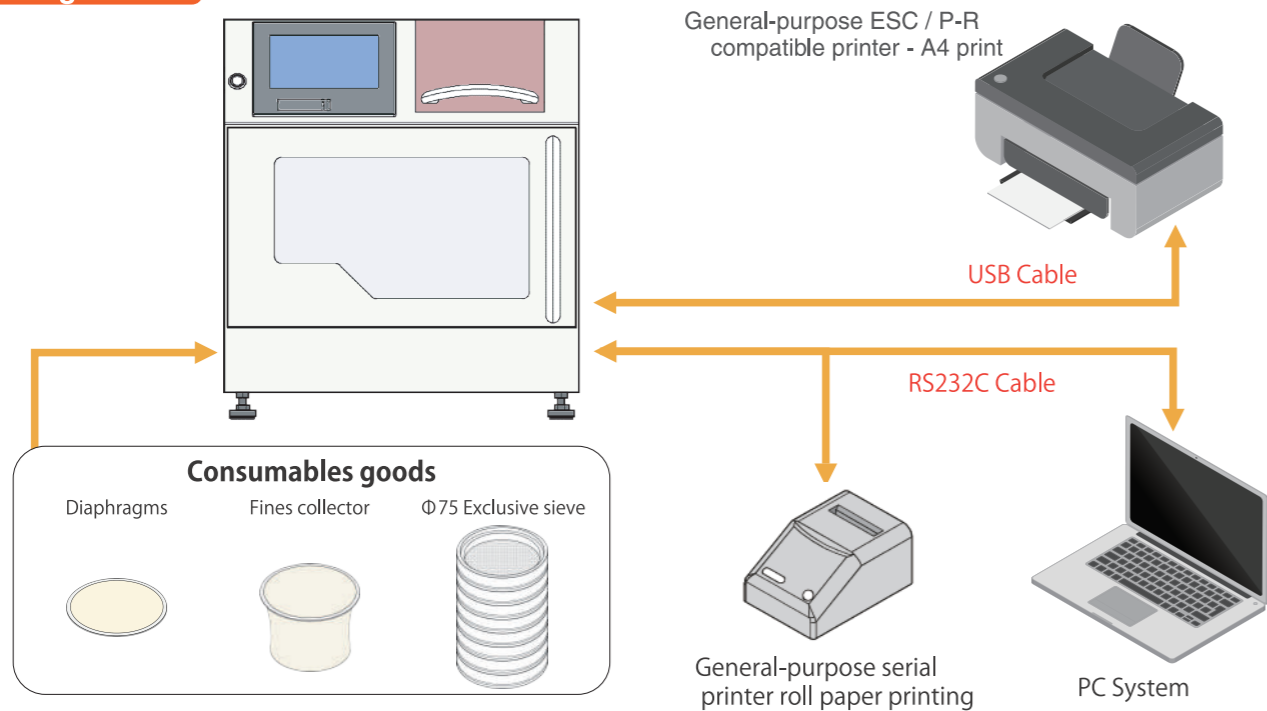


System configuration



Specification

ITEM	SPECIFICATION
SIEVE	Φ75 Exclusive sieve
DIMENSION	W500 × D540 × H555 mm
WEIGHT	Approx 70kg
POWER	Power : AC100 ~ 240V(50/60Hz), 120w
SIEVE STEPS / RANGE OF SIEVE OPENING	8steps (Option :10setps) / 5600 μm ~ 20 μm
SAMPLE CUP / VOLUME	1pc / 55ml
SONIC WAVE INTENSITY FREQUENCY	0 ~ 99step / 40 ~ 99Hz
TEMPERATURE RANGE	5 ~ 40°C
HUMIDITY RANGE	20 ~ 85% (No static electricity on the sheaves, No condensation)
EXTERNAL COMMUNICATION	USB2.0 1port (For ESC / P-R compatible printer) RS232C 1port (For PC or Serial printer)
TOUCH PANEL	Display size : 7inch wide, Color : 16million, Resolution : 800 × 480
BUILT-IN ELECTRONIC BALANCE	Maximum waighing : 2200g, Calibration : 2000g

- ※ The equipment which is mentioned in this catalog is made for general powders materials, but not for dangerous materials (poison, explosives). In the case of using it for dangerous materials, please give required process.
- ※ In the case of using the equipment in overseas, it is necessary to offer export country name, company name and use etc in advance. Please feel free to contact the person in charge. your kind understanding would be much appreciated.
- ※ The specification of goods and the pictures in this catalog will be changed without notice.

