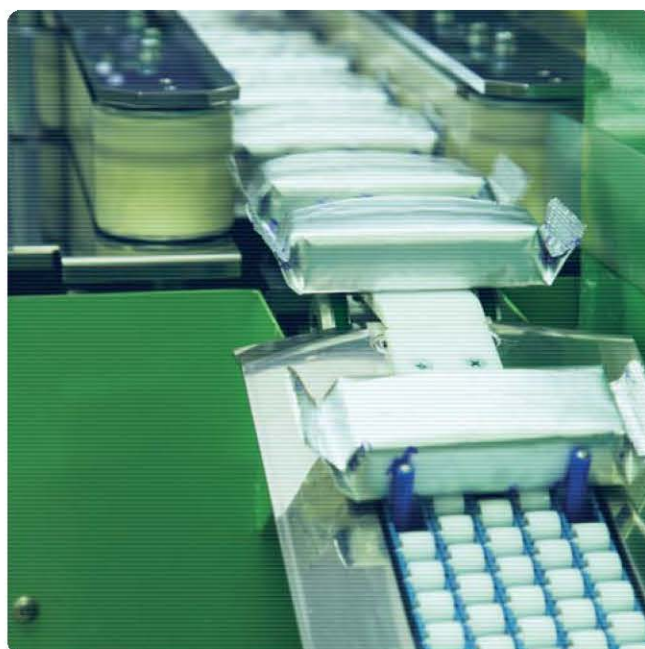


# FUJIFILM

## Pressure Measurement Film

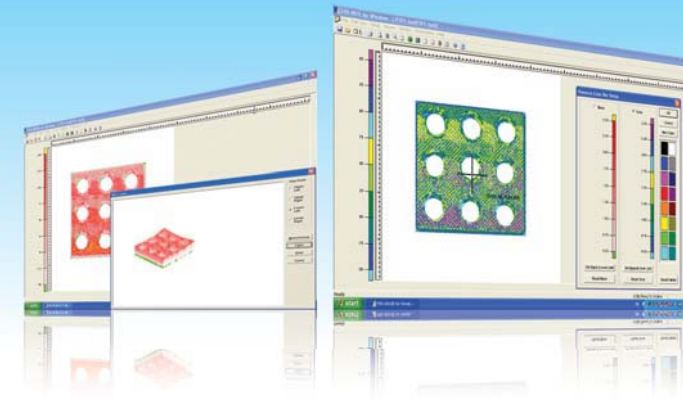
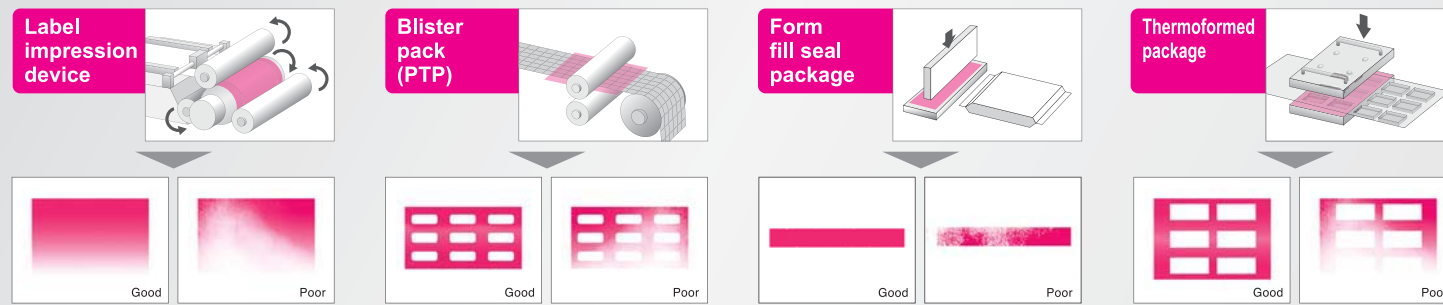
# PRESCALE

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



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)

