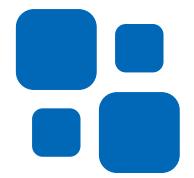
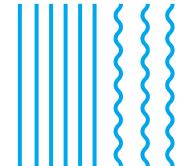


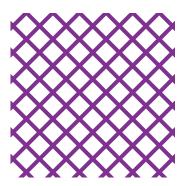
Materials Testing Machine



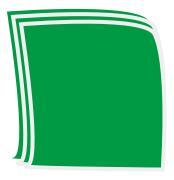
PLASTIC-RUBBER TESTING MACHINE



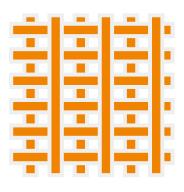
WIRE-CORD TESTING MACHINE



LEATHER-VINYL LEATHER CLOTH TESTING MACHINE



PAPER-PULP TESTING MACHINE



TEXTILE-DYEING TESTING MACHINE



PAINT-PIGMENT-INK TESTING MACHINE



PT. Mora Anugerah Berkat (M.A.B)

JL.Asri Blok M No.36 Kel.Cipadu Kec. Larangan Kota Tangerang , Provinsi Banten 15155 Phone : (021) 73457064 / 73660160 Fax : (021) 73660160 0812 8770 5470 | 0812 8140 0749 WhatApps,Line,WeChat,Telegram info@moraanugerah.id | info@moraanugerah.com mora.anugerahberkat@gmail.com

No. 120-SAS-2000 AUTOMATIC MELT FLOW INDEX TESTER

No. 120-LABOT-MI FULLY AUTOMATIC MELT FLOW INDEX TESTER





JIS-K6719-1/2, K6921-2, K6922-2, K6923-1, K6924-1, K6926-2, K7210, ASTM-D1238, ISO-1133

> FEATURE

■No.120-SAS-2000

This tester is used to measure the melt flow index of thermo-plastic. The melt flow index is acquired from the weight or the volume of the extruded specimen at a specified cylinder temperature and with a specified load of piston through the die. The tester is assorted with an automatic cleaning system which enables to perform 1 test cycle without discontinuation (option of 3 test cycles).

■No.120-LABOT-MI

This tester is equipped with robotic mechanism which enables fully automatic melt flow index tests up to a maximum of 50 samples (standard of 12 samples). The test conditions and the outputs can be set and observed through the computer software.

>SPECIFICATION

| Model | No.120-SAS-2000 | No.120-LABOT-MI |
|---------------------------------|--|--|
| Hangings | 1 or 3 Hangings (2 kinds) | 12, 24 or 50 Hangings (3 kinds) |
| Die | | , L8.000±0.025mm |
| Piston | • | n, L6.35±0.10mm |
| Cylinder | ' | · |
| | Inner φ9.550±0.025mm, L160mm | |
| Temperature Range | Max. 300°C (Option: Max. 400°C) | |
| Test Load | Choose the Largest Load from 0.325, 1.20, 2.16, 3.80, 5.00, 10.00kgf, and 21.60kgf | |
| Test Method | Method A: Manual (Option: Automatic) Method B: Automatic | |
| Specimen Feeding | Automatic | |
| Weight Loading | Automatic | |
| Weight Change | Manual (Option: Automatic) | |
| Cylinder Cleaning | Automatic (Solvent Cleaning can also be Automatic) | |
| Die Cleaning | Automatic | |
| Piston Cleaning | Manual (Option: Automatic) | Automatic |
| Die Cleaning Rod Cleaning | Manual (Option: Automatic) | Automatic |
| Cleaning Gauze Feeding | Manual | Automatic |
| Data Processing | Method A: Manual (Option: Automatic) Method B: Automatic | |
| Method B Measuring | Rotary Encoder | |
| Software | Suitable for Windows | |
| Accessories | Cleaning Rod (Die & Cylinder), Solvent Cleaning Device, Specimen Cup, Cup Holder, Infundibulum, Die Gauge, Spirit Level, Dust Box, Gauze, Air Gun | |
| Option | Hastelloy Spec, Specimen Purging Device, Specimen Drying Device, Air Compressor, Temperature Calibration Device, Exhaust Fan (Standard for No.120-LABOT), Smoke-Detection Sensor (Standard for No.120-LABOT) | |
| Power Source | 200V 1-Phase 8A 50/60Hz | |
| Air Source | 0.5MPa or More | |
| Dimensions/ Weight (Approx.) | [1 Hanging] W625xD600xH1,150mm/100kg [3 Hangings] W625xD680xH1,150mm/120kg | [12, 24 Hangings] W950xD700xH1,750mm/300kg [50 Hangings] W1,100xD700xH1,750mm/350kg |