SEISHIN SEISHIN ENTERPRISE CO., LTD.

■ HEAD OFFICE	5-34-7, Sendagaya, Shibuya-ku, Tokyo, 151-0051	TEL:+81-3-3350-5771/FAX:+81-3-3350-5860
■ KITAKANTO BRANCH	740, Koga Koga Ibaragi, Japan, 306-0016	TEL:+81-280-32-3111/FAX:+81-280-32-3112
■ TOYAMA BRANCH	3F Toyama Center Bldg, 2-4-4 Sakura-machi, Toyama, Japan, 930-0003	TEL:+81-76-482-3602/FAX:+81-76-482-3603
■ NAGOYA BRANCH	5F IS Bldg, 2-5-13, Sakae, Naka-ku, Nagoya, Aichi, Japan, 460-0008	TEL:+81-52-220-1157/FAX:+81-52-220-1150
■ OSAKA BRANCH	4F, TEK Daiichi Bldg, 10-40, Hiroshiba-cho, Suita, Osaka, Japan, 564-0052	TEL:+81-6-6330-1231/FAX:+81-63-6330-1235
■ OKAYAMA BRANCH	1-6, Okamachi, Kita-ku, Okayama, Okayama, Japan, 700-0867	TEL:+81-86-233-0401/FAX:+81-86-235-0860
■ SHIKOKU BRANCH	3F, Teidai Bldg, 1-1-23, Miyawaki-cho, Takamatsu, Kagawa, Japan, 760-0005	TEL:+81-87-831-7001/FAX:+81-87-831-7234
■ UBE BRANCH	1-5-9, Nishihonmachi, Ube, Yamaguchi, Japan, 755-0052	TEL:+81-836-22-3711/FAX:+81-836-22-3714
■ KYUSHU BRANCH	2-3-23, Enokida, Hakata-ku, Fukuoka, Fukuoka, Japan, 812-0004	TEL:+81-92-433-1571/FAX:+81-92-433-1572
■ ARAKAWA FACTORY	9-37, Midori-cho, Kawaguchi, Saitama, Japan, 332-0027	TEL:+81-48-256-9101/FAX:+81-48-256-9104

