

FUJIFILM

Pressure Image Analysis System



**PRESCALE
MOBILE**

PORTABLE + PRECISE®

Prescale Mobile

Getting the Most Out of Your Contact
Pressure Indicating Sensor Film



*A revolutionary new and powerful tool taking surface
pressure mapping to the next level.*

FujiFilm Prescale® Mobile

Pressure insights on your phone - anywhere, instantly.



“Prescale Mobile lets sophisticated users extract more information from their pressure-indicating film faster and easier, so you can make better decisions on the production line or in the lab.”

Overview

Prescale Mobile turns your existing iPhone or iPad into a powerful pressure-analysis tool. Install the software, capture the used Prescale film with your device (phone or iPad) camera, and get quantified results and rich statistics in seconds. It's mobility without compromise: easy to implement, easy to use, and cloud-ready for teams that need precision and quantification in seconds.

Become a power user of Prescale pressure indicating sensor film. Prescale Mobile lets sophisticated users extract more information from their pressure-indicating film faster and easier, so you can make better decisions on the production line or in the lab.

Benefits

- 1. True mobility**
Inspect anywhere - shop floor, lab bench, or field - using your existing phone or tablet and its camera.
- 2. Fast time-to-insight**
Point, capture, quantify. Automatic measurements and pass/fail judgments reduce operator variability and speed approvals.
- 3. A wealth of statistics**
From area and average pressure to uniformity, standard deviation, and more-turn color into decision-grade numbers.
- 4. Built for traceability**
Save results, compare against a baseline, superimpose differences, and keep a searchable history.
- 5. Cloud-connected**
Link to FujiFilm Prescale Analysis Cloud to centralize data and enable multi-license, multi-user access.

Key Features

Side-by-side comparison: View sample and inspection images together to spot changes quickly.

Superimpose differences: Overlay boundary and inspection images; see where pressure increased/decreased at a glance.

Key Features (Cont.)

- Auto-Judgement (pass/fail):** Define thresholds or ranges; the app judges automatically (up to three criteria combined).
- Customizable color bar:** Tweak colors to make pressure differences more noticeable for your use case.
- Flexible regions & frames:** Add multiple inspection frames (current versions support up to 50), exclude unwanted areas with the Eraser, and set cut-off pressure to ignore low-level noise.
- Data storage & export:** Save, review history, and export results for sharing with colleagues or for audits.
- Cloud integration:** Optional web application for centralized storage and advanced data utilization.

System Requirements

Devices & OS for Prescale Mobile	iPhone 16e, iPhone (iOS 16.0+) or iPad (iPadOS 16.0+). Languages include English, Japanese, Simplified Chinese, and Traditional Chinese. iPhone SE (2nd/3rd gen). iPad: 10th generation, iPad Air: 4th/5th generation, iPad mini: 6th generation, iPad mini A17.
Desktop Software	For the web application, we recommend Windows 10, Chrome, and a 1920×1080 display or higher.

What’s Included

- ✓ 2 × calibration targets
- ✓ 10 × protective sheets
- ✓ License documentation/handbook

License & calibration Free to download, but a license key and calibration sheet are required to use the product.

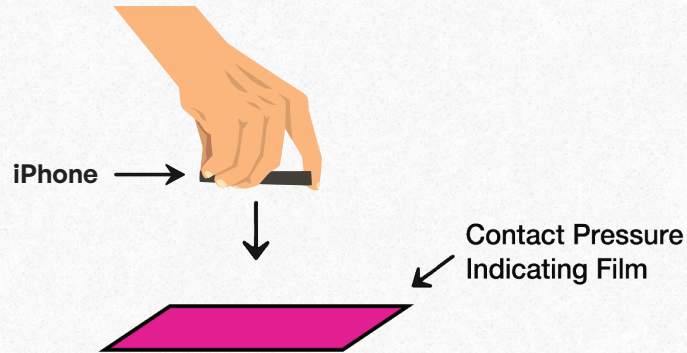
“ It’s mobility without compromise: easy to implement, easy to use. ”

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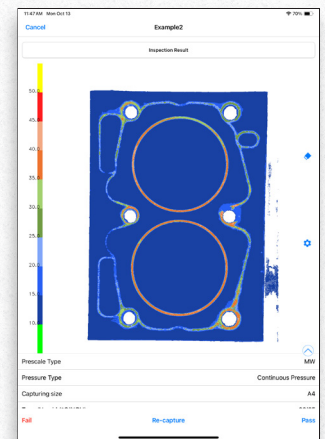
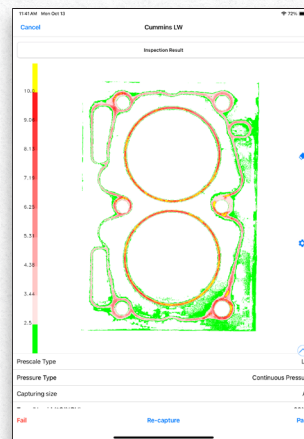
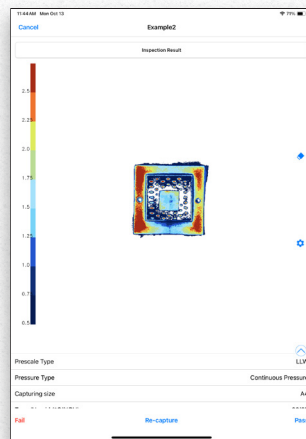
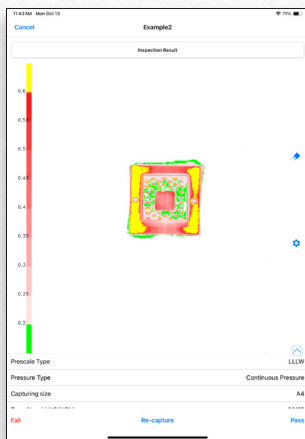
How to Photograph the Contact Pressure Indicating Film



Notes:

- A. Hold the camera (or phone) directly above the center of the contact pressure film image
- B. No flash
- C. No shadows

Image Examples



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Technical Specifications

Item	Unit	Description
Measured Area	mm ²	The size of the selected inspection area
Pressure Area	mm ²	The size of the colored area
Pressure Area Ratio	%	The percentages of the colored area within the measured area
Effective Rate	%	The percentages of the colored area within the recommended pressure range of the inspected Prescale
Custom Press Area	mm ²	The size of the specified pressure range area
Custom Press Area Ratio	%	The percentages of the custom press area within measured area
Average Pressure	MPa	The average pressure of the colored area
Maximum Pressure	MPa	The maximum pressure of the colored area
Minimum Pressure	MPa	The minimum pressure of the colored area
Pressure Efficiency	%	The effective rate
Weight	N	The weight of the colored area (pressure area multiplied by average pressure)
Pressure Uniformity	%	An index indicating the uniformity of pressure value on the colored area
OD Uniformity	%	An index indicating the uniformity of color density on the colored area
Scan Area	Up to A4 with the standard calibration sheet (A3 on request).	
Granularity	Pressure values available in 0.25 mm ² units (based on A4 calibration sheet)	
Usable Prescale Films	MW, MS, LW, LLW, LLLW, 4LW, 5LW, and High-Temperature Capable (Super Low LLW).	

Lighting Recommendations

Light Source	White LED, white fluorescent light
Light Temperature	5,000 - 6,000 K
Illuminance	500 - 900 Lux

The lighting recommendations correspond with JIS Z 9100:2010 IS (Japanese Industrial Standards). To ensure stable and consistent results, we recommend following the above lighting recommendations and using the same (phone/tablet) device for each test.