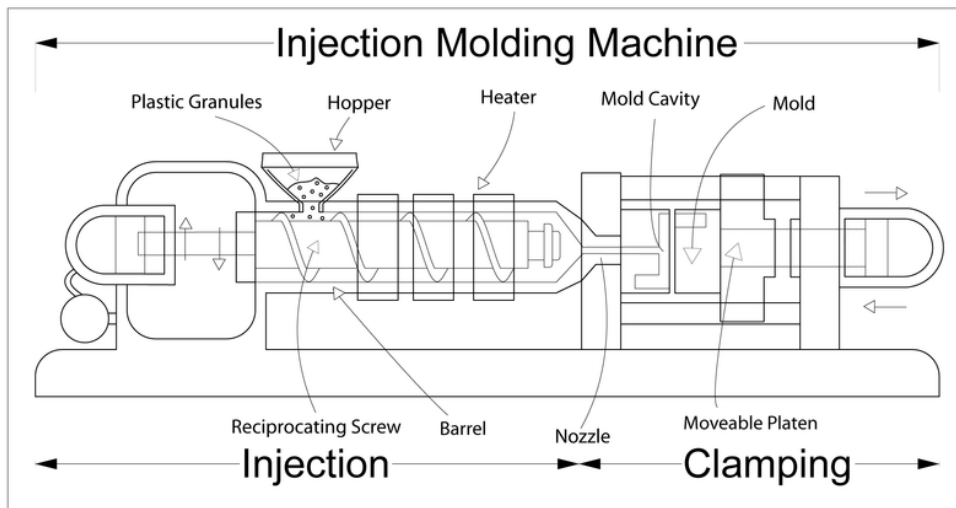




Pressure Metrics LLC.

Injection molding is a manufacturing process for producing parts from both thermoplastic and thermosetting plastic materials. Material is fed into a heated barrel, mixed, and forced into a mold cavity where it cools and hardens to the configuration of the mold cavity. After a product is designed, usually by an industrial designer or an engineer, molds are made from metal, usually either steel or aluminum, and precision-machined to form the features of the desired part. Injection molding is widely used for manufacturing a variety of parts, from the smallest component to entire body panels of cars. Fujifilm Prescale can be used to measure the integrity of molds to ensure an even mating of all surfaces.



The Fuji Prescale Film Products

Simply place Fujifilm Prescale between any two surfaces which come into contact. Varying colors of red patches will instantly appear on the Prescale film, revealing the pressure distribution between the surfaces. Furthermore, the intensity of the red colors of the Prescale film is related to the amount of pressure applied to it.

Two-sheet Prescale Film: Fujifilm Prescale is composed of an A-Film, which is coated with a micro-encapsulated color-forming material, and a C-Film, which is coated with a color-developing material. The A-Film and C-Film must be positioned with the coated sides facing each other.

Mono-sheet Prescale Film: The color-developing material is coated on a polyester base, with the micro-encapsulated color-forming material layered on top.

Ranges:

EXTREME LOW (4LW) **7.2 ~ 28 PSI (0.5 ~ 2 kg/cm²)** 10' x 10.6" (3m x 270mm)

ULTRA SUPER LOW (LLLW) **28 ~ 85 PSI (2 ~ 6 kg/cm²)** 16' x 10.6" (5m x 270mm)

SUPER LOW (LLW) **71 ~ 355 PSI (5~25 kg/cm²)** 19' x 10.6" (6m x 270mm)

LOW (LW) **355 ~ 1,420 PSI (25~100 kg/cm²)** 39' x 10.6" (12m x 270mm)

MEDIUM (MS) **1,420 ~ 7,110 PSI (100~500 kg/cm²)** 39' x 10.6" (12m x 270mm)

HIGH (HS) **7,110 ~ 18,500 PSI (500~1,300 kg/cm²)** 39' x 10.6" (12m x 270mm)

SUPER HIGH (HHS) **18,500 ~ 43,200 PSI (1,300~3,000 kg/cm²)** 39' x 10.6" (12m x 270mm)



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