

EMIN

Testing & Measuring Everything

Testing & Measuring Instruments

Electric-Electronic-Mechanical-Automation Equipment



2020

EMIN is the leading company in direct importing and distributing Testing equipments, Automation equipments, Laboratory equipments, Handheld tools..... with variety of models, offering with best price, with flexible payment policy and outstanding post-sale services. We believe you will be served and advised with all the best.

Mission

Our mission is to work closely with manufacturers, leading suppliers in local and international market to provide high-quality equipment with the best price policy for customers as individuals, domestic and foreign organizations.

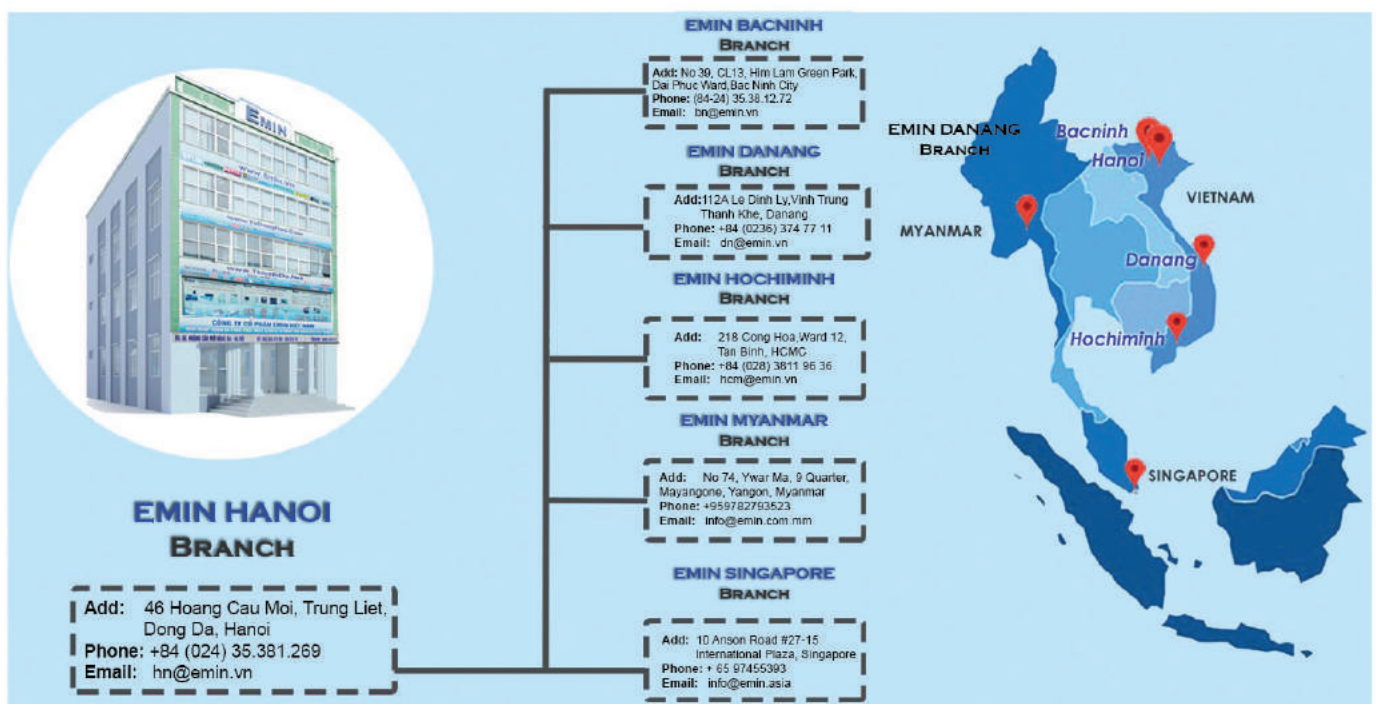
We committed to be a reliable partner not only for enterprises with 100% foreign investment, multinational companies, local businesses, Corporations, projects with international funding, joint-stock companies, limited liability companies, etc ... but also with businesses in the private sector, mainly small and medium enterprises.

Vision

Emin will become a leading distributor of industrial equipment, instrumentation, automation, hand tools, ... in order to meet most of the needs of the enterprises in Vietnam's economy.

The following business policy were gone through by employees of JSC EMIN Vietnam, and imbued with absolute compliance:

- Not selling low quality, counterfeit and pirated goods, goods of unknown origin ...
- Always provide our customers the best products with the most competitive price, comes with perfect service.
- Always priotize prestige, treating customers with respect and honesty ...
- Always put ourselves in customers situation to make decisions and behave with best manners ...
- Always satisfy every customer of EMIN.



EMIN

Testing & Measuring Everything

SUPPLIERS LIST



CUSTOMERS LIST



EMIN
Testing & Measuring Everything



- Provide a comprehensive electrical measurement in civil and industrial.
- Power Laboratory Equipment
- Analyzing electronic signals Equipment
- Telecommunications test equipment
- Fitting equipment, electronics repair

1.1.Electrical and Electronic Meters

Clamp meter



CHAUVIN ARNOUX
METRIX
FLIR
SANWA
GW INSTEK
PROTEK
EXTECH
HIOKI
KYORITSU
TENMARS
SEW
SONEL
BKPRECISION
TESTO
LUTRON
PROKITS
KEYSIGHT

Model: CL601

- Range: 0 to 600 AAC RMS
- Resolution: 0.1 A
- Sampling rate: 64 samples/period
- Storage interval: programmable from 125 ms to 1 day
- Recording modes: Start/End, FIFO, XRM extended mode, on alarm
- Recording duration: from 15 minutes to 8 weeks, programmable with DATAVIEW
- Storage capacity: 240,000 measurements (512 kB)
- Communication: optically-isolated USB 2.0
- Power supply/battery life: 2 x AA 1.5V batteries / from 100 hours to more than 45 days

Multimeter



SANWA
CHAUVIN ARNOUX
METRIX
FLIR
TEKTRONIX
KEITHLEY
GW INSTEK
HIOKI
KYORITSU
SEW
EXTECH
SONEL
PROTEK
TENMARS
EZ DIGITAL
TESTO
OWON
LUTRON
UNI
BK PRECISION PROKITS
TTI
GLOBAL
KEYSIGHT

Model : YX360TRF

Indicator needle

DCV: 0.1/0.25/2.5/10/50/250/1000V + -5%

ACV: 10/50/250/750V + - 4%

Ω : 2k/20k/200k/2M/200M Ω + -5%

DCA: 50u/2.5m/25m/0.25A

C: 10uF

Source: R6 (IEC) or UM-3 (1.5V) x2

Cable Tester/Meter



SEW
CHAUVIN ARNOUX
EXTECH
SONEL
MEGGER

Model : 5500CB

+ Output signal frequency: 125kHz

+ Voltage measurement range: 12~300V AC/DC

+ Accuracy: $\pm(2\%rdg+2dgt)$

+ Display: LCD shows function and bargraph

+ Fuse: 690V/0.5A (6.3 x 32mm)

Leakage Current Tester



KYORITSU
CHAUVIN ARNOUX
GW INSTEK
SANWA
SONEL
HIOKI
SEW
SMARTSENSOR
TENMARS
AINUO

Model: 2412
Measurements:
Current AC: 20 mA, 200mA,
2A, 20A, 200A, 500A
Voltage AC: 0 ~ 600V
Resistance: 200Ω
Frequency: 40 ~ 400Hz
Ring pliers: Ø40mm

