



SHEET METAL CUPPING TESTING MACHINE - TT- CTM60

Computer-Controlled Sheet Metal Cupping Testing Machine - TT-CTM60 is a high-precision sheet metal cupping testing machine designed for cupping formability tests following the Erichsen test method. It evaluates the plastic deformation properties of metal sheets and strips, meeting ISO 20482 standards.

APPLICATIONS

TT-CTM60 is a high precision sheet metal cupping tester designed for performing cupping formability tests according to the Erichsen test method on sheet metal and strip metal. It evaluates the plastic deformation properties of metal sheets and strips during testing. The machine conforms to standard ISO 20482. Torontech also offers a more advanced model, the TT-CTDD60, which can perform deep drawing tests on sheet metals.

FEATURES

- The Computer-Controlled Sheet Metal Cupping Testing Machine features a new structural design that allows for constant speed control.
- This new Computer-Controlled Sheet Metal Cupping Testing Machine uses a permanent servo electric motor for speed loading. Additionally, the hydraulic sensor has been replaced by a dyadic sensor, greatly enhancing the precision and accuracy of the penetration value.
- The cupping value measuring meter is a high-precision grating displacement sensor with a value error accuracy of $\leq \pm 0.02\text{mm}$, improving the machine's controllability and accuracy.
- Both the hardware configuration and power transmission principle have been significantly improved. The computer control configuration perfects the machine by providing results display, storage, batch processing, and curve drawing capabilities.

TECHNICAL SPECIFICATIONS

Maximum punch load
Testing force range
Testing accuracy
Cupping value accuracy
Testing speed
Punching cup penetration mold
Maximum sheet width
Clamping sample thickness
Punch stroke
Clamping stroke
Maximum punch load
Maximum clamping load
Resolution of cupping value
Dimensions
Power supply



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