

FUJIFILM

Pressure Measurement Film

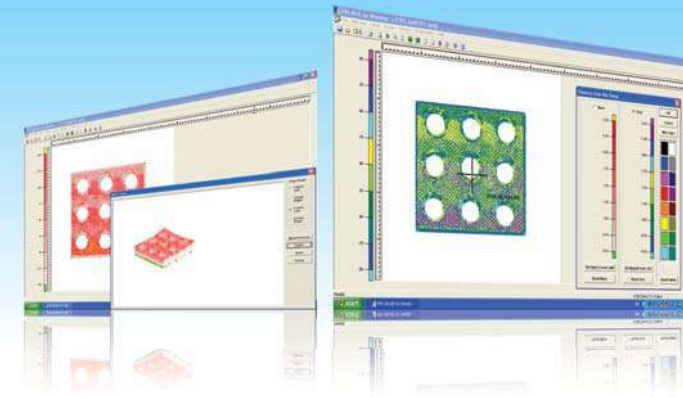
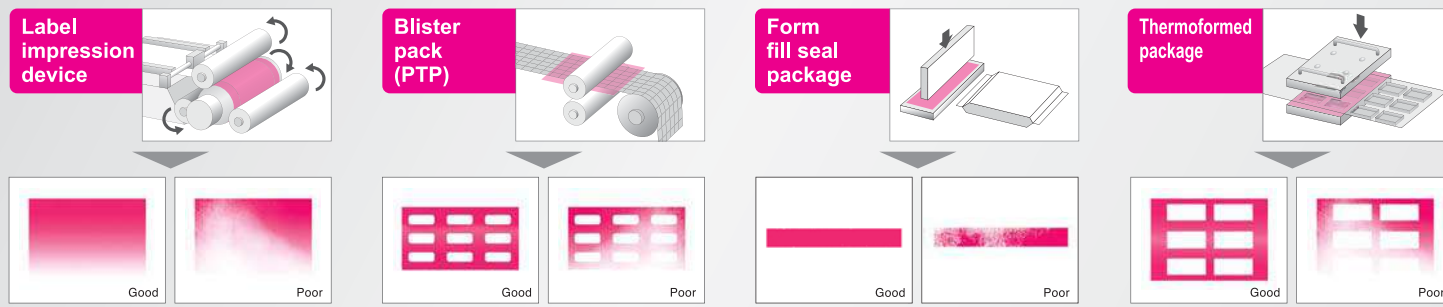
PRESCALE

Applications in the food and pharmaceutical industries



Versatile applications of Prescale for safety and security in the food and pharmaceutical industries

Prescale measurement results



Quality assurance

Trouble analysis

- Contact condition
 - Finger pressure
 - Sealing pressure
 - Contact pressure
 - Installation pressure
 - Balance
 - Pressure distribution
 - Impact pressure
- Medicines Foods Drinks

Quality requirement definition and maintenance in the R&D, production and logistics processes

Research and development

Package (containers/wrappers) design development

Design/development of anti-topple containers

- Installation pressure
- Medicines
- Foods
- Drinks

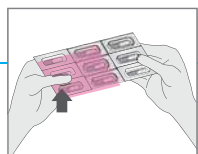
Pressure measurement for the bottom of a bottle



Finger pressure measurement when opening the blister pack (PTP)