Power Quality Analyzer



ROHDE&SCHWARZ
CHAUVIN ARNOUX
METRIX
TEKTRONIX
FLIR
GW INSTEK
SONEL
KYORITSU
HIOKI
SEW
EXTECH
TENMARS BK
PRECISION AINUO
IET LAB

Model :C.A 8333
- Number of channels: 3U / 4I
- Number of inputs: 4V / 3I
- IEC 61000-4-30: EN50160 reports
- Voltage (TRMS AC+DC): 2 V to 1,000 V
+ Voltage ratio: Up to 500 kV
- Current (TRMS AC+DC):
+ MN clamps: MN93 : 500 mA to 200 AAC ;
MN93A : 0,005 AAC to 100 AAC
+ C193 clamp: 1 A to 1000 AAC
+ AmpFlex® or MA clamps: 100 mA to 10000 AAC

Low Voltage Tester



SEW
CHAUVIN ARNOUX
SANWA
FLIR
EXTECH
KYORITSU
HIOKI
SONEL
TESTO
STANLEY

Model :LVD15
Voltage detection: 50V~1000V AC
Frequency: 50~500 Hz
Dimensions: 142(L) × 28(W) × 27(D)mm
Weight (battery included):Approx. 45g
Power source: 1.5V (AAA) × 2

Phase Indicator, Detector



KYORITSU
CHAUVIN ARNOUX
SANWA
HIOKI
SEW
EXTECH
SONEL
BK PRECISION
PCE

Model : 8030
+ Directive
+ Voltage AC 200 ~ 480V
+ Frequency effects: 20 ~ 400Hz, 200V ~ 480V

Tachometer



EXTECH
CHAUVIN ARNOUX
SANWA
HIOKI
SMARTSENSOR
TENMARS
ADTEK
ADASH
TESTO
LUTRON
IMR
KIMO

Model: 461895
Range (RPM)
Contact 5 to 99,999
Non-contact 0.5 to 20,000
Accuracy 0.05% rdg +1 digit
Surface Speed
0.2 to 6560ft/min
0.05 to 1999.9m/min
Resolution 0.1rpm (< 1,000 rpm)

Earth Resistance & Resistivity Tester



KYORITSU
CHAUVIN ARNOUX
GW INSTEK
SANWA
EXTECH
SONEL
SEW
HIOKI
BK PRECISION
SMARTSENSOR
AINUO

Model: 4105A
+ Resistance: 0~20Ω / 0~200Ω / 0~2000Ω
+ Ground Voltage (50.60 Hz): 0~200VAC
Accuracy
+ Resistance: ± 2% rdg ± 0.1Ω (20Ωrange)
± 2% rdg ± 3dgt (200Ω/2000Ωrange)
+ Ground voltage ± 1% rdg ± :: 4dgt
Source: R6P (AA) (1.5V) × 6
Size: 105 (L) × 158 (W) × 70 (D) mm

Multifunction Electrical Installations Meter



KYORITSU
CHAUVIN ARNOUX
SEW
SONEL

Model: 6016
+ Directive
+ Measuring communication circuit, measuring circuit, measuring soil resistivity ...
+ Measuring range: 20/200/2000MΩ /; 20/200MΩ ; 250/500/1000V DC

Magnetic Field Meter



AARONIA
METRIX
WAVECONTROL
HIOKI
EXTECH
TENMARS
LUTRON
NOVOTEST
EMCTD

Model: NF-5030
Frequency range: 1Hz to 1MHz (20/30MHz with Option 008/010)
Magnetic field (Tesla): 1pT to 500μT (typ. at 50Hz) expandable up to an amount of Tesla with PBS1
Magnetic field (Gauss): 10nG to 5G (typ. at 50Hz)
Electric field: 0,1V/m to 5kV/m (typ. at 50Hz)

Static Meter



TREK
MONROE-ELECTRONICS
SIMCO
KASUGA

Model: 523-1-CE
Measurement Range
0 to ±20 kV DC.
Range: 0 to ±19,99 K V.
Resolution: 10 V.
Dimensions : 31mmHx59mmWx183mmD

Static Meter



TREK
MONROE-ELECTRONICS
SIMCO
KASUGA

Model: 152-1-CE
Measurement Range: 103 to 1013 Ω
Measurement Accuracy (of reading) at 25°
 $\pm 10^\circ$ C and 20% to 70% RH:
Point to Point Probe (152BP-5P):
103 Ω to 1012 Ω range, $\pm 5\%$,
1013 Ω range, $\pm 8\%$

Electrostatic Discharge/Charger Monitors



KASUGA
TREK
MONROE
ELECTRONICS

Model: NK-7001
Detection method: Vibration-type static sensor
-Attenuation property
+ Time taken for reduction from 1,000V to 100V
+ Time taken for reduction from 200V to 20V
Display range: ± 0.1 - $\pm 1999.9V$; 0.01 - 99.99sec

Electrostatic Chuck Supply



TREK
KASUGA

Model: PM12003
Output Voltage Range: 0 to +1kV peak AC,
adjustable.
Max Source Current: Rise Time: Less than 5A
peak AC, 5mA DC
Rise Time (10 to 90%, 10pF load): Less than 10ns
Fall Time (10 to 90%, 10pF load): Less than 100 μ s

Static Eliminator (Ionizer)



TREK
KASUGA

Model: 950
Output Voltage: 3.0 kV AC
Air Purge - operating pressure: 0.05 to 0.6MPa
Gauge Pressure (when connecting Nozzle
ionizer and optional nozzle)

Cable Fault Location



TAKACHIHO
SONEL
KEP
DET

Model: MPL-FF
Output frequencies: 512Hz/9.5kHz/38kHz/80kHz
Output power: 1W~5W
Transmitting modes: Direct connection, induci-
tive, External coil
Battery Type: LR20 x 8, Direct: 50h
Visual indication: LCD with Backlight

High Voltage Amplifier



PINTEK

Model: HA-205
2500V/uS Super High Speed Model
170Vp-p ($\pm 85V$ DC)
900mA p-p ($\pm 450mA$ DC)
Bandwidth: 3MHz / 100Vp-p
Gain (AMPL): 0~35 (10 Turn VR+SW)
Microprocess Control Protection

Insulation Tester



KYORITSU
CHAUVIN ARNOUX
METRIX
FLIR
SANWA
SEW
SONEL
LUTRON
HIOKI
EXTECH
MEGGER
SMARTSENSOR TENMARS
BK PRECISION
KEP
AINUO
DET
TSURUGA
IET LAB

Model: 3128
1) Measurement of insulation resistance
Test voltage:
500V/1000V/2500V/5000V/10000V/12000V
Resolution resistance measurement: 500G Ω /1T
 Ω /2.5T Ω /35T Ω
Accuracy: $\pm 5\%$ rdg | $\pm$ and $\pm 20\%$ rdg 3dgt
depending on resolution
Short circuit current: 5mA
2) the output voltage
Power voltage:
500V/1000V/2500V/5000V/10000V/12000V
Accuracy: 0 ~ +20%
Solutions chosen:
50 ~ 600V (step 5V),
610 ~ 1200V (10V step),

High Voltage Testers



SEW
PINTEK

Model: 275HP
8 voltage settings: 240Vac, 2kV, 6kV, 11kV, 22kV,
33kV, 132kV, and 275kV.
High bright LED visual indication.
Sound indication.
Easy-to-prove method.
Self-test selection.
Use 3 $\times$ 1.5V "C" batteries.
High impact nylon casing.
Non-contact work by proximity.

