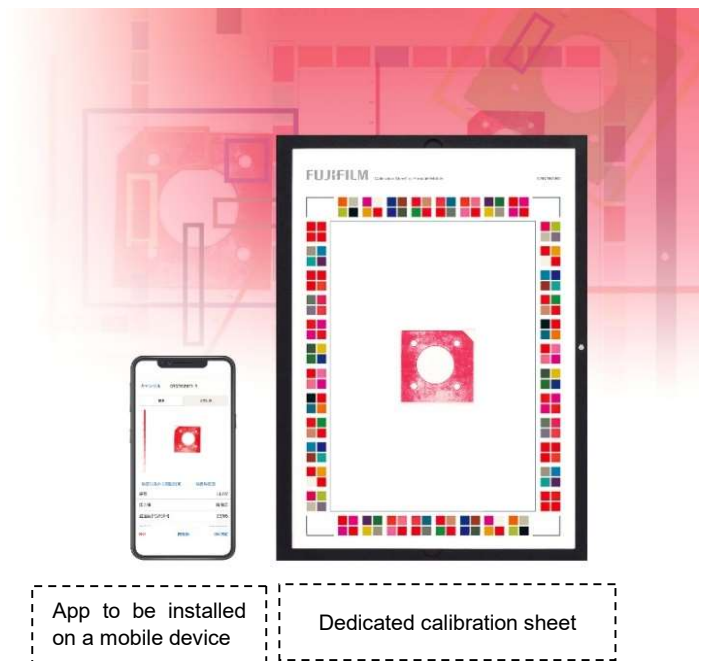


Fujifilm launches world's first mobile app "FUJIFILM Prescale Mobile" that quantifies pressure based on color development on pressure measurement film
Simple workflow for highly-accurate pressure testing, contributing to DX at testing sites

TOKYO, July 1, 2022 -- FUJIFILM Corporation (President and CEO, Representative Director: Teiichi Goto) announces the launch of the pressure image analysis app "FUJIFILM Prescale Mobile," designed for use with pressure-measuring film "Prescale," on July 1.

"FUJIFILM Prescale Mobile" allows users to easily quantify pressure by capturing a color-developed "Prescale" with mobile device. This is the world's first mobile app*¹ that can quantify pressure from a color development on the pressure measurement film.

"Prescale" is pressure measurement film that uses Fujifilm's unique microcapsule technology*² and high-precision coating technology*³ to easily measure pressure distribution and range. Prescale shows the color red where pressure is applied, with color density varying according to the amount of pressure. Users can check pressure distribution of the entire surface at a glance. The film is used in a wide range of fields including the development and manufacturing of displays, electronic parts, circuit boards, automobiles and batteries as well as pressure testing at food packaging production lines. "FUJIFILM Prescale Mobile" caters to the growing needs for high-precision pressure testing in the midst of accelerating use of factory automation in production processes, reinforced requirement for traceability, and the spread and expansion of 5G and self-driving vehicles.



App to be installed on a mobile device

Dedicated calibration sheet

FUJIFILM Prescale Mobile makes use of Fujifilm's advanced image processing technology to quantify pressure from color development on the Prescale film. By following a simple workflow of placing the color developed Prescale film on a dedicated calibration sheet and capturing it with a mobile device that has this app installed, users can obtain numerical values for 9 types of pressure information including maximum / minimum pressure, average pressure and pressured area. Users can also specify up to six testing areas of any size, and view pressure information for each of these areas to perform highly-precise pressure testing with ease.

The app offers the "superimposing function," in which a boundary sample image that reflects a standard in an inspection can be registered and placed over images to be inspected within the app to

visualize differences in pressure values, as well as the “auto-judgement function,” in which conditions for pressure information (pressure threshold value and range) are defined so as to pass samples that meet the criteria with the rest being rejected as fail. These functions mitigate lack of consistency caused by a visual check, thereby further improving the quality of pressure testing.