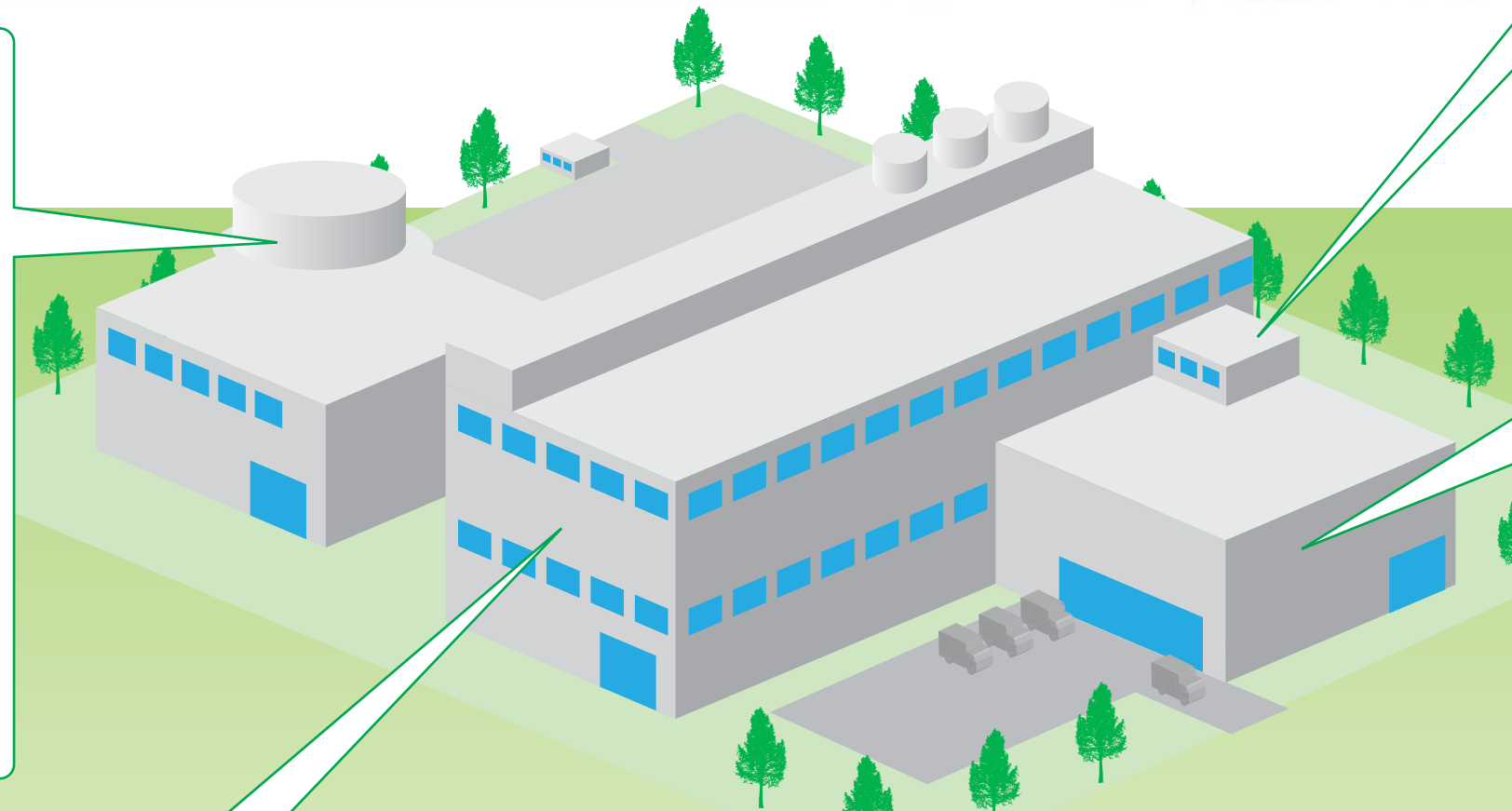
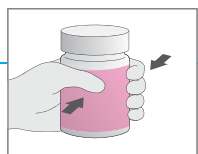
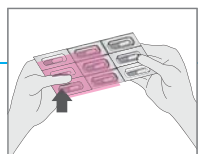
Finger pressure Medicines

Finger pressure measurement when opening the blister pack (PTP)

#### Pressure measurement for chemical bottles

Contact pressure Medicines

Measurement for bottle gripping pressure

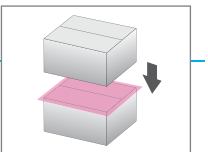


## Logistics

### Drop test/resistance test for transportation of piled packages

Pressure distribution Foods Drinks

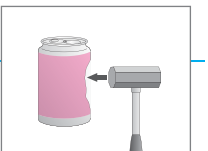
Pressure distribution check for the cardboard box with another one piled on top