Thermal Imaging Camera



FLIR
CHAUVIN ARNOUX
SONEL
SEEK
WUHAN
TESTO

Model : TG130
- Field of view (FOV): 55° $\times$ 43°
- Minimum focus distance): 0.1 m (4 in.)
- Image frequency: 9Hz
- Focus: Focus free
- Detector type: Focal plane array (FPA),
uncooled microbolometer
- Spectral range: 7.5 - 14 μ m

Cable Height Meter



HAGLOF
SMARTSENSOR
MEGGER

Model: L5
Temperature: -20° to +45° C/ -4°F-113°F.
Height: 0-999 m/ft. Resolution height: 0.1 m/ft.
Angle: -55° - 85°. Unit: Degrees 360°, Grads 400° and %.
Resolution: 0.1°. Accuracy: 0.1°. Laser: Distance: 46cm/1.5ft - 700m/2000ft

InfraRed Thermometer



EXTECH
KYORITSU
TESTO
M&M PRO
LUTRON
HIOKI
CHAUVIN ARNOUX
KIMO
ELCOMETER
EBRO
SONEL
HUATEC
FLIR
SMARTSENSOR
BK PRECISION
PROKITS
LASERLINER
BOSCH

Model: VIR50
Laser Convergence Distance: 50" (127cm)
IR Temperature Range: -58 to 3992°F (-50 to 2200°C)
Repeatability: ±0.5% or 1.8°F/1°C
Basic Accuracy: ±(1% of rdg + 4°F/2°C) (31 to 212°F)
Max resolution: 0.1°F/°C
Emissivity: 0.10 to 1.00 Adjustable
Field of View (Distance to Target): 50:1
Type K Temperature Range: -58 to 2498°F (-50 to 1370°C)
Air Temperature Range: 32 to 122°F (0 to 50°C)R

Battery Tester



EXTECH
CHAUVIN ARNOUX
SEW
BK PRECISION
HIOKI
SBS
TENMARS
ITECH
HOPETECH

Model: BT100
Built-in datalogger stores up to 999 tests
Simultaneously measures DC Voltage and AC Milliohms
Auto power off
Includes Windows® 95/98/NT/2000/ME/XP compatible software for downloading readings to a PC

Electrical Safety



SEW
REGELTEX
CHINA
VIỆT NAM

Model: HS-175-8
Extended length (m): 10.62
Retracted length (m): 1.73
Stick width (mm): 57.5

Safety Testers



GW INSTEK
HIOKI
LEAPTRONIX
AINUO
TSURUGA
HOPETECH

Model: GPT-9603
5 kV AC, 20 mA, 100 VA AC
6 kV DC, 6 mA
Insulation Resistance
240 x 48 Ice Blue Dot Matrix LCD
Auto W-I and I-W Mode

1.2. Electrical Tester

Relay Protection Test Device



HV HIPOT
DET

Model : HT-802
AC current source
- Phase current output (RMS): 0~40A/phase;
accuracy: 0.5%
- 3-phase in parallel output (RMS): 0~120A

Current Generators



FRANCELOG
KEP
DET

Model : MS15000B
- Electrotechnic current generator 15000VA
+ Continuously adjustable using auto-transformer.
+ Current: 0 to 3000A / 5 s / 5V / cables 20m - 1 x 185mm²

Circuit Breaker Tester



SKB
HV HIPOT

Model : PKV-U3.0
Finish all testing subject by itself, no need to connect auxiliary equipment.
Built-in printer, to print results easily.
Large screen LCD, graphically display.

Transformer Test Equipment



SKB
CHAUVIN ARNOUX
HV HIPOT
DET
RAYTECH

Model : PKR-2
Instrument and accompanying documents:
inbuilt OLTC in-place diagnostics mode
(DRM-test), calibration certificate, operation
manual, record book, measurement procedure,
software (SW) for PC.

Insulation Testing



DET
KEP

Model : SVS-15D
Output test AC voltage ranges: 0.1; 3; 15 (kV)
High voltage sources count: 1
Leakage current measuring range: 0.3-7,6;
0.3-10 (mA)
Total weight (control unit, testing bath, HV unit):
51kG

Withstand Voltage Test



WUHAN

Model : YDQ-300/300
 - Impedance voltage: $\leq 8\%$
 - No-load current: $< 7\%$
 - Product type: AC, AC&DC, AC cascade, AC DC cascade.
 - Capacity(kVA): 300
 - HV (kV): 300

Oil Test Equipment



KEP
DET

Model : OLT-100A
 Compact and lightweight
 Fully automatic operation
 Fully compatible with IEC 60156
 Preloaded testing programs for different standards
 Built-in printer

Arrester Testing Device



WUHAN

Model : HTFC-2GB
 - Voltage (U 1mA):
 Range: (0~1999)V; Maximum error: $\leq \pm 1\% \pm 1d$;
 Test Conditions: $1mA \pm 5\mu A$
 - Leakage current (I 0.75U 1mA):
 Range: (0.1~199.9) μA ; Maximum error: $\pm (2\mu A + 1d)$; Test Conditions: $0.75 U 1mA, \leq \pm 2\% \pm 1d$

Capacitance & Tan δ Meter



KEP
RAYTECH

Model : HTRG-H
 - Capacitance measurement range: $0.1\mu F \sim 3300\mu F$
 - Accuracy: $\pm (\text{reading} \times 1\% + 0.005\mu F)$
 - Resolution: $0.001\mu F$
 - Inductance measurement range: $100\mu H \sim 50H$
 - Accuracy: $\pm \text{reading} \times 2\%$

High Voltage Testing



DET
KEP
SONEL

Model : AID-70/50
 Output voltage type: DC, AC
 Max output voltage (kV): 70VDC, 50VAC
 Max output current (mA): 14(DC), 45(AC)
 Output voltage measuring range (kV): 0.5-70 (VDC), 0.5-50 (VAC)

High-Voltage Measuring



DET

Model : RD-250
 RD-250 provides a measurement of:
 - RMS value of the AC voltage of 50 Hz.
 - DC average value.
 RD-250 can be used to test high-voltage laboratories of electrical and energy profile, as well as scientific research, institutions.

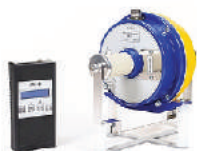
High-Voltage Step-Up Transformers



KEP

Model :TIOG-100 (17kVA)
Transformers test single-phase gas-filled TIOG-55 and TIOG-100 are intended for testing of the high-voltage electrotechnical equipment of class of voltage of 10 kV and 35 kV (above) to short-term variables (50 Hz) up to 55 kV and 100

Tan Delta Meter



DET

Model : IPI-10
IPI-10 is designed to measure the dielectric loss tangent $\tan\delta$ and the capacity of high voltage insulation C when maintaining, repairing, setting-up, testing various power facilities both

Phase Meter



FRANCELOG

Model : FPM03
Measure:
- Frequency of the 3 voltages
+Display of the 3 frequencies (FU1, FU2 and FU3).