HANDLE-O-METER

JIS-L1096, TAPPI-(T498), J.TAPPI-No.34

> FEATURE

This tester is used to evaluate the stiffness of paper, plastic film, and textile according to the Handle-O-Meter method. The operator is to place the test specimen on the specimen base which has a clearance.

> SPECIFICATION

Max. W235mm **Specimen**

Clearance 5mm, 6.35mm, 10mm, and 20mm

Pressing Board Curvature R1mm, L240mm, Material: Aluminium

Folding Stroke 12mm

Measuring Range Full Scale 245mN (25gf), 490mN (50gf), and 981mN (100gf)

Measuring Time 15sec

Accessories Inspection Weight Option Software, Chart Recorder **Power Source** AC100V 1-Phase 3A 50/60Hz Dimensions/Weight (Approx.) W550xD330xH300mm/30kg

No.

304-YPH

MULLEN HIGH-PRESSURE TYPE BURSTING STRENGTH TESTER

No.

305-YPL

MULLEN LOW-PRESSURE TYPE BURSTING STRENGTH TESTER





No.304, 305-YPO(Pneumatic Clamp Spec)

JIS-K6404-11, P8112, P8131, TAPPI-T403, T807, T810, ISO-2758, 2759

> FEATURE

This tester is used to evaluate the bursting strength of paper, paper board, liner film, cardboard, rubber, and plastic film. The operator is to tighten the test specimen to the tightening board and pressurize it with a rubber membrane mediator. The maximum pressure when the test specimen bursts will be the bursting strength of the test specimen. The user is to choose the high pressure type or the low pressure type according to the thickness and the bursting strength of the test specimen.

>SPECIFICATION

| Model | No.304-YPH(High Pressure Model) | No.305-YPL(Low Pressure Model) |
|-----------------------------|---|--|
| Specimen | 100x100mm or More | 60x60mm or More, T0.64mm or Less |
| Clamp | Upper φ31.50±0.1mm, Lower φ31.50±0.1mm, Upper and Lower both with 60°V Groove | Upper φ30.5±0.1mm, Lower φ33.1±0.1mm, Upper and Lower both with 60°V Groove |
| Pressing Speed | 170±15ml/min | 95±5ml/min |
| Pressure Gauge | Choose 2 kinds (2.0, 4.5, and 7.0MPa) | Choose 2 kinds (0.3, 0.6, and 1.4MPa) |
| Accessories | Rubber Membrane10pcs, Membrane Gauge, Fixing Tool | |
| Option | Digital Pressure Gauge, Pneumatic Clamp Spec (YPO) | |
| Power Source | 100V 1-Phase 10A 50/60Hz | |
| Dimensions/Weight (Approx.) | W400xD400xH850mm/80kg, W400xD500xH560mm/85kg (YPO) | |

FPC FLEXING TESTER

No.

306-L

FPC FLEXING TESTER WITH LOW TEMP. OVEN



JIS-C5016

> FEATURE

This test is used to evaluate the folding endurance of plastic film and flexible print circuit board. The operator is to attach the test specimen to a fixed board and a movable board so that the test specimen is attached at a prescribed radius. The movable board will bend left and right to flex the test specimen.

