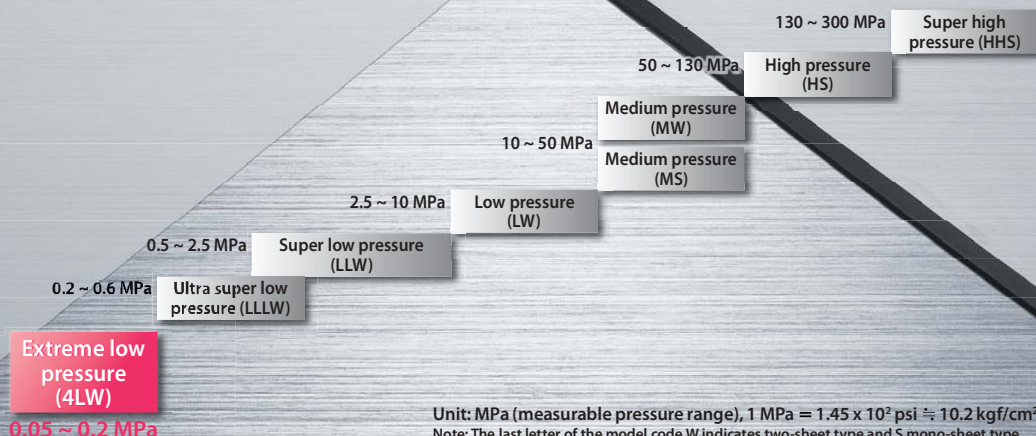




PRESCALE **Extreme low pressure**



**“Now Prescale’s pressure range
— down to 50 KPa! —”**



Unit: MPa (measurable pressure range), 1 MPa = 1.45×10^2 psi $\approx$ 10.2 kgf/cm²
 Note: The last letter of the model code W indicates two-sheet type and S mono-sheet type.

The only one film in the world that can visualize contact pressure

■ For higher quality and higher reliability

Easy visual check of distribution/
uniformity for contact pressure

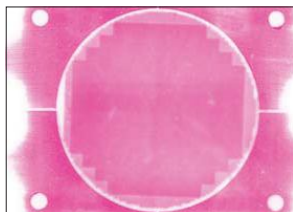
Contact pressure shown with differing concentrations
of color can even be converted into numbers.

■ Easy introduction for higher productivity

Lower cost with no special devices or equipment required

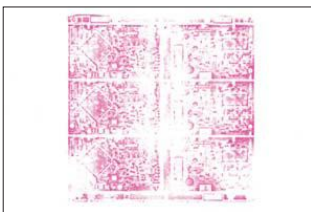
Quick measurement gives an at-a-glance picture.

Examples of application



■ Semiconductors

Adjustment of lamination roll pressure distribution
for back grinding tape and dicing tape



■ Printed circuit boards

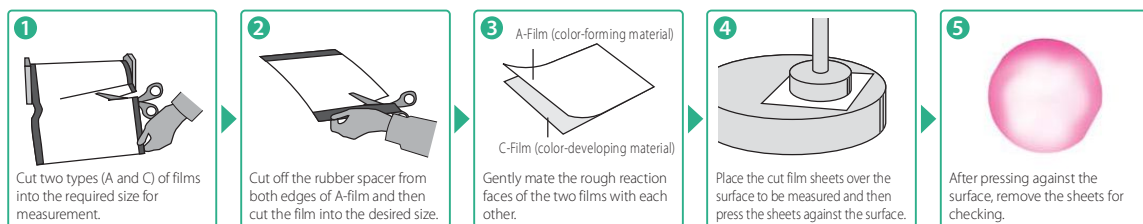
Adjustment of squeeze pressure distribution of
solder cream against printed circuit boards

■ Suitable for many other different applications

- Adjustment of pressure distribution of LCD panel assembly systems
- Adjustment of nip roll pressure balance of high-performance films
- Adjustment of pressure balance for lamination rolls
- Measurement of winding pressure for high-performance films
- Adjustment of pressure distribution for vacuum laminators
- Adjustment of polishing pressure distribution in semiconductor CMP processes
- Adjustment of lamination pressure distribution for multilayer printed circuit boards
- Adjustment of pressure distribution and flow check for fuel cell stacks

* The product may also be used for measurements other than those listed above. Please feel free to consult us.

Simple and easy to use

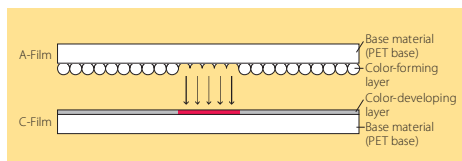


Note: Extra care should be taken in handling the extreme low pressure films. Do not touch, rub or bend the color-forming sheet surface.

Structure and principle (two-sheet type)

PRESCALE consists of two types of film: A- and C-films.

- A-Film : Base material (PET base) applied with color-forming material (microcapsules)
 - C-Film : Base material (PET base) applied with color-developing material
- The color-forming material side of A-film should be put over the color-developing material side of C-film. The mating pressure will break the microcapsules in the color-forming layer to give off the internal color-forming material. The color-developing material in C-film will absorb the color-forming material to develop red coloration through a chemical reaction.



Major specifications

Film type	Two-sheet type
Measurable pressure range	0.05 ~ 0.2 MPa = 7.25 ~ 29 psi ≈ 0.5 ~ 2 kgf/cm ²
Product size	Effective width: 310 mm x 3 m
Accuracy	±10% or less (measured by densitometer at 23°C, 65% RH)
Recommended service temperature	15 ~ 30°C = 59 ~ 86°F
Recommended service humidity	20% RH ~ 75% RH



* The specifications and performance data contained in this catalogue are subject to change without notice.

FUJIFILM
FUJIFILM Corporation



Distributed by: Spare S.r.l.
Via Gen.le Enrico Maretti, 1/A-1 - 27057 Varzi - Pavia - Italy
tel. +39-0383-54.51.51 - fax: +39-0383-54.50.51
<https://www.spare.it> - <http://www.prescale-film.com>
e-mail: sales@spare.it