SF6 Gas Analyzer



SMARTSENSOR

Model : HTZH-2H
- Measuring range:0%~100%
- Accuracy: $\pm 0.5\%$
- Measuring time: < 2min
Dew point
- Measuring range: $-80^{\circ}\text{C} \sim +20^{\circ}\text{C}$
- Accuracy: $\pm 0.5^{\circ}\text{C}$ ($-80^{\circ}\text{C} \sim -60^{\circ}\text{C}$)

1.3. Calibrators

Process Calibrator



POWERTEK
CHAUVIN ARNOUX
PRESYS
HIOKI
SEW
EXTECH
FLUKE
HUAXIN
IET LAB
KDS
KEYSIGHT

Model : MC142
Voltage range:1mV to 200V
Current range:100uA to 2A
Wave form:square positive, negative, symmetrical, saw A, B, triangle limited sin
Peak value accuracy:0.3% + 50uV
Displayed values:peak, calculated rms

Dry Block, Baths Calibrators



E INSTRUMENTS FLUKE
EBRO
PRESYS

Model: TCS 1200
Range: from 150°C (300°F) to 1200°C (2190°F)
Absolute Stability: $\pm 0.2^{\circ}\text{C}$ @ 1100°C
Radial Uniformity: $\pm 0.2^{\circ}\text{C}$ @ 1100°C
Heating Speed: 100°C to 1100°C in 20 minutes
Cooling Speed: 1100°C to 800°C in 50 minutes
Stabilization Time: 15 minutes

Precision Pressure Test Gauge



KDS
HUAXIN

Model: DPC100-20(0.02,SG)
Accuracy: 0.02%, SG
Pressure range : (0~600) bar
Engineering unit selectalbe : Pa,kPa,MPa, psi, bar, mbar, mmH2O, mmHg
Display: 6-digit resolution Back lighted display

Process Calibrator



CHAUVIN
ARNOUX HIOKI
KEYSIGHT
SEW
EXTECH
FLUKE
HUAXIN
IET LAB
KDS
PRESYS

Model: C.A 1623
- Range: 0.00 Ω - 400.00 Ω ; 400.0 Ω - 1,500.0 Ω ; 1,500.0 Ω - 3,200.0 Ω
- Accuracy 4-wire input/ 2-wire/3-wire input/
Output: $\pm 0.1 \Omega$; $\pm 0.5 \Omega$; $\pm 1 \Omega$ / $\pm 2 \Omega$
- Acceptable excitation in: 0.1 - 0.5 mA/ 0.5mA
- 3.0mA ; 0.05mA - 0.8mA; 0.05mA - 0.8mA
- Pt10 385

Portable Pressure Calibrator



PRESYS
FLUKE
KDS

Model: PCS-5070
Accuracy of 0.025 % of full scale.
Input range
-Volt: -10 to 11V and 11to 45V
+Resolution : 0.0001V
+Accuracy: $\pm 0.02\%$ FS
-mA: -5 tới 24.5 mA

Comparison Test Pumps



HUAXIN
KDS

Model: HS318
Pressure Range: (0~600) bar
Stability: Above 0.05%F.S
Working Media: Transformer oil

Sound Calibrator



EXTECH
PULSAR
TENMARS
BK PRECISION
ACO
TESTO
LUTRON

Model: 407766
Frequency: 1000 Hz / $\pm 5\%$
Sound Pressure Level: 114dB / ± 1 dB
Distortion < 2% Total Harmonic Distortion (THD)
Operating Temperature: 32 to 122°F (0 to 50°C)

Calibration Resistors



SEW
SONEL
AINUO
IET LAB

Model: RCB-3-1T(1T)
Resistance ranges (Ω): 1M, 10M, 100M, 1G, 5G, 10G, 100G, 500G
Resistance tolerances: $\pm 1\%$ (F)
Tolerance:
 $\pm 25\text{ppm}/^\circ\text{C}$: 1M Ω , 2M Ω , 7M Ω , 10M Ω , 20M Ω , 30M Ω , 50M Ω , 100M Ω , 200M Ω , 500M Ω

Mechanical Calibration Equipment



METROLOGY

Model: CTB-91000
Center Distance: 1000mm
Center Height: 170mm
Accuracy: 0.008mm

Flow Calibration



BUCK
FLUKE

Model: M-30
Dimensions: 5.5L x 6W x 2.5D inches 14L x 15.3W x 6.4D cm
Flow range: 0.100 - 30 LPM

1.4. Electronic measuring devices

IC Programmer, Tester



GW INSTEK
BK PRECISION
LEAPTRONIX

Model: SU-3280
Logic Signal Level: 1.5V ~ 6.0V, 10mV
IOL, IOH Current: 10mA
Logic Signal Frequency: 75MHz (3-5V) / 60MHz (2.5V) / 45MHz (1.8V) / 25MHz (1.5V)

LCR Meter



GW INSTEK
PROTEK
SANWA
EXTECH
PINTEK
HIOKI
TENMARS
BK PRECISION
GLOBAL
KEYSIGHT
MICROTEST CHROMA
PROKITS
TTI
IET LAB

Model : LCR-8110G
Wide Test Frequency 20Hz ~ 10/5/1MHz
0.1% Basic Accuracy & 6 Digits Measurement Resolution
Large LCD Display with Intuitive Interface
Full Measuring Functions with DUT V/I Monitor
PASS/FAIL Function (abs, % or delta) with Judgment Alarm

Frequency Counter



TEKTRONIX
PROTEK
GW INSTEK
ROHDE&SCHWARZ
BKP PRECISION
EZ DIGITAL
TTI

Model: FC-7150U
Frequency measuring range : 0.1Hz~100MHz in A,B input
80MHz~1.5GHz in C input(7150U only)
Trigger level adjustment for input A

Analog Oscilloscope



GW INSTEK
METRIX
PROTEK
BK PRECISION
EZ DIGITAL
PINTEK

Model: OS-5100
100MHz 2CH dual trace
6 inch large size high luminance CRT
Wider than specified frequency response
Signal delay with delay line useful for observation

Digital Oscilloscope



TEKTRONIX
METRIX
GW INSTEK
PROTEK
ROHDE&SCHWARZ
OWON
EZ DIGITAL
BK PRECISION
LECROY
SALUKI
KEYSIGHT

Model :TBS1052B-EDU
Analog channels: 2
Bandwidth: 50Mhz
Sample rate: 1 GS/s
Record length: 2.5k
Bandwidth limited: 20 MHz
Input coupling: AC, DC, GND
Input impedance: 1 M Ω $\pm$ 1%, 50 Ω $\pm$ 1%
Input sensitivity range: 1 M Ω

Handheld Oscilloscope



TEKTRONIX
METRIX
GW INSTEK
PROTEK
BK PRECISION
OWON
EXTECH
SIGLENT

Model: 2516
Bandwidth: 100 MHz
Real Time Sampling Rate: 1 GSa/s (half-channel interleaved), 500 MSa/s (per channel)
Channels: 2 isolated
Max Memory Depth: 40 kpts
Vertical Resolution: 8 bit