>SPECIFICATION

| Model | No.306 | No.306-L |
|----------------------------|---|---|
| Hangings | 1 Hangings | 4 Hangings(2 Hangings Simultaneous Drive×2) |
| Flexing Radius | Max.10mm | |
| Flexing Speed | Max.60cpm | |
| Flexing Length | Reciprocate 20(±10)mm, 40(±20)mm, 60(±30)mm | |
| Counter | 6 Digits Preset Counter | |
| Temperature Range | ı | -35-60°C(Refrigerator) |
| Option | Conduction Device(for FPC) | |
| Power Source | 100V 1-Phase 5A 50/60Hz | AC200V 3-Phase 30A 50/60Hz |
| Dimensions/Weight(Approx.) | W360×D500×H620mm/35kg | W1,160×D730×H1,200mm/250kg |



JL.Asri Blok M No.36 Kel.Cipadu Kec. Larangan Kota Tangerang, Provinsi Banten 15155 Phone: (021) 73457064 / 73660160

Fax: (021) 73660160

0812 8770 5470 | 0812 8140 0749

WhatApps,Line,WeChat,Telegram info@moraanugerah.id | info@moraanugerah.com mora.anugerahberkat@gmail.com



MIT TYPE FOLDING ENDURANCE TESTER

No.

307-L MIT TYPE FOLDING ENDURANCE TESTER WITH LOW TEMP. OVEN



No.307-L

JIS-C5016, P8115, R3420, ASTM-D2176, TAPPI-T511, ISO-5626

> FEATURE

This tester is used to evaluate the folding endurance of paper, paper board, plastic film, and flexible print circuit boards. Applying prescript load when folding the test specimen left and right at an angle of 135° with a prescript speed, the operator is to count the number of times the test specimen was folded until it fractures. The user can choose the spring method or the deadweight method type of loading according to the extension of the test specimen. This tester is also used the folding indurance of metallic foil such as aluminum foil used in condensers.

>SPECIFICATION

| Model | No.307 | No.307-L |
|----------------------------|---|------------------------|
| Hangings | 1, 3or 5 Hangings (3kinds) | |
| Specimen | W15.0±0.1mm, L110±5mm | |
| Test Load | 4.9-14.7N (0.5-1.5kgf) (Spring Loaded or Dead Weight) (Standard:9.8N) | |
| | 135°±2° (Option: 45°,90°,3 Stage Change-Over) | |
| Folding Angle | 175±10times/min (Option: 45times/min, 90times/min, 3 Stage Change-Over) | |
| Folding Speed | Curvature R0.38±0.02mm,L19.0±0.5mm, Spacing 0.25mm | |
| Folding Top | 6 Digits Preset Counter | |
| Counter | _ | -35-60°C(Refrigerator) |
| Option | Conduction Device(for FPC) | |
| Power Source | Depends on Specifications | |
| Dimensions/Weight(Approx.) | Depends on Specifications | |

308 No.

SCHOPPER TYPE FOLDING ENDURANCE TESTER



JIS-P8114, TAPPI-T423, ISO-5626

> FEATURE

This tester is used to evaluate the folding endurance of paper, paper board, and plastic film according to the Schopper type testing method. Folding the test specimen that is applied with tensile force to the long side direction vertically with the folding blade, the operator is to calculate the folding endurance from the number of times the test specimen required to fracture.

>SPECIFICATION

Specimen W15.0±0.1mm, L100mm, T0.25mm or Less **Folding Blade** T0.5±0.0125mm, Slit Spacing 0.5mm Folding Roller φ6mm, L18mm **Test Load** Initial 7.6±0.1N, Max. 9.8±0.2N

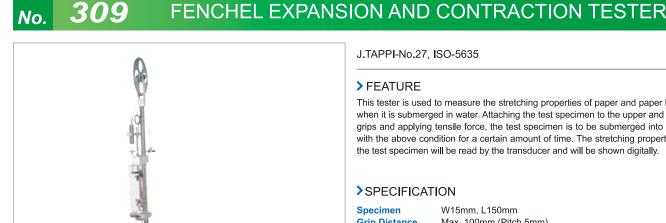
Folding Distance 20mm (Front-Back 10mm) **Folding Speed** 115±10rpm

Counter 6 Digits Preset Counter Option Safety Cover

100V 1-Phase 10A 50/60Hz **Power Source** Dimensions/Weight (Approx.) W450xD480xH430mm/60kg

41

LEATHER - VINYL LEATHER CLOTH



J.TAPPI-No.27, ISO-5635

> FEATURE

This tester is used to measure the stretching properties of paper and paper board when it is submerged in water. Attaching the test specimen to the upper and lower grips and applying tensile force, the test specimen is to be submerged into water with the above condition for a certain amount of time. The stretching properties of the test specimen will be read by the transducer and will be shown digitally.