- Finger pressure
- Medicines

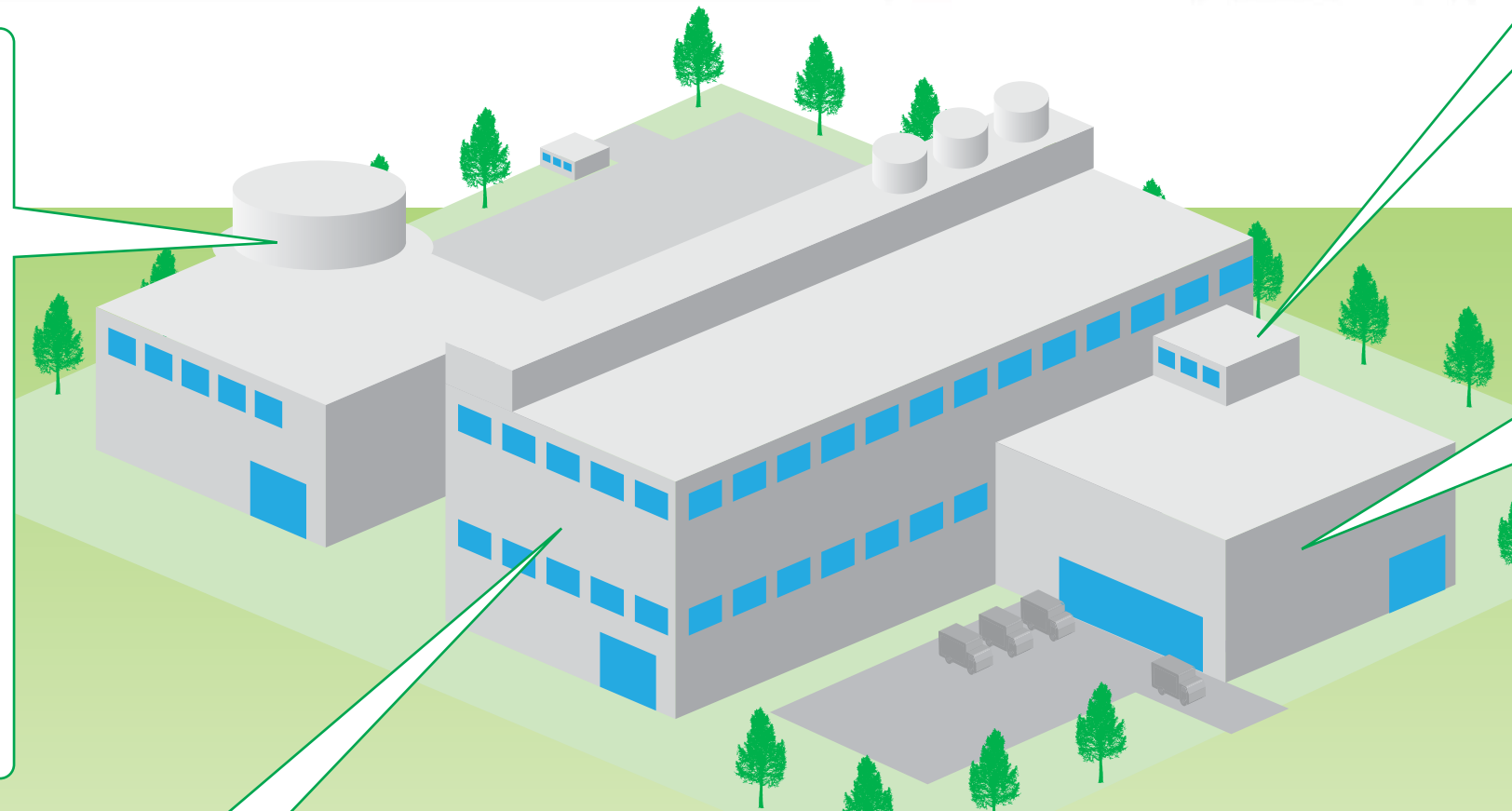
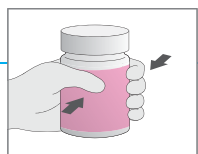
Finger pressure measurement when opening the blister pack (PTP)



Pressure measurement for chemical bottles

- Contact pressure
- Medicines

Measurement for bottle gripping pressure

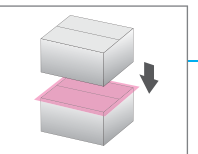


Logistics

Drop test/resistance test for transportation of piled packages

- Pressure distribution
- Foods
- Drinks

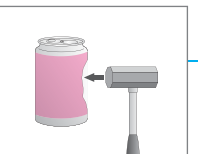
Pressure distribution check for the cardboard box with another one piled on top



Strength evaluation of PET bottles and cans

- Contact pressure
- Impact pressure
- Foods
- Drinks

Durability evaluation for PET bottles and cans during transportation



Production

Heat sealing of individual packages

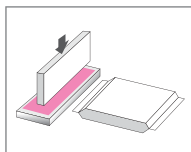
Sealing pressure check for the heat sealing film