Logic Analyzers



LEAPTRONIX
LECROY

Model: LA-2050
Timing Analysis: 500MHz
State Analysis: 200MHz
Bandwidth: 200MHz

Function/Arbitrary Waveform Generators



TEKTRONIX
GW INSTRUK
BK PRECISION
PROTEK
PINTEK
ROHDE&SCHWARZ
EZ DIGITAL
OWON
RIGOL
KEITHLEY
PICO
METRIX
SIGLENT
LECROY
GLOBAL
HIOKI
TTI

Model: 4034
CHANNELS: 2
Frequency: 0.1 Hz to 50 MHz
Period: 20 ns to 10 s
Width: 10 ns to (Period - 10 ns)
Delay: 0 ns to (Period - Width - 10 ns)
Duty Cycle: 1 to 99%
Output amplitude: -10 V to +10 V into 50 Ω load
Operating mode: Continuous, Triggered, Gated, Burst, External Width
Pulse function: Single, Double
Trigger input: Sensitivity 200 mVpp minimum

1.5. Telecom - TV Tester

RF Voltmeter



GW INSTRUK
BOONTON

Model: 9241
2 Channel 1% accuracy at full scale
Voltage Range : 200 μ V to 10 V in eight ranges, (300 V to 700 MHz with a 100:1 divider), Indications to 50 μ V

Radio Stations Tester



KONTOUR

Model: RST-430
Band 1.6... 470 MHz
Carrier setting error < 10⁻⁶*
Deviation in FM mode 0.1 ... 20 kHz (step 10 Hz)
Deviation setting error < 10%

RF, Microwave Power Meter



CHAUVIN ARNOUX
PROTEK
BOONTON

Model : 4500B
8.4" TFT color LCD display
Displays up to 4 measurement channels, 2 memory channels and 1 math channel simultaneously

Measuring Low-Frequency Signals



KONTOUR

Model: SVG-5

Frequency range 300 Hz ... 2.5 MHz

Step 1 Hz, 10 Hz, 100 Hz, 1 kHz, 10 kHz

Relative frequency instability $\pm 1 \cdot 10^{-5} \%$

Frequency setting error $\pm 4 \cdot 10^{-5} \% \pm 1\text{Hz}$

Audio Analyzer



KEITHLEY
GW INSTRON
SEW
BOONTON

Model : 2015

THD, THD+Noise, and SINAD measurements. 5 standard audio shaping filters.

20Hz-20kHz sine wave generator. 13 Digital Multimeter functions (6-1/2 digits).

Base Station Analyzers



ANRITSU

Model : MT8220T

2-port Cable and Antenna Analyzer 400 MHz to 6 GHz

Spectrum Analyzer 150 kHz to 7.1 GHz

Power Meter 10 MHz to 7.1 GHz

Signal Analyzers



PROTEK
ROHDE&SCHWARZ

Model : A434L

VSWR, DTF, Cable Loss, Power Meter Functions

Frequency Range : 5MHz ~ 4GHz

Cable Telecom Test



SEW
EXTECH
BK PRECISION
TENMARS
HIOKI
PROKITS

Model : LC-90

LCD display.

Test pin configuration for 10/100 base-T cable, 10 base-2 cable, RJ45/RJ11 modular cables, AT and T 258 A cable, EIA/TIA 568A/568B cables and Token Ring Cables etc.

DC Power Supply Adjustable $\leq 1\text{KW}$



TEKTRONIX
KEITHLEY
GW INSTRUK
METRIX
EXTECH
EZ DIGITAL
BK PRECISION
QJE
PINTEK
OWON
TTI
ODA
AINUO
ITECH

Model: ODP3031
Max output resolution : 1mV / 1mA
Low ripples / low noise : $300 \leq V_{rms}$ / 2 mVpp
Up to 100 group timers
Up to 10 group preset system configurations
Over-voltage / Over-current protection
Auto-cooling system
3.9 inch high resolution (480 x 320 pixels) TFT
LCD display
Multiple communication interface : USB, and
RS232

AC Power Supply



GW INSTRUK
PRODIGIT
EXTECH
BK PRECISION
UNI
CHROMA
AINUO
ITECH

Model: 5200A
AC Voltage Measurement:
Range: 300Vrms
Accuracy: $\pm 0.3\%$ of rdg. $\pm 0.2\%$ of f.s.
Resolution: 0.1Vrms
AC Current Measurement:
Range /Resolution: 0.2A/0.1mA, 2A/0.1mA,
20A/10mA

DC Electronics Load



KEITHLEY
GW INSTRUK
BK PRECISION
PRODIGIT
PINTEK
MAYNUO
TTI
ODA
AINUO
ITECH

Model: 3311F
Max Power: 300W
Current Max: 60A
Operating voltage: 60V
Display: V, A, W

1.6. Fitting And Repair Electronics Equipment

Soldering Stations



WELLER
PACE
QJE
ATTEN
HAKKO
QUICK
GORDAK YAOGONG
KAWH

Model: WSD811
Soldering station, 1CH, 80 W / 230 V
Silver-Line Technology
1 channel with soldering iron WSP 80 incl.
soldering tip LT-B and safety rest WDH 10
Dimensions W x D x H (mm): 170 x 118 x 102
Channels: 1
Voltage: 230 V
Heating output: 95 W

Conductive Rework Systems



WELLER
PACE
XYTRONIC

Model: PRC2000
Unit: PRC 2000 PRC 2000E
PowerRequirements: 115VAC, 60Hz, 230VAC,
50/60Hz, 400 Watts maximum 365 Watts maxi-
mum

Pre-Heaters



PACE
MANNCORP
SHUTTLESTAR

Model: MC-301
Effective Soldering Area: 9.84" x 7.87" (250 x 200
mm)
Heating Chamber Size: 13.78" x 9.84" (350 x 250
mm)
Temperature Range: Ambient - 310 °C

Area Array (BGA) Rework



WELLER
PACE
MANNCORP
ZHUOMAO
SHUTTLESTAR

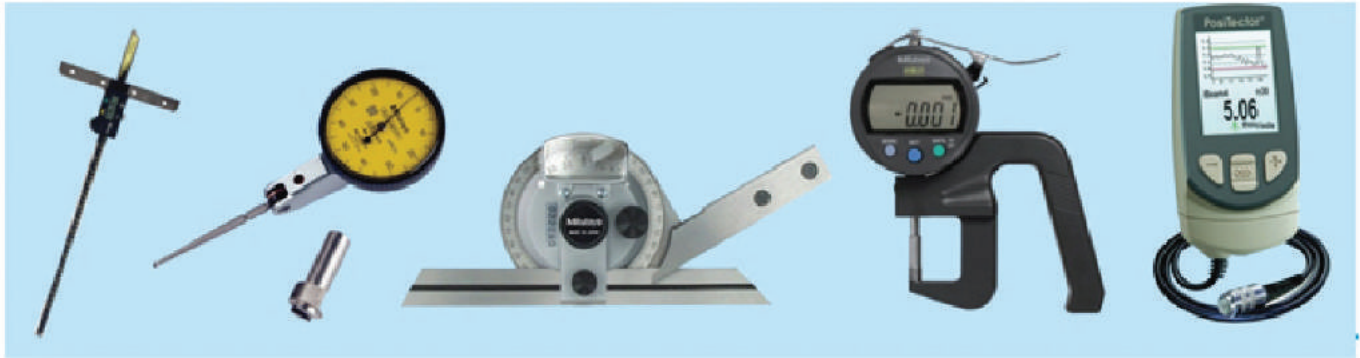
Model: IR 3000
Heater (top side): Medium/Long Wave IR, 500W
Bottom Heater with adjustable: working height-
Medium/Long Wave IR, 1000W 220 x 155mm
(8.6" x 8.6")