>SPECIFICATION

Specimen **Grip Distance** Weight

W15mm, L150mm Max. 100mm (Pitch 5mm) 5g, 10g, 20g, 50g—1pc each.

Displacement Measuring

Differential Transducer: Scale 0.01mm, Stroke 0 - ±10mm, 4 Digits Digital Display

Glass Beaker

Accessory Option **Power Source**

Chart Recorder 100V 1-Phase 3A 50/60Hz

Dimensions/Weight (Approx.)

[Main Body] W250xD300xH1,050mm/30kg [Control Box] W400xD300xH150mm/6kg

310 No. KLEMM CAPILLARY RISE TESTER



JIS-L1907, P8141

> FEATURE

This tester is used to evaluate the water absorbing capacity of paper and paper board with large water absorbability according to the Klemm method. Immersing the lower end of the test specimen vertically into water, the operator is to keep the test specimen in the water for 10 minutes and read the height that the water elevated due to capillary effect.

>SPECIFICATION

Hangings 8 Hangings

W15mm, L200mm or More Specimen Scale 0 - 200mm (Scale 1mm) Dimensions/Weight (Approx.) W450xD150xH410mm/6kg

GURLEY TYPE STIFFNESS TESTER No.



JIS-(L1018), L1085, L1096, TAPPI-T543

> FEATURE

This tester is used to evaluate the stiffness of firm paper, plastic film, and textile according to the Gurley method. Attaching the test specimen to the movable arm and rotating it left and right at a prescript speed, the operator is to read the scale when the lower end of the test specimen separates from the pendulum to calculate the stiffness of the test specimen.

>SPECIFICATION

Specimen **Grip Position Arm Rotation Speed** Weight

W1/2", 1", 2", L1", 1-1/2", 2-1/2", 3-1/2", and 4-1/2" 1/2", 1", 1-1/2", 2", 2-1/2", 3", 3-1/2" or 4" from Pendulum Top

2rpm

5g, 25g, 50g, and 200g Load Position 1", 2" or 4" from Pivot

Scale RG **Power Source**

Left-Right 0 - 8 (Scale 0.2) 100V 1-Phase 1A 50/60Hz Dimensions/Weight (Approx.) W350xD200xH500mm/13kg



TABER TYPE STIFFNESS TESTER

No.

312-D

DIGITAL TABER TYPE STIFFNESS TESTER



JIS-P8125, TAPPI-T489, ISO-2493

> FEATURE

■No.312

This tester is used to evaluate the stiffness of paper board according to the load bending method. Fixing one end of the test specimen and bending it 7.5° or 15° at a constant speed. The operator is to acquire the bending moment when the loading length reaches 50mm.

■No.312-D

This is the digital model of the TABER STIFFNESS TESTER where the stiffness of paper board can be directly read. The stiffness level will be indicated in mN-m terms. The tester can also calculate the resistance to bending (mN).

>SPECIFICATION

Max. 490mN-m (5,000gf-cm) Moment Load Scale Left-Right 0 - 100 Test Load 100gf, 200gf, and 500gf **Load Position** 100mm from the Pivot **Bending Angle** Left-Right 15° or 7.5° **Bending Speed** 180±40°/min

Specimen Roller Power Source

W30 - 40mm (Standard: 38.0±0.2mm), L70mm, T3.2mm or Less φ8.60±0.05mm for Test, φ8.93±0.05mm for Positioning 100V 1-Phase 3A 50/60Hz / 100V 1-Phase 3A 50/60Hz (Digital Type)

Dimensions/Weight (Approx.) W300xD350xH500mm/25kg

No.