### Strength evaluation of PET bottles and cans

Contact pressure Impact pressure Foods Drinks

Durability evaluation for PET bottles and cans during transportation

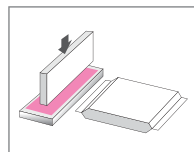


## Production

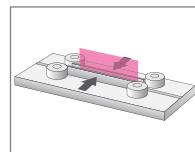
### Form fill seal packages

#### (1) Sealing methods

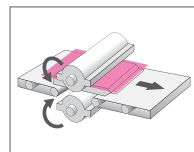
##### (a) End sealing



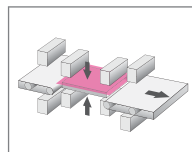
##### (b) Center sealing



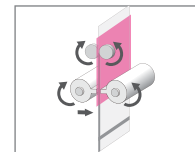
##### (c) Rotary end sealing



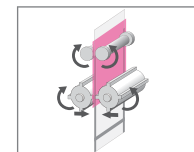
##### (d) Box motion end sealing



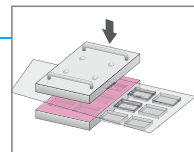
##### (e) Three-side sealing



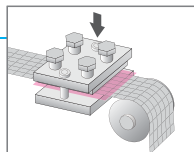
##### (f) Four-side sealing



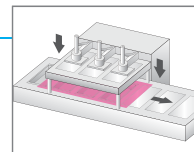
#### (2) Thermoforming pack



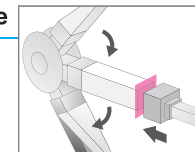
#### (3) Blister pack (PTP)



#### (4) Cup tray package



#### (5) Filling machine



### Heat sealing of individual packages

Sealing pressure check for the heat sealing film

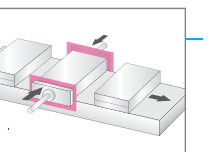
Sealing pressure Medicines Foods Drinks

### Carton package

#### Carton formers / closers

Contact condition Foods

Pressure measurement for a box while being packed with the product

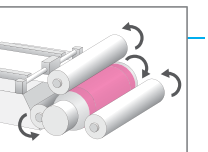


### Other processes

#### Label impression device

Balance Medicines Drinks

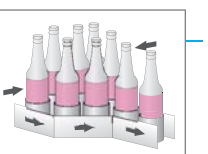
Balance check for the label impression device



#### Conveyor

Contact pressure Drinks

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



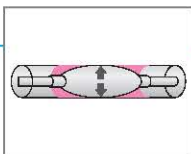


# R&D of medical equipment

## Catheters for treatment

### Contact pressure

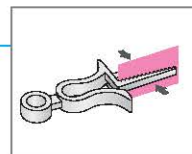
Contact pressure measurement between the blood vessel and inflated catheter balloon, to check their contact condition



## 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**

Scanner

PC  
(Analysis  
software)

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

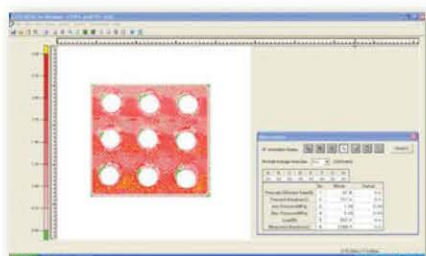
**Various pressure analyses can be conducted.**

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.



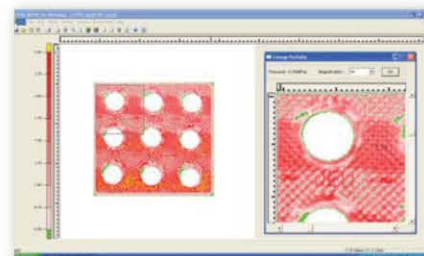
## Functions

### Overall Measurement



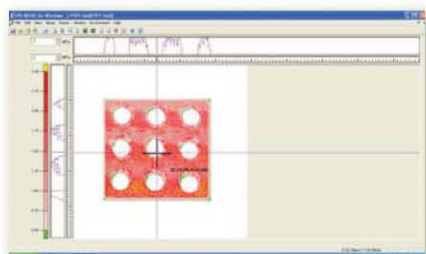
Various data such as average pressure and maximum pressure are displayed.

### Partial Enlargement



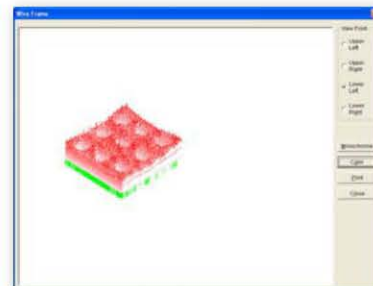
The specified field is enlarged. (4x, 8x, 16x) Pin point pressure values can be displayed on the image.

### 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.