Fume Extraction Systems



WELLER
PACE

Model: ARM-EVAC 500
Part Number: 8889-0500-P1
Power Requirements: 230 VAC, 50 Hz
Noise Level: 61 dBA
Number of Inlets: Three 75mm (3")



- Mechanical Measuring Instruments
- Non-Destructive Testing
- Bearing tools
- Hydraulics, Lifting equipment

2.1 Mechanical Measuring Instruments

Digital outside micrometer



INSIZE
MITUTOYO
LUTRON
METROLOGY
MOORE & WRIGHT

Model: 3109-25A

Take detailed measurements of external diameter, thickness of sheet metal

Design standard, compact, easy to use

Range: 0 - 25mm

Digital inside micrometer



INSIZE
MITUTOYO
METROLOGY

Model: 3127-150

Range: 125-150mm

Resolution: 0.001mm/0.00005"

Accuracy: $\pm 5\mu\text{m}$

Protection level: IP 54

Digital Caliper



INSIZE
MITUTOYO
LUTRON
MOORE & WRIGHT
METROLOGY ASAKI

Model: 500-502-10

Range: 0 - 1000mm

Accuracy: $\pm 0.07\text{mm}$

Resolution: 0.01mm

Digital depth Caliper



INSIZE
MITUTOYO
MOORE & WRIGHT
METROLOGY

Model: 571-214-10

Range: 0 - 450mm

Graduation: 0.01mm

Accuracy: $\pm 0.002\text{ in}$

Extension rods: 4 rods

Digital height gauge



INSIZE
MITUTOYO
MOORE & WRIGHT
METROLOGY

Model: 1150-300

Range: 0 - 300mm / 0 - 12"

Resolution: 0.01mm / 0.0005"

Accuracy: $\pm 0.04\text{mm}$

Protractor



INSIZE
MITUTOYO
MOORE & WRIGHT
METROLOGY ASAKI

Model: 187-907

Capacity gauge to measure the angle Mitutoyo machinery, molds, ... always the most accurate measurements

Can be used when measuring the height of fixed size

Length of leaf size: 150, 150 mm

Bore Gages



INSIZE
MITUTOYO
MOORE & WRIGHT
METROLOGY

Model: 2322-250A
Range: 160-250mm
Graduation: 0.01mm
Accuracy: $\pm 0.018\text{mm}$

Thickness Gages



PROCEQ
DEFELSKO
SAUTER
INSIZE
MITUTOYO
EXTECH
ELCOMETER
HUATEC
SMARTSENSOR
NOVOTEST
DAKOTA

Model : 7301
Range : 0 - 10mm
Resolution : 0.01mm
Accuracy : $\pm 15\mu\text{m}$

Replica Tape Reader



PROCEQ
DEFELSKO
SAUTER
HUATEC
INSIZE
MITUTOYO
EXTECH
ELCOMETER
SMARTSENSOR
NOVOTEST
DAKOTA

Model : UTG C1
- Measurement Range: 1.00 to 125.00 mm (0.040" to 5.000")
- Thru-Paint Capability: no
- Measurement Rate – Normal: 6 readings/sec
- Measurement Rate – Normal: 20 readings/sec
- Resolution: 0.01 mm (0.001")
- Accuracy: $\pm 0.03\text{ mm}$ ($\pm 0.001"$)
- Monochrome display with transreflective technology enhances sunlight readability

Dial Indicators



INSIZE
MITUTOYO
HOREX
MOORE & WRIGHT

Model: 513-415E
Range : 0-1mm
Resolution : 0.01mm
Accuracy : $\pm 0.01\text{mm}$

Magnetic-Micrometer Stand



INSIZE
MITUTOYO
METROLOGY
MOORE & WRIGHT

Model : 7011S-10
Stem hole : $\varnothing 4\text{mm}$, $\varnothing 8\text{mm}$, $\varnothing 9.53\text{mm}$
Size of magnetic stands (WxD) : 50x58mm

Granite Surface Plate



INSIZE
MITUTOYO
METROLOGY

Model: 6900-1101
Size (LxWxH): 1000x1000x150mm
Weight : 450 Kg
Accuracy : 0.0048mm

Gauge Block



INSIZE
MITUTOYO
MOORE & WRIGHT

Model: 4100-122
Includes 122 blocks
- Made of alloy: steel
- Accuracy: grade 0 standard
- Meet ISO3650
- Supplied with inspection certificate

Steel Ruler



INSIZE
MITUTOYO
CROSSMAN
ASAKI
TOPTUL

Model: 7110-1000
Range: 0-1000mm
Accuracy: 0.20mm

Distance Meters



LEICA
BOSCH
INSIZE
EXTECH
FLUKE
SMARTSENSOR
M&MPRO
PREXISO
STANLEY

Model: D2- DISTO
This unit contains a Class II Laser with 1mW output
1/16" Accuracy up to 200-Foot Measuring Range. Quick and easy-measure distances at the touch of a button and calculate areas or volumes. Small and handy; fits into any pocket plus a 2 Year Warranty.
IP54 Certified Dust & SPLASH PROTECTED.

Diameter Measurement Caliper



HAGLOF

Model: 11-100-1106
Ranger: 0-1020mm
Material Scale: Alloy coated aluminium, non-reflective

Laser Pulley, Shaft Alignment Systems



EASYLASER
FIXTURLASER
VIBRO-LASER

Model : BEGAD90
Sheave diameters: B 60 mm (2.5") and larger
Sheave thickness: Not depending on sheave thickness

Vibration - Acceleration - Balancing



MMF
ADASH
HUATEC
TOKYO-KEIKI
EXTECH
SMARTSENSOR
LUTRON
BRUEL& KJER
M&M PRO
ZBL
ACO
SPM

Model : HG6360
Acceleration 10Hz đến 1KHz, 10Hz to 10KHz:
0.1-200m/s
Velocity 10Hz to 1KHz: 0.1-400mm/s
Displacement 10Hz to 1KHz: 0.001-4.0mm
Accuracy: <5%
Auto power off
RPM (revolution): 5-100000r/min
Frequency: 0.1 to 10KHz

Torque Meter



INSIZE
SAUTER
LUTRON
MOUNTZ

Model: TQ-8800
Professionals with torque meter
15 Kg-cm torque probe, whole.
3 kind display unit: Kg-cm,
Kg-cm, cm LB-inch and Newton.