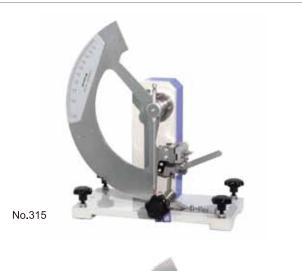
315

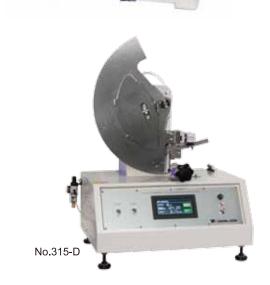
ELMENDORF TYPE TEARING RESISTANCE TESTER

No.

315-D

DIGITAL ELMENDORF TYPE TEARING RESISTANCE TESTER





JIS-K7128-2, P8116, TAPPI-T414, ISO-1974, 6383-2

> FEATURE

■No 315

This tester is used to evaluate tearing resistance of paper, paper board and plastic film according to the Elmendorf type tearing method. Swinging the fan shaped pendulum from a prescript height to tear the test specimen that has been cut beforehand. The operator is to read the workload to calculate the tearing resistance.

■No.315-D

The digital type helps the operator to read the tearing resistance directly without having to calculate. Insert the number of the amount of test specimen to the touch panel and the device will automatically calculate the average tearing resistance from that amount. Also, the digital panel is equipped with loss energy calibration function so that pure tearing resistance of the test sample can be measured.

>SPECIFICATION

Specimen Sheet Capacity Specimen Slit Length Grip

Standard 16 sheets (Scale 20 - 80% sheets) 0 - 1,000mN (Scale 1sheet/16sheets) W63±0.2mm, L76mm 20mm (Rest L43.0±0.5mm)

W36mm, D15.0±0.1mm, Spacing 2.8±0.3mm Digital Display Spec, Air Grip Option **Power Source** 100V 1-Phase 3A 50/60Hz Dimensions/Weight (Approx.) W400xD260xH500mm/20kg

W580xD380xH600mm/40kg (Digital Type)



RING CRUSH TESTER



JIS-P8126, ISO-12192 (Option: Z0402, Z0403-1, Z0403-2)

> FEATURE

This tester is used to evaluate the compressive strength of ring shaped paper board according to the ring crush method. By changing the jig (option), the tester enables to conduct adhesive power test of cardboard, flat surface compression test, and vertical compression test.

>SPECIFICATION

Specimen Holder

W12.7±0.1mm, L152.4-2.5mm, T580µm or Less Outer Frame: Inner φ49.30±0.05mm, D6.35±0.25mm, Inner Frame: Guide -- 9 kinds (To be Specified)

Laod Measuring Load Cell: Max. 1,999N **Compression Plate** 100x100mm Compression Speed

12.5±2.5mm/min Pin Attachment, Vertical Compression Jig

Option **Power Source** Dimensions/Weight (Approx.)

100V 1-Phase 10A 50/60Hz

[Main Body] W350xD400xH540mm/60kg

[Control Box] W135xD350xH250mm/10kg

No.

No.

318

WATER VAPOUR PERMEABILITY CUP



JIS-(K5400), K6549, Z0208, TAPPI-T448, T464, ISO-2528

> FEATURE

This tester is used to evaluate the permeability of plastic film and moisture-proof packaging material for processed paper and coating according to the cup method. The permeability obtained by this method will be the mass of vapour that went through the unit area of membranal material during a specific amount of time and prescript temperature and humidity conditions.

>SPECIFICATION

Specimen Vapour Transmission Area

Accessories

28cm² (Inner Diameter of Cup φ60mm) Cup, Ring, Glass dish-10pcs each Guide, Base, Weight, Cutter--1pc each

Test Methods

A Method: Temperature 25 \pm 0.5°C, Humidity 90 \pm 2%

B Method: Temperature 40±0.5°C, Humidity 90±2%,

Air Velocity 0.5 - 2.5m/s

W450xD250xH230mm/8kg (Including Case) Dimensions/Weight (Approx.)

No.

AUTOMATIC BEKK SMOOTHNESS TESTER



JIS-P8119, TAPPI-T479, ISO-5627

> FEATURE

This tester is used to evaluate the smoothness of paper and paper board according to the Bekk method. Pressure bonding the test specimen to the glass surface at a prescript pressure, the operator is to measure the time it required for a prescript amount of air under atmospheric pressure flowed through the contact surface.