URL : www.betterseishin.co.jp / e mail : overseas@betterseishin.co.jp

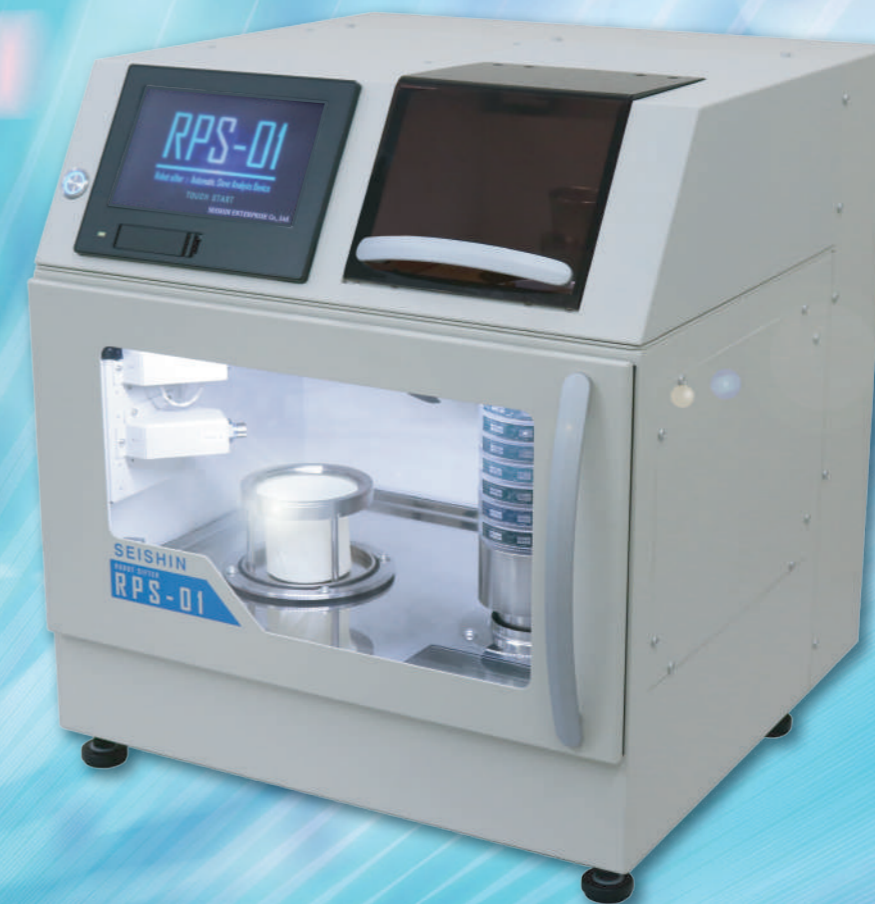
Inquiry

2019.06. 500.PP

ROBOT SIFTER RPS-01

AUTOMATED SONIC SIEVING PARTICLE SIZE ANALYZER

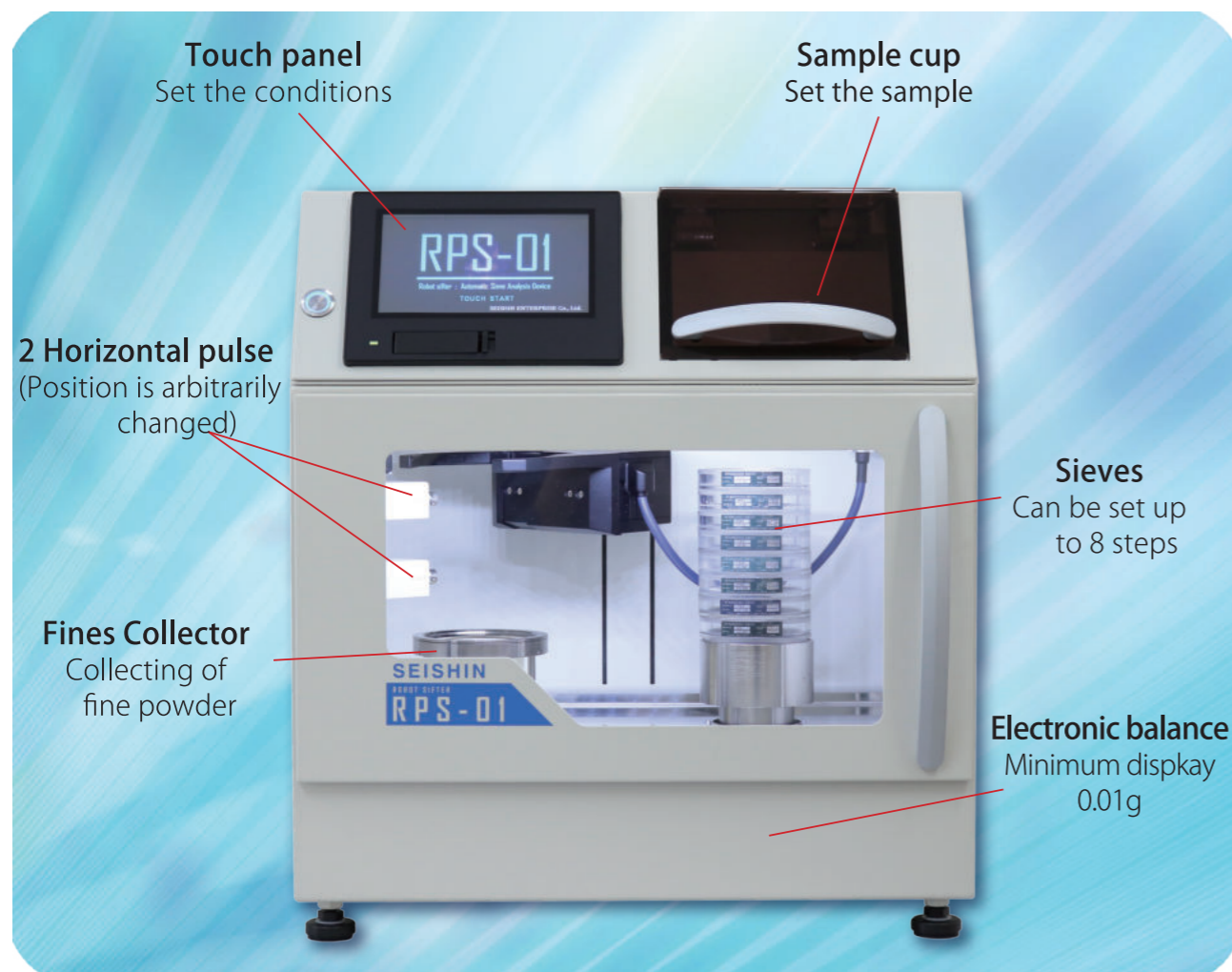
Ultra-high speed sieving particle size analyzer that match the needs of the times, such as data falsification prevention and automation



