



GBW - 60B

CUPPING TESTING MACHINE

Usage and Characteristics

The cupping testing machine is specially used to test extensibility of metal thin sheet and bended material and is also only instrument to test the metal's plastic deformation.

The machine fully accords with criterions GB4156-84<metals<cupping testing method>. If add drawing mould, it also accords with international GB5125-85<method for deep drawing cups testing of non-ferrous metal> for testing the characteristics of non-ferrous metal sheets.

MAIN Technical Parameter

Maximum Test Force	60 Kn
Range of Test Force	0.2 Kn ~ 60 Kn
Precision of Test Force Measurement	± 1 % of indicating value
Test Accuracy	Precision of Capping value ± 0.01 mm
Speed of Test	2 ~ 100 mm/min (under control of arbitrary rate and constant speed)
Cupping Mould	Φ 20 ± 0.05
Thickness of Gripping Specimen	0.05 ~ 2 mm (high - precision sensor can realize ultra-thin sheet metal test)
Special Order	1. Non-standard cupping : 0.05 ~ 3 mm 2. Testing non-ferrous metal sheets : 0.1 ~ 2 mm
Journey of Punch	40 mm
Journey of Cramping Piston	40 mm
Max. Gripping Load	10 Kn
Resolution of Cupping Value	0.01 mm
Hydraulic Oil	N46
Dimensions	700 x 360 x 1320 mm
Power	~ 380 V 50 Hz 3 Kw



Advantage:

1. The machine is a new generation of products which is developed with our company years of experience is manufacture based on original type (GBS - 60A). Its main characteristics is that the prcision of cupping value can be up to 0.01mm and load speed of main test force is controlled through constant rate.
2. In term of operation GBW - 60B type achieve historic breakthrough. on the basis of original oil cylinder and manual supply of valve to add force, we adopt imported servo motor as power to make the whole testing process came to close loop control add constant rate loading to improve the control accuracy of the machine greatly.
3. Changing manual hydraulic loading to electronic control mechanical loading and hydraulic sensor to wheel - spoke sensor to improve the testing precision of main test force and control the fracture accuracy of specimens.
4. We select high - Precision grating measuring instrument to measure cupping. value . in term of measuring precision, it can accurate to two decimal digits.
5. The outward appearance of machine has great transformation. Old and heavy appearance has turned in to powder coatings and is concise and elegant.

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!