>SPECIFICATION

Specimen 50mm Square or More, A4 size or Less

Less than T0.5mm

Glass Plate Ring shape, Outer 37.4±0.05mm, Inner 11.3±0.05mm

(Effective Area 10±0.05cm²)

Load Pressure 100kPa

Vacuum Range 50.7 - 48.0kPa, Digital Display 1ml and 10ml (2 Stage Charge-Over) Air Volume

Max. 999999 sec Timer

100V 1-Phase 3A 50/60Hz **Power Source** Dimensions/Weight (Approx.) W450xD400xH600mm/50kg



GURLEY TYPE DENSOMETER

No.

323-AUTO

AUTOMATIC GURLEY TYPE DENSOMETER

JIS-L1096, P8117, ASTM-D726, TAPPI-T460, ISO-5636-5



> FEATURE This tester is used to evaluate the air permeability of paper, paper board, and textile. The operator is to measure the time that certain amount of compressed air passed through the tightly attached test specimen. The user is able to choose between the manual type which the time is measured by a stop-watch and an automatic type which the time is measured by a digital timer. **>**SPECIFICATION

| Model | No.323 | No.323-AUTO | |
|-----------------------------|---|---|--|
| Specimen | 50x50mm | | |
| Clamp | φ28.6±0.1mm (Permeation Area 642mm²) | | |
| Outer Cylinder | Inner φ82.6mm, H254mm, Marker 120mm from Bottom | | |
| Inner Cylinder | Outer φ76.2mm, Inner φ74mm, H254mm, Mass 567±0.5g | | |
| Air Volume | 0 -100ml(Scale 25ml),100 - 350ml(Scale 50ml) | | |
| Time Measuring | Manual (Stopwatch) | Automatic Max. 99999.9 sec Detection: Micro Optical Sensor | |
| Accessory | Machine Oil | | |
| Option | Attachment (φ10mm) | | |
| Power Source | - | 100V 1-Phase 3A 50/60Hz | |
| Dimensions Misinh (America) | W/150vD220vU590mm/12ka | [Main Body] W150xD230xH420mm/20kg | |

[Control Box]

W250xD360xH250mm/5kg

W150xD230xH580mm/13kg



No.

CANADIAN STANDARD FREENESS TESTER



JIS-P8121, TAPPI-T227, ISO-5267-2

> FEATURE

This tester is used to evaluate the freeness of pulp. By filtrating a certain amount of test specimen, the operator is to read the amount of discharged test specimen that flew out from the side tube. The operator is to use the correction table so that the test data is calibrated to the Canadian standard freeness conditions of a standard density of 0.3% and standard temperature of 20 $^{\circ}\!\text{C}$.

Ph/Fax 021 7345.7064 / 7366.0160 || Mobile 0812 8770 5470 || 0812 8140 0749 info@moraanugerah.id | info@moraanugerah.com | mora.anugerahberkat@gmail.com

> SPECIFICATION

Specimen Drainage Chamber 1,000ml (Bone-Dried 3g, Concentration 0.3%)

Inner Hole φ101.5±0.4mm

H127mm(Wire Screen to Rim) Air Cock Hole φ4.7mm or More

Bottom Orifice φ3.05±0.01mm

Wire Screen **Measuring Funnel**

φ111.0±0.5mm, 80mesh Opening φ204mm Overall L280mm

Accessories Option

Side Orifice Inner o13mm Measuring Cylinder, Jug Stand

Dimensions/Weight (Approx.)

W300xD270xH720mm/22kg

LEATHER - VINYL LEATHER CLOTH

325 SCHOPPER-RIEGLER TYPE FREENESS TESTER No.



JIS-P8121, ISO-5267-1

> FEATURE

This tester is used to evaluate the freeness of pulp. By filtrating a certain amount of test specimen, the operator is to read the amount of discharged test specimen that flew out from the side tube to calculate the Schopper freeness. The down flow of the test specimen will be done by pulling up the circular coned valve upwards.

