

Cupping Tester

The BYK-Gardner cupping tester has been designed for determining the elongation and deformability of single- and multiple-layer systems on metal substrates.

- Electrohydraulic drive for highly reproducible results
- Easy to use eccentric clamping ring
- C-opening accepts large and small test panels
- For test panels with a thickness of up to 1.5 mm (0.06 in)
- Uniform cupping speed of 0.2 mm/s (0.008 in/s)
- 3 keys to control all functions
- Digital display, resolution 0.1 mm

Stereo Microscope for cupping tester

This stereo microscope with illumination and brightness control is designed to observe the paint surface during the test.

- 2x and 4x magnification
- 3D-image with shadowless illumination
- Ergonomic working position

Procedure

- Insert the test panel into the C-opening of the instrument
- Clamp in the sample firmly
- Start cupping and simultaneously observe the process through the stereo-microscope
- Apparatus presses the cap of the spherical punch into the test panel at a uniform speed (0.2 mm/s)
- As soon as the first cracking is visible, stop the movement of the punch
- Read the cupping depth on the digital display and reset the punch
- Always carry out 3 tests for each sample

Ordering Information

Cat. No.	Description
5400	Automatic Cupping Tester
5411	Stereo Microscope, 5400

Comes complete with:

Cupping tester
Connection cable and plug
Operating instructions

Stereo Microscope for cupping tester:

Stereo microscope
Microscope rest and illumination
Operating instructions

Note: Stereo microscope must be ordered separately



cupping tester with stereo microscope

Standards

ISO	1520
Erichsen Cupping	EC

Technical Specifications

Spherical Punch	ø 20 mm (ø 0.8 in)
Sheet Holder	ø 33 mm (ø 1.3 in)
Die	ø 27 mm (ø 1.06 in)
Voltage	230 V / 50 Hz or 115 V / 60 Hz; built-in switch
Current Indicator	max. 4 A (230 Volts)
Dimensions	650 x 280 x 600 mm (26 x 11 x 24 in)
Weight	65 kg (143 lbs) (incl. microscope and packing)