

MCS

ERICHSEN TESTING MACHINE

FEATURES:

- ▶ The big handle and the intermediate gearing provided make easy pressing and swelling out of the charged sheet metal by the punch.
- ▶ It is easy to get the pointer to zero as the top of punch and furrow holding plane are always kept to coincide by measurement correction panel.
- ▶ A necessary tolerance, 0.05 mm is obtained by the rear back screw, easily and precisely.
- ▶ By utilizing the attached test piece holders, suitable tests for nos. 1, 2 and 3 test pieces, can be easily performed at the most normal location.

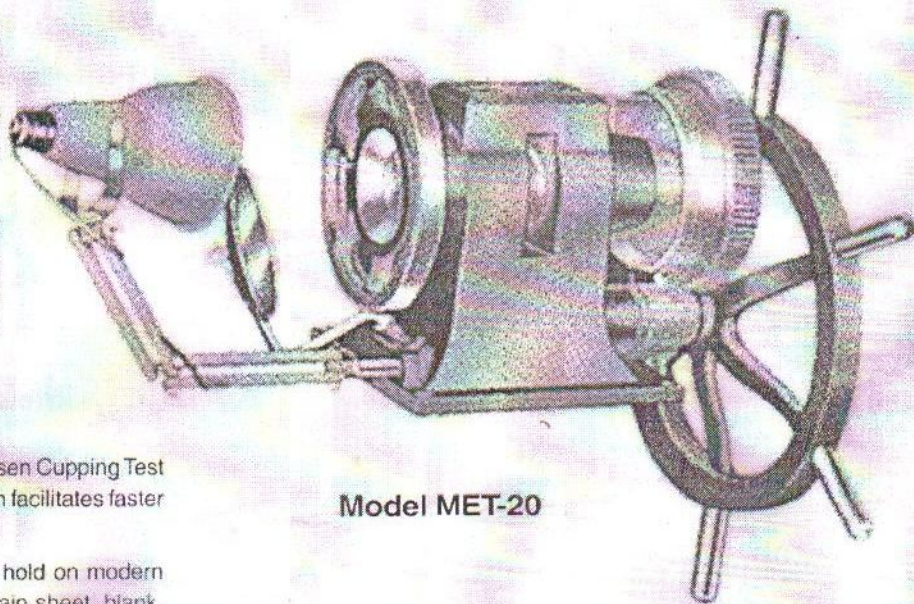
Introduction

Erichsen Tester is designed to carry out Erichsen Cupping Test on Metals. Quick Clamping and Manual Operation facilitates faster and trouble free working of Machine.

Erichsen deep drawing test has a deep rooted hold on modern industry. Deep drawing is the conversion of a plain sheet, blank, into a hollow body by drawing the material into the female die with a punch. A pressure plate is employed to prevent the formation of wrinkles in the blank, this holds the blank against the female die which, in some cases is called the furrow holder. This test is used for assessing the cupping qualities of metal sheet and strip within the limits imposed by the test conditions. This can also be used for testing the adhesion, elasticity and porosity of coats of paint or varnish and for galvanised castings, by way of comparison. The surface appearance occurring in the surface of the specimen after fracture gives a guide to the grain constitution of the material. The configuration of the fracture provides an indication of the structure of the material. The main dimensions and the method of inspection of MCS ERICHSEN TESTER are so selected to make the machine quite reliable in its mechanism as well as in its function.

Installation

It is recommended that the machine is mounted on a table. MICRO CONTROL SYSTEMS reserves rights of change in the above specification due to constant improvement in design. The dimensions given above are all approximate.



Model MET-20

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Technical Data

Width of sample mm	70-90
Thickness of sample mm	0.1 - 2
Least count mm	0.01
Overall dimension (approx) mm	450x500x500
Net Weight (approx) Kg	20

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MICRO CONTROL SYSTEMS

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