>SPECIFICATION

1,000ml (Bone-Dried 2g, Concentration 0.2%) Specimen

Drainage Chamber Inner ϕ 137mm

H150mm (Wire Screen to Rim) φ112.9±0.1mm, 100mesh

Wire Screen . Opening φ115mm Measuring Funnel

H150mm

Bottom Orifice φ2.4mm Accessories Measuring Cylinder, Jug W250xD460xH1,100mm/18kg Dimensions/Weight (Approx.)

PULP SCREENING TESTER



JIS-P8207

> FEATURE

This tester is used to evaluate the fiber length distribution of paper making pulp. The 4 tanks which have different size of metal mesh, screens the test specimen. The operator is to measure the absolute dry mass of pulp in each tank to calculate the screening degree.

> SPECIFICATION

Specimen 1,000ml (Bone-Dried 10g, Concentration 1%)

Test Bath 191x191x290mm Stirrer Rotation Speed 800rpm 8.3L/min Water Feed φ102mm Wire Screen Diameter

710, 355, 180, 106µm / 1,180, 600, 300, 150µm / Screen Combination

1,400, 850, 600, 300µm Option Flow Meter, Timer 100V 1-Phase 15A 50/60Hz **Power Source** Dimensions/Weight (Approx.) W1,350xD300xH1,400mm/120kg

AUTOMATIC K.B.B. SIZEING TESTER No.



JAPAN TAPPI-No.13/1, JIS-K8122

> FEATURE

This tester is used to measure the K.B.B. size (water resistance) of paper and paperboard. The operator is to clamp the test specimen into one pair of dissimilar metal and soak the surface of the test specimen with an electrolyte liquid that is at a constant density. The tester will automatically measure the time it took to flow electricity due to the penetration of the electrolyte liquid.

>SPECIFICATION

90x90mm Specimen

Moveable Electrode Zinc Made, For One Side Penetration, For Both Side Penetration

Fixed Electrode Bronze Made Micro Current Meter 0 - 100um

Power Source AC100V, 1-Phase, 3A, 50/60Hz ${\color{red} \textbf{Dimensions/Weight(Approx.)}} \quad W400xD350xH500mm/20kg$

CLARK TYPE STIFFNESS TESTER No.



JIS-(L1018), L1096, P8143, TAPPI-(T451)

> FEATURE

This tester is used to evaluate the stiffness of paper, plastic film, and textile according to the Clark's method. The operator is to clip the test specimen between the 2 rolls and rotate it left and right until the test specimen falls over 90°. When the test specimen falls over 90° the operator is to measure the brattish length to calculate the stiffness.

>SPECIFICATION

Specimen Paper: W15 - 50mm (Standard: 30mm), L75mm or More

Textile: W20mm, L150 - 200mm

Roller φ29.0±1.0mm

Angle Scale Left-Right 0 - 90°(Scale 1°) Grip Rotation Speed 1.0±0.1rpm (Manual) Dimensions/Weight(Approx.) W250xD200xH260mm/3kg

TAPE ADHESION ROLLER No.



JIS-C2107, Z0237

> FEATURE

This tester is to evaluate the tack strength of adhesive tape and adhesive sheet by pressure bonding the test specimen to the testing board. The tester is designed so that the mass of only the roller applies to the test specimen when the operator pressure bonds.

>SPECIFICATION

Specimen W25mm 1 250mm

Test Plate W50mm, L125mm, T1.1mm or More Roller φ85±2.5mm (Rubber T6mm), W45mm,

Mass 2,000±100g or 1,000±50g

Bonding Speed 10mm/s (Manual or Motorized)

100V 1-Phase 5 **Power Source** Dimensions/Weight(Approx.) A 50/60Hz (Motorized)

352 GURLEY TYPE WATER ABSORPTIVENESS TESTER (COBB METHOD) No.



JIS-P8140, TAPPI-T441, ISO-535

> FEATURE

This tester is used to evaluate the absorbability of non-water-absorbing paper and paper board according to the Coob's method. The mass of water that a unit area of one side of the test specimen absorbs in a certain amount of time will be recorded as the absorbability of the test specimen.