FUJIFILM Prescale Mobile also enables the use of data imported into a mobile device, meeting the needs of the DX era. Fujifilm strives to provide new value by further evolving this app, e.g. introducing new analysis functions and a cloud system for managing and storing pressure testing data, gathered with FUJIFILM Prescale Mobile.

Fujifilm will continue to contribute to further improvement of testing accuracy by developing and supplying products that facilitate digitization and streamlining of testing work at the forefront of development and manufacturing operations.

*1 As of July 1, 2022, according to Fujifilm data

*2 Technology for producing tiny spherical capsules that measure several to several tens of microns and contain multiple functional materials inside

*3 Technology for evenly applying thin film measuring several to several tens of microns in thickness

1. Product name: Pressure image analysis app “FUJIFILM Prescale Mobile”

2. Release date: July 1, 2022

3. Price:

Product name		Qty	Standard end-user price (incl. tax)
①	FUJIFILM Prescale Mobile perpetual version	1	Open
②	FUJIFILM Prescale Mobile one-year version	1	Open
License versions		Qty	Standard end-user price (incl. tax)
③	FUJIFILM Prescale Mobile perpetual license version	1	Open
④	FUJIFILM Prescale Mobile one-year license version	1	Open

4. Main features:

(1) Quantifying pressure to enable highly-accurate pressure testing with a simple workflow

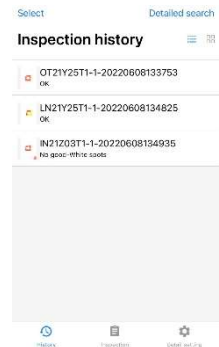
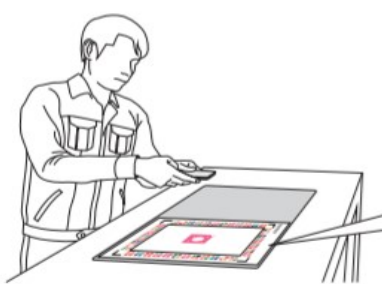
- Anyone can easily quantify pressure by following a simple workflow of placing the color-developed Prescale film on a dedicated calibration sheet and scanning it with a mobile device that has this app installed.
- Users can obtain numerical values for 9 types of pressure information including maximum / minimum pressure, average pressure and pressured area. They can also specify up to six testing areas of any size, and view pressure information for each of these areas to perform highly-precise pressure testing, which is carried out at a wide range of development and manufacturing sites.

< Pressure information that can be obtained in numerical figures (9 types) >

Maximum pressure (MPa)	Minimum pressure (MPa)	Average pressure (MPa)
Effective rate (%)	Pressured area (mm ²)	Weight (N)
Measured area (mm ²)	Uniformity [Pressure] (%)	Uniformity [Density] (%)

- It is also possible to show a boundary sample image that reflects the standard for a test alongside an inspection image. Inspection data can be accumulated, available for referencing any time.
- Data saved in a mobile device can be exported into a CSV format for use in computers, etc. for enhanced data use.

【“FUJIFILM Prescale Mobile” workflow】



Capture a color developed Prescale film with a mobile device that has FUJIFILM Prescale Mobile installed.

The app processes and converts the captured image into pressure data and displays it on the screen. Enter information (temperature, humidity, etc.) required to determining pass / fail and enter the judgment.

Save the data in the mobile device, or export it to a CSV file for use on computers.

1. Capturing a Prescale film
2. Checking the captured data (inspection, evaluation)
3. Saving data

(2) Convenient analysis functions to further improve the quality of pressure testing

- The app offers the “superimposing function” that allows users to compare a pre-registered boundary sample image against a testing image. Pressure differences are shown by colors to easily check how even pressure is distributed.
- The app also features the auto-judgment function, in which conditions for pressure information (pressure threshold value and range) can be defined so as to pass samples that meet the criteria with the rest being rejected as fail. The function enables accurate and speedy testing.
- These analysis functions mitigate lack of consistency caused by a visual check on Prescale films, thereby further improving the quality of pressure testing.

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