Gloss Meter, Roughness Meter



DEFELSKO
INSIZE
HUATEC
MITUTOYO
ELCOMETER
HINOTEK

Model: SPG3-E
Hi Contrast reversible color LCD
Measuring Range: 0 to 500 um (0 - 20 mils)
Accuracy: (5 microns + 5%) , (0.2 mils + 5%)
Storage of 100,000 readings in up to 1,000
batches and sub-batches

Force Gauges Meter



DILLON
SAUTER
KERN
INSIZE
EXTECH
LUTRON
ELCOMETER

Model: FH 100K
Measuring range max: 100kN (10 ton)
Readout: 50 N
Precision: 0,5 % of (Max)
Measuring frequency: 2000 Hz
Overload protection: 150 % of (Max)
Selectable measuring units: N, lb, kg, kN, t
Turnable display with backligh

Force Gauges Meter



DILLON
SAUTER
KERN
INSIZE
EXTECH
LUTRON
ELCOMETER

Model :AWT05-508112,Viettel
-Tension capacities:
2000 lb/10 kN/1000 kg
Wire sizes: 3/16inch through 1 inch
-Accuracy: +3% instrument capacity (calibrated to specific wire size & type
+5% with same wire diameter as calibrated but different wire type)
-Loading error: Cable elongation of only 0.08 inch (2mm)

Indicating Torque Wrench



INSIZE
KTC
TOPTUL
KANON
MOUNT

Model: TB306WG3
Range Resources: 6-30 Nm
Lever-type ratchet (L) : 3/8 Inch

Gloss Meter, Roughness Meter



DEFELSKO
INSIZE
HUATEC
MITUTOYO
ELCOMETER
HINOTEK

Model : ISR-CS130-W
Flat lapping: 0.05, 0.1 , 0.2µm
Reaming: 0.4, 0.8, 1.6µm
Plain grinding: 0.05, 0.1, 0.2, 0.4, 0.8, 1.6µm
Horizontal milling: 0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm

2.2. Non-Destructive Testing

Video Borescope



EXTECH
FLIR
CEM
THREE-IN-ONE

Model: HDV650W-30G
- 25mm camera head (60° FOV, long depth of field) with built-in bright 12 LEDs for illuminating the problem areas
Wireless handset/transmitter with brightness and

Ultrasonic Flaw Detector



PROCEQ
HUATEC
ELCOMETER
NOVOTEST
DAKOTA
ULTRASONICS

Model: Proceq 100 (has UT/TOFD)
Configuration: 2 UT Channels
Transducer Socket: Lemo 1 and BNC
Pulse Voltage: -100 to -450 V (in steps of 10 V)

X ray-MachineT



HUATEC

Model: XXH-3205
Output voltage (Kv): 180 - 320
Input (KW): 3.2
Focus spot (mm): 1.0 x 4.0
Level target: 25° + 5°

Thickness Gages



PROCEQ
DEFELSKO
SAUTER
HUATEC
EXTECH
INSIZE
MITUTOYO
ELCOMETER
SMARTSENSOR
NOVOTEST
DAKOTA

Model: UTG M3
- Probe Style: 5 MHz Contact
- Mode: Single Echo
Measurement Range: 1.00 to 125.00 mm (0.040" to 5.000")
- Mode: Multiple Echo
Measurement Range: 2.50 to 60.00 mm (0.100" to 2.500")
- Thru-Paint Capability: yes
- Measurement Rate – Normal: 4 readings/sec

Hardness Meter



PROCEQ
SAUTER
INSIZE
HUATEC
MITUTOYO
METROLOGY
SMARTSENSOR
NOVOTEST

Model: ISH-SPHA
- Steel & cast steel : 20-68(HRC), 38-100(HRB), 81-654(HB), 81-955(HV), 32-100(HS), 375-2639(Mpa)
- Cast iron : 93-334(HB)

Hardness meter



PROCEQ
SAUTER
INSIZE
HUATEC
MITUTOYO
METROLOGY
SMARTSENSOR
NOVOTEST

Model: HR1500
Load cycle: 3~8s
Load dwell duration: 2~50s, can be set
Resolution :0.1HR
Display:High definition backlight LCD
Operation:Menu selectable, Membrane keypad

Concrete Test Hammer



PROCEQ
HUATEC
ELCOMETER
SJJW

Model: HTH-225 V
Measuring ranges: 10-60MPa
Impact energy: 2.207J
Spring constant: 785N/m
Spring extension: 75mm

OpticScan 3D Scanners



SHINING 3D

Model: OpticScan-DL-Classic
Measuring Area by single Scan:
400mmx300mm(adjustable)
Accuracy: 0.04mm - 0.02mm

Eddy Current Conductivity Meter



HUATEC

Model: HEC102
Measurement technology: Eddy current
Operating frequency: 60KHz
Instrument case: Anti-intense impact,
water-proofing polyester

CNC Measuring System



METROLOGY

Model: II-AF250
Measuring Range(XYZ): 250*150*150mm
Resolution : 0.001mm/0.00005"
Measuring Accuracy : $\pm(2+L/200)$ μ m (X, Y Axis)
Main structure: DIN 00 grade granite table
master base & Z axis T type granite column

Profile Projector



HUATEC
INSIZE
METROLOGY

Model: HB-16
Sturdy metal design with the novel shape
Excellent optical path with the sharp image
Large X, Y measuring travel stage with the
precision accuracy $(3 + L/50)$ μ m
Digital Multifunctional digital readout DC5000
with the strong process function
Touch panel switch protects the operator' safe
Screen diameter: ϕ 400 mm (16'')

Microscope



KERN
INSIZE

Model: ISM-PM200SB
Magnification: 10X - 200X
Pixel: 2M (1600 x 1200)
Type: short focus distance
Illumination: built-in adjustable LED
Focus support: included
Power supply : USB 2.0 cable (voltage required:
 $5 \pm 0.1V$)

Handheld X-ray Fluorescence Spectrometer



HUATEC

Model: XRF Pocket 110

Wide range of measurable elements: Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Zr, Nb, Mo, Sn, Hf, Ta, W, Re, Pb, Bi, Se, Sb, Pb, Au and Hg

Working principle: XRF analysis exploiting X-ray

Coating Thickness Meter



DEFELSKO
SAUTER
INSIZE
EXTECH
ELCOMETER
SANKO
HUATEC
SMARTSENSOR

Model: 6000 FNS3

Non-Conductive coatings on Non-Ferrous Metals Aluminum, Copper etc.

Non-Magnetic coat-ings on Ferrous Metals (Steel & Iron)

- Range: 0 – 1500 μm (0 – 60 mils)

Adhesion Tester



DEFELSKO
SAUTER
INSIZE
EXTECH
HUATEC
SMARTSENSOR
ELCOMETER SANKO

Model: ATA20A-B

Adhesion	Dolly size	Max Pull-Off Pressure	
MPa	10 mm (option)	10000 psi	70
MPa	14 mm (option)	6000 psi	40
MPa	20 mm*(include)	3000 psi	20
MPa	50 mm** (option)	500 psi	3.5 MPa

Gold and Diamonds Tester



SAUTER

Model: TD GOLD 40

Measuring head diameter: 6 mm

Measuring range (Max): 22,500 cm (steel), 4cm (gold)

Precision (of (Max)): 0.005

Readout (d): 10 μm

Test frequency: 5 MHz

You can use the TD-GOLD to determine whether gold bars and coins are genuine or whether they contain a core of a different material

The instrument measures the thickness of gold bars and gold coins using ultrasound

Cover Meter & Rebar Detector



PROCEQ
ELCOMETER
SJJW
NOVOTEST
ZBL

Model: Profometer PM-630
+ Cover Measuring Range: Up to 185 mm (7.3 inch)
+ Cover Measuring Accuracy: ± 1 mm to ± 4 mm (0.04 to 0.16 inch)

Permeability Test



PROCEQ

Model: Torrent
Memory: non-volatile memory for 200 measured objects
Display: 128 x 128 graphic LCD
Interface: RS 232 or optional adapter to USB