SPECIFICATION

Metal Cylinder Inner ϕ 112.8±0.1mm (Test Area 100cm²), H25mm, T6mm

Water 100+5ml Option Metal Roller

Dimensions/Weight(Approx.) W150xD150xH60mm/1kg

353 STANDARD SAMPLE CUTTER



> FEATURE

This device enables the operator to exactly extract paper, paper board, and plastic film test specimens for the tensile test. The operator is to cut the test specimen by placing the cutter knife in the grooves of the device.

> SPECIFICATION

Specimen Size W15mm, L250mm

Cutting Number 5pcs

Dimensions/Weight (Approx.) W310xD100xH35mm/5kg

*Models with Other Dimensions can also be Specially Manufactured.

No.

DOUBLE BLADE SAMPLE CUTTER FOR RING CRUSH TESTER



> FEATURE

This device is used to extract paper board test specimens for the ring crush test. The operator can easily obtain test specimens by just lowering the lever.

> SPECIFICATION

Specimen Size W12.7mm, L152.4mm Dimensions/Weight (Approx.) W550xD400xH650mm/32kg

No.

Ph/Fax 021 7345.7064 / 7366.0160 || Mobile 0812 8770 5470 || 0812 8140 0749

info@moraanugerah.com | mora.anugerahberkat@gmail.com

360

CURL-SIZE TESTER



TAPPI-(T466), J.TAPPI-No.14

> FEATURE

This tester is used to measure the curl size and the degree of curl of paper. The operator is to damp one side of the paper and measure the time it curled to its maximum size. The tester is usually used on test specimens that are applied for printing papers.

> SPECIFICATION

Specimen W 38mm, L38~70mm

Float W 0~25.4mm (Adjustable Type), D50.8mm

Angle Scale 30~60° (Scale 1°) Accessories Specimen Mold

Dimensions/Weight(Approx.) W210xD160xH110mm/2kg 367



No.

WATER VAPOUR PERMEABILITY CHAMBER



JIS-(K5400), K6549, L1099, Z0208, TAPPI-T448, T464, ISO-2528

> FEATURE

This device is a constant temperature and moisture oven when conducting vapour permeability test on plastic film, moisture-proof packaging material for processed paper, leather, coating, and textile.

>SPECIFICATION

Oven Dimensions W450xD450xH500mm

Temperature 10 - 80°C, Humidity 30 - 95% Range

Air Velocity 0.5 - 2.5 m/s

Table Rotation Speed 5rpm

Power Source 200V 3-Phase 30A 50/60Hz Dimensions/Weight (Approx.) W1,200xD700xH700mm/400kg

No.

368

INTERNAL BOND TESTER



TAPPI-T569, UM403

> FEATURE

This tester is used to evaluate the internal bonding strength of paper and paper board. The operator is to measure the workload it took for the hammer to peel the L-shaped clasp which is attached to test specimen on the test specimen adhesion board.

>SPECIFICATION

Capacity 0 - 0.4J (Scale 0.005J) / 0 - 0.8J (Scale 0.02J) (2 ranges) Lift-Up Angle

Ph/Fax 021 7345.7064 / 7366.0160 || Mobile 0812 8770 5470 || 0812 8140 0749

info@moraanugerah.id | info@moraanugerah.com | mora.anugerahberkat@gmail.com

ano

Bonding Area 25.4x25.4mm (1x1")...5pcs **Bonding Pressure** 50 - 200psi (20 - 90kgf/in2)

L-shape Mounting Jig...10pcs, Bonding Plate...5pcs Accessories

Digital Display Spec Option Dimensions/Weight (Approx.) W320xD450xH630mm/50kg

No.

371-S

CONTAINER COMPRESSION TESTER



JIS-Z0212, TAPPI-T804

> FEATURE

This tester is used to conduct compression test to packaged cargo and container. The tester is especially suitable to evaluate compression strength of packaged cargo when it is lower loaded during its logistic process.

>SPECIFICATION

Dimensions/Weight (Approx.)

Maximum Load Max. 30kN Compression Plate 1.000x1.000mm **Plate Opening** Max. 1,100mm Compression Speed 10±3mm/min Accessory Chart Recorder

200V 3-Phase 10A 50/60Hz **Power Source**

[Main Body] W1,500xD1,000xH2,300mm/1,200kg [Control Box] W520xD400xH1,200mm/70kg