

HST-BPT-60 Cupping testing Machine (Erichsen Tester)



Application:

The Cupping testing Machine (Erichsen Tester) is precise technology testing machine which is used for sheet metal & strip steel rolled stock etc. It can complete test of plastic deformation for sheet metal & strip steel rolled stock .

Standard:

It conforms to ASTM E 643-78 & GB4156-84 named Testing Machine for Metal Cupping test

Feature:

- 1, Computer control operation, according to the preset program and data, automatic clamping, stamping, measurement, calculation, parking
- 2, Auto stop when crack appears, convenient to observe the crack;
- 3, With computer controlled the test, user can easy get test report, and save, recall, print test result; 4, Turnover grips, punch and sample is easy to change;
- 5, With peak value memory function, like max. punch load, max. deformation deep etc;, Adopting a composite oil cylinder can meet hydraulic clamp and press piston and cylinder

Technology parameter:

Model	HST-BPT-60
Specimen thickness	Standard 0.1-2mm,(Non-Standard 0.1-3mm)
Max. Specimen Width	100mm
Max. Punch stroke	60mm
Clamping piston stroke	19-21mm
Max. Cupping Force	60kN
Max. Clamping Force	25kN
Test mold specifications (Standard)	Punch diameter: $\Phi 20 \pm 0.05\text{mm}$, cushion mold hole diameter : $\Phi 33 \pm 0.1\text{mm}$ Fixed mold hole diameter: $\Phi 27 \pm 0.05\text{mm}$ Standard press mold hole diameter : $\Phi 27 \pm 0.05\text{mm}$; (Non-Standard)
Test mold specifications (Non-Standard)	Punch diameter : $\Phi 15 \pm 0.05\text{mm}$, $\Phi 8 \pm 0.02\text{mm}$, $\Phi 3 \pm 0.02\text{mm}$ Press mold hole diameter : $\Phi 18 \pm 0.1\text{mm}$, $\Phi 10 \pm 0.1\text{mm}$, $\Phi 3.5 \pm 0.1\text{mm}$ Fixed mold hole diameter : $\Phi 21 \pm 0.02\text{mm}$, $\Phi 11 \pm 0.02\text{mm}$, $\Phi 5 \pm 0.02\text{mm}$
Display resolution	0.01mm
Display value	Clamping force, stamping force, displacement and cup drawing value, speed rate, drawing force - displacement curve
Control method	Computer automatic test process
Structure features	Composite cylinder, double oil pump supply oil, grating measurement