- Sealing pressure
- Medicines
- Foods
- Drinks

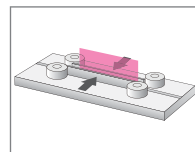
Form fill seal packages

(1) Sealing methods

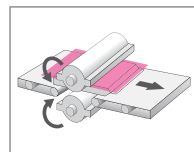
(a) End sealing



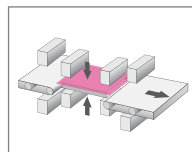
(b) Center sealing



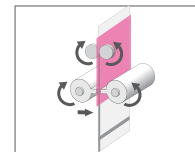
(c) Rotary end sealing



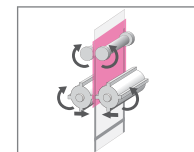
(d) Box motion end sealing



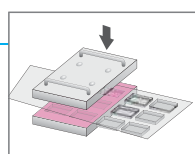
(e) Three-side sealing



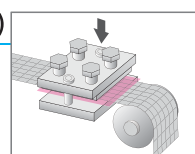
(f) Four-side sealing



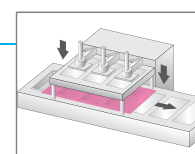
(2) Thermoforming pack



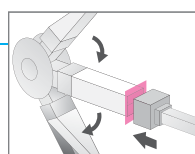
(3) Blister pack (PTP)



(4) Cup tray package



(5) Filling machine

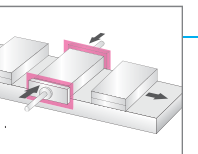


Carton package

Carton formers / closers

- Contact condition
- Foods

Pressure measurement for a box while being packed with the product

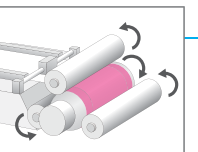


Other processes

Label impression device

- Balance
- Medicines
- Drinks

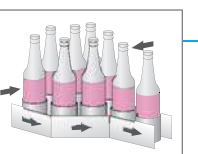
Balance check for the label impression device



Conveyor

- Contact pressure
- Drinks

Contact pressure measurement between products on the conveyor in the production line

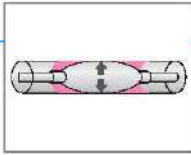


R&D of medical equipment

Catheters for treatment

Contact pressure

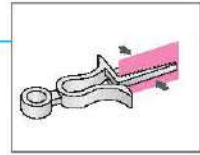
Contact pressure measurement between the blood vessel and inflated catheter balloon, to check their contact condition



Surgical clips

Contact pressure

Pressure distribution measurement between the blood vessel and ligating clip, to check its contact condition



Surgical clamp forceps

Contact pressure

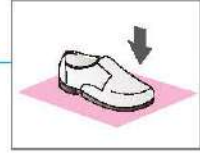
Contact pressure measurement between a blood vessel and the clamp forceps grasping/compressing it



Pressure measurement for body part surfaces

Contact pressure

Pressure measurement for a body part surface and check of its contact condition



Fuji Digital Analysis System for Prescale

FPD-8010E



Colorized Prescale is digitized using a scanner and converted into numerical data by software.

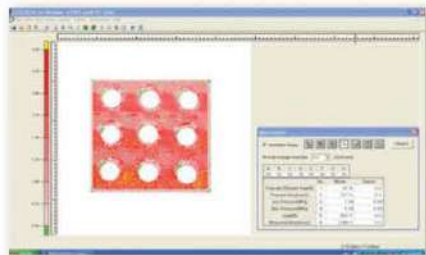
Various pressure analyses can be conducted.

The FPD-8010E converts Prescale pressure values into numerical data. It is a pressure mapping analysis system that allows various methods of analysis. In order to make Prescale data even more useful, we will meet your requirements for converting it to numerical data, saving data and performing data analysis.



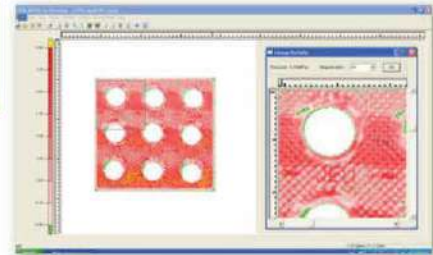
Functions

Overall Measurement



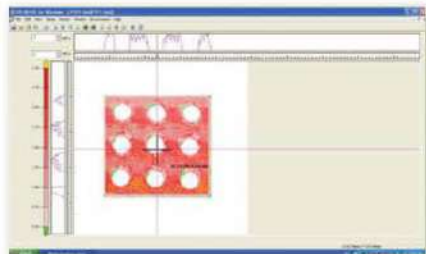
Various data such as average pressure and maximum pressure are displayed.

Partial Enlargement



The specified field is enlarged. (4x, 8x, 16x) Pin point pressure values can be displayed on the image.

Pressure Cross Section



Pressure distribution on a line passing through a specified point is shown on a line graph.

Wire Frame



Pressure is displayed in 3-D format.