

Falling Dart Impact Testing machine

FIT1130 Falling dart impact testing machine applies to impact test for all kinds of plastic film and sheet. It conforms to ASTM 1709-04, ISO7765.1-1988 «Plastic film and sheet- Determination of impact resistance by the free-falling dart method» standard. It has mathematical statistics, automatically calculate result and prevent the second time impact function.

Specification

Dart head weight: Method A: 50g ~ 660g; 660g ~ 2000g;
 Method B: 300g ~ 1400g; 1400g ~ 2000g
 Incremental weights: Method A: min 5g; method B: Min 15g
 Radius of dart head: Method A: $R19 \pm 0.5\text{mm}$; Method B: $R25 \pm 0.5\text{mm}$
 Impacting height: Method A: $660 \pm 10\text{mm}$; Method B: $1500 \pm 10\text{mm}$
 Specimen clamp: Inside diameter $\varnothing 125 \pm 2\text{ mm}$,
 Outside diameter: $\varnothing 150 \pm 3\text{ mm}$
 The thickness of specimen: Less than 1.0mm
 Max impact energy: 30J ;
 Max impact height: 1500mm
 The type of prevent second impact: pneumatic power
 Controller: PLC
 Indicator: LCD Text
 Pneumatic power not less than 0.6 Mpa;
 Power: AC220V, 50Hz;
 Working environment: 10 ~ 35 C
 Dimension(L×W×H): 500mm×470mm×2230mm