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In June 2019, the new robot shifter RPS-01 was born. The robot control technology for accurate position control and high-speed operation has been greatly adopted, and new functions have been added to make it easier to use.

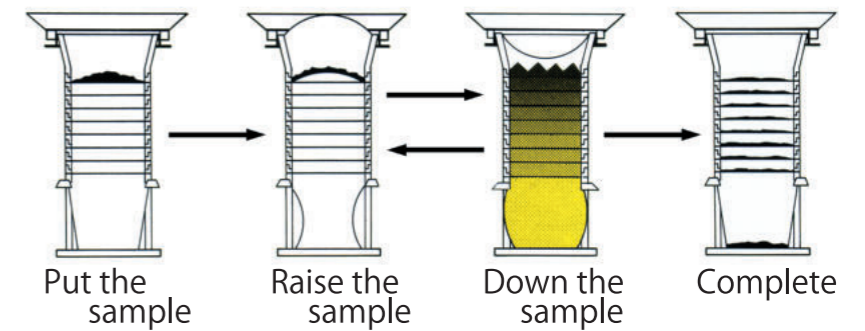
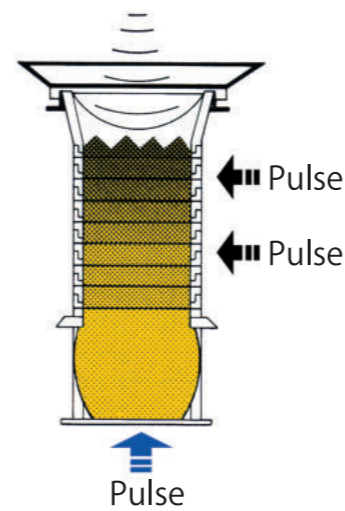
- Speed up of Robot hand**
High speed and high accuracy operation compared to the old model.
- Improved clogging prevention function**
The strengthening of the knocking mechanism improves the clogging prevention performance of the sieve screen.
- Free power supply**
Device input voltage supports AC100 to 240V.
- Sonic wave smoothing function**
Unique robot shifter function that suppresses sample aggregation at the start of sieving.
- Adoption of 7inch touch panel**
The screen size has been increased, and the operability has been improved. Video and audio guidance function.
- In consideration of data tampering prevention**
Supports security function of operation screen and storage of operation log data.
- Data output**
We changed printer to external connection and made it selectable according to use. It supports from conventional roll paper to A4 paper printer.



Sonic sieving principle

By vibrating only air inside of closed sieves, sample on the sieves continues acyclic vertical movement. Sample jumps up from the sieves every half cycle and returns on the sieves next half cycle. Some of the particles pass through the sieves and the others remain on the sieves. This principle minimizes abrasion of sample and sieves.

For prevention of adhesion and clogging, pulses also mechanically hit on the bottom and sides of sie



Measurement flow



- 1 Set the sample/Start measurement
Appropriate quantity of sample is set and measurement is started
- 2 Sieve weighing/Input the sample
Measure sieve tare weight and sample weight
- 3 Sieving
Classify for a set time.



- 4 Move sieves(after classification)
After classification, sieves are moved to weighing section
- 5 Sieves weighing
Weighing each sieves
- 6 Calculate and print out data
Calculating and print out measurement result