



**YASUDA**  
— TESTING THE LIMITS —

# **No.516 Erichsen Cupping Tester【YASUDA SEIKI】For the tester to evaluate the Cupping Endurance of the coated film**

## **Contents**

No.516 ERICHSEN CUPPING TESTER (MANUAL)

No.516-M ERICHSEN CUPPING TESTER (ELECTRIC SYSTEM)

**No.516 ERICHSEN CUPPING TESTER (MANUAL)**



JIS-B7729, (K5400), K5600-5-2, Z2247, ISO-1520, 20482

- This tester is used to evaluate the cupping endurance of the coated film.
- Fixing the test specimen between the holder ring and the dice, the operator is to give the test specimen a pushing load to evaluate the endurance against cracks and peels of the metallic substrate when the test specimen receives a partial transformation.

## Specification

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Specifications are subject to change without notice.	
Model	No.516 ERICHSEN CUPPING TESTER(MANUAL)
Test Plate	Steel Plate, T0.3 to 1.25 mm
	W&L Min. 70 mm to Max. 90 mm

<b>Dice</b>	<p>Outer Diameter <math>\phi 55 \pm 0.1</math> mm</p> <p>Inner Diameter <math>\phi 27 \pm 0.05</math> mm</p> <p>Edge R0.75 <math>\pm 0.05</math> mm</p>
<b>Holder Ring</b>	<p>Outer Diameter <math>\phi 55 \pm 0.1</math> mm</p> <p>Inner Diameter <math>\phi 33 \pm 0.1</math> mm</p> <p>0.05 mm Scale Attached</p>
<b>Punch</b>	Hemispherical shape, $\phi 20 \pm 0.05$ mm
<b>Push Measuring</b>	<p>Digital Dial Guage: Scale 0.01 mm,</p> <p>Stroke Max. 20 mm, Digital Display</p>
<b>Push Speed</b>	Manual, 0.2 mm/ 1 turn
<b>Option</b>	Mirror, Magnifier, Lighting Device
<b>Power Source</b>	—
<b>Dimensions/ Weight (Approx.)</b>	W340 × D200 × H400 mm, 35 kg

## No.516-M ERICHSEN CUPPING TESTER (ELECTRIC SYSTEM)



JIS-B7729、(K5400)、K5600-5-2、Z2247、ISO-1520、20482

- This automated version is equipped with a motorised punch which can be controlled via touch panel.

### Specification

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Specifications are subject to change without notice.

**Model**

**No.516-M ERICHSEN CUPPING TESTER (ELECTRIC SYSTEM)**

<b>Test Plate</b>	<p>Steel Plate, T0.3 to 1.25 mm</p> <p>W&amp;L Min. 70 mm to Max. 90 mm</p>
<b>Dice</b>	<p>Outer Diameter <math>\phi 55 \pm 0.1</math> mm</p> <p>Inner Diameter <math>\phi 27 \pm 0.05</math> mm</p> <p>Edge R0.75 <math>\pm 0.05</math> mm</p>
<b>Holder Ring</b>	<p>Outer Diameter <math>\phi 55 \pm 0.1</math> mm</p> <p>Inner Diameter <math>\phi 33 \pm 0.1</math> mm</p> <p>0.05 mm Scale Attached</p>
<b>Punch</b>	<p>Hemispherical shape, <math>\phi 20 \pm 0.05</math> mm</p>
<b>Push Measuring</b>	<p>Rotary Encoder: Scale 0.01 mm,</p> <p>Stroke Max. 20 mm, Touch Panel Display</p>
<b>Push Speed</b>	<p>Motorized 0.2 <math>\pm 0.1</math> mm/s</p>
<b>Option</b>	<p>Mirror, Magnifier, Lighting Device</p>

<b>Power Source</b>	AC 100 V, 1-Phase, 5 A, 50/60 Hz
<b>Dimensions/ Weight (Approx.)</b>	W450 × D200 × H430 mm, 53 kg