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MODEL HD-4530

ERICHSEN TESTER

Outline

It is a testing machine that measures Erichsen value of metal thin plate (0.1 ~ 2 mm).

In the test method, the spherical punch is gradually pushed into the test piece fixed between the blank holder and the die until the through crack occurs, and the indentation depth (Erichsen value) is measured and compared at the time of the through crack occurred.

In addition, the same test method can be used for the cupping resistance which is the evaluation of the adhesion of the coating to the metal plate.



MODEL HD-4530



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UESHIMA SEISAKUSHO CO., LTD

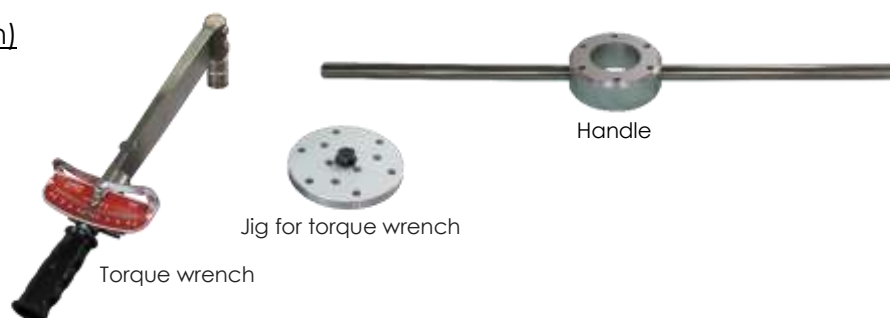
Feature

- It is a testing machine that pushes a spherical punch until a through crack occurs in a test piece fixed between the blank holder and the die, and obtains the punch movement amount as Erichsen value.
- The structure of the die is a mechanism that can keep the parallelism automatically to the fixed blank holder.
- Also used as a cupping tester (JIS K 5600-5-2) to measure the amount of movement of the punch when cracking and/or detachment occurred on the coating film on the surface by pressing a metal piece coated with paint etc. from the back side.

Specification

MODEL	HD-4530
Applicable Standards	JIS B 7729 (Method of Erichsen cupping test) JIS K 5600-5-2 (Testing methods for paints-Part 5 : Mechanical properties of film-Section 2 : Cupping test) ISO240482
Measurement range	0 to 16 mm
Micrometer resolution	0.01 mm/scale
Pitch of lead screw	5 mm
Punch	Diameter : 20 ± 0.05 mm Spherical
Die	Inside diameter : 27 ± 0.05 mm Outside diameter : 55 ± 0.1 mm Roundness of internal angle: 0.75 ± 0.05 mm Outer angle roundness : 0.75 ± 0.1 mm
Blank holder	Inside diameter : 33 ± 0.1 mm Outside diameter : 55 ± 0.1 mm Outer angle roundness : 0.75 ± 0.1 mm
Shape and size of specimen	Width or diameter : 90+5/-0 mm
Thickness of specimen	Approximately 0.1 mm to 2.0 mm
Accessories	1 scale correction plate
Option	Handle set (1 torque wrench, 1 jig for torque wrench, 1 handle) * When using it as Erichsen testing machine, be sure to purchase this option.
External dimensions	460 (W) x 325 (D) x 350 (H) mm
Weight	Approximately 55 kg

Handle set(option)



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<Manufacturer>

Ueshima

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