Ultrasonic Pulse Velocity



PROCEQ
NOVOTEST
ZBL

Model : 5100
Acoustic transit time accuracy: 0.025 μ s
Dynamic range: 154dB
Receiver sensitivity: $\leq 10 \mu$ v
Emission voltage(V): 65, 250, 500, 1000 V adjustable

Rebar Corrosion Detection



PROCEQ
ZBL
HUATEC
SJJW

Model : ZBL-C310A
Measuring range ± 1000 mV
Accuracy 0.1 mV
Single electrode:
Tested points Interval X: 0 ~ 100 adjustable
Tested points Interval Y: 0 ~ 100 adjustable
Double electrode: Tested points Interval X: 20 fixed

Floor Slab Thickness Meter



SJJW

Model : CH800-A
Thickness test range (mm) : 40 - 600
Thickness test accuracy 40 - 400 (mm) : $\leq \pm 1$ mm
Thickness test accuracy 401 - 600 (mm) : $\leq \pm 2$ mm
Data storage capacity : 40000 test point data

Pull Off Tester For Concrete



PROCEQ

Model : DY-206

Dimensions of housing: 109 x 240 x 205.5 mm

Operating temperature: -10 to 50°C (14 to 122°F)

Storage temperature: -10 to 70°C (14 to 158°F)

Display: in N/mm² based on dia. 50 mm test disc

Steel Structure Analyzer



NOVOTEST

Model : KRC-M2

+ Measurement of coercive force

+ Current measurement

+ Code measurement (units)

+ Additional scale for calibration

Temperature & Humidity Test Chamber



SH SCIENTIFIC
JEIOTECH
MEMMERT
KOMEG

Model : SH-CTH40TSC

Time Range: -15°C ~ 150°C

Humi Range: 30%~99% at Temp 20°C~80°C

30%~95% at Temp 20°C~85°C

25% at over 85°C

2.3 Bearing Tools

Bearing Heaters



ACEPOM

Model: SM38-10

Power (KVA): 10

Voltage (V): 380

ID Ø: mm (mm): >30

Max. OD Ø: (mm): 6500

Max. width: (mm): 220

Operating area (w x h) (mm): 220*280

Standard Yoke s(mm): 20,30,40,80

Pullers



CROSSMAN
ASAKI
TOPTUL

Model: Crossman 82-003

3 Jaws

Size: 3 inch

Hydraulic Pullers



ACEPOM

Model: ACEPOM20-36
 Bore diameter: 10-55 mm (0.39-2.17 in.)
 Outer diameter: 26-120 mm (1.02-4.72 in.)
 Sleeves Maximum shaft length:
 Sleeve A: 220 mm (8.7 in.)
 Sleeve B: 220 mm (8.7 in.)
 Sleeve C: 225 mm (8.9 in.)
 Hammer: ACEPOM20-36-H, weight 0.9 kg (2.0 lb)

2.4 Hydraulics.

Tower Jack



MASADA
KOCU
YATO

Model: MHC-15T
 Capacity (ton):30
 Min Height: 32 mm
 Lift:345 mm
 Max Height:172 mm
 Weight:51.9 kg

Bottle Jack



MASADA
YATO

Model: MH-100Y
 Capacity: 100 ton
 Min Height: 305 mm
 Lift:145 mm

Hydraulics Pumps



YOKOGAWA

Model: 91060
 Pressure range: 0 to 70 MPa

Hydraulic Press



MASADA
KOCU

Model: MQSY-30T
 Pressure force: 30 tons
 Pressure: 0.6 - 0.8 MPa
 Piston stroke: 180mm ø 60 mm
 Two post distance: 580 mm
 Max molding height: 780 mm



- Provide various solution for Mechanical and physical testing
- Testing Mechanical products
- Testing Motor Vehicle
- Testing Package, Bottle, Medicine, Electric-electronic part

Temperaturer & Humidity Test chamber



ARALAB
ASLI
JEIOTECH
KMT
KOMEQ
MEMMERT
SH SCIENTIFIC
SYMOR

Model: PVM-100
No: AAHK4058K
Volume: 1000L
Range: -5 ~ 100
Size: 1720x1650x1534 mm
Size in: 1000x910x1100 mm
Weight: 440 kg

Tensile, Compression Tester



ASLI
EBP
KMT
LABTHINK
LARYEE
MSTECH
PCE
SAUTER

Model : TVM20KN120N
Max. Test Force: 20000N
Dimension: 580x 345x 1200 mm
Gross weight: 83 kg

Salt Spray, Corrossion Testing Chamber



ASLI
KMT
MSTECH
SYMOR

Model : SDH-60
Lab Capacity (L): 110
Saline Capacity (L): 15
Spray Volume: 1.0~2.0ml /80cm2/h
Internal Dimension: 600x450x400 mm
External Dimension: 1100x600x1200 mm

Mechanical Shock Tester



ASLI

Model: SS-5
Max. Load Capacity: 5Kg
Bench Size: 120x120 mm
External Dimension: 800x2200x900 mm
Weight: 600Kg

Thermal Shock Tester



ARALAB
ASLI
KMT
KOMEQ
MSTECH

Model: KTS-200D
Internal Dimension: 670x600x500
External Dimension: 1720x2000x1850
Capacity: 200L
Test chamber: -65°C ~150°C
Test weight: 15 kg

Rain Spray Test Chamber, Waterproof test



ASLI
ESTON
LABTHINK
LISUN
MSTECH
SYMOR

Model: RT-1000A
Internal Dimension WxHxD (mm):
1000x1000x1000
External Dimension WxHxD (mm):
1600x1900x1400
Rain of Pipe-Swing Test
IPx3 IPx4 swing pipe: RT~±80°C
Flow:0.07L/min per Nozzle
Water Spray Test
IPx3 IPx4 jet:2.5m~3m
flow :12.5L/min ~100L/Min

Impact Testing Machine



KMT
MSTECH
LABTHINK
LARYEE

Model: CMT2230
Impact energy: 150J; 300J
Impact velocity: 5.2m/s
Power supply: 3 Phase, ~380V/220V, 50Hz/60Hz
Dimension: 2100x650x1900 mm
Weight(Kg): 600kg

Sand and Dust Test Chamber



ASLI
SYMOR

Model: DT-F1
Concentration of Sand and Dust: F1:
60000mg/m³
Internal Dimension WxHxD (mm):
1000x1000x1000
External Dimension WxHxD (mm):
1600x1800x1300

Light, UV, Xenon Test Chamber



ASLI
SYMOR

Model: ASLI SFT-900A
Power Device: U.V.R light (single tube type)
Internal Dimension WxHxD (mm):700x900x700
External Dimension WxHxD
(mm):1200x1900xD00
Testing Time: 24H, LED display
Testing Voltage: Discharge Voltage 120-145V
Testing Current: Discharge Current 15A-19A

Paper Packaging Test Equipment



ASLI
CELL
INSTRUMENT
HAIDA
KMT
LABTHINK
SAUTER

Model: HD-A513-1
Capacity (Optional): 10, 20, 50, 100, 200 kg
Resolution: 1/100,000
Precision: < 0.5%
Dimension (LxWxH): 790x510x1060 mm
Weight: Approx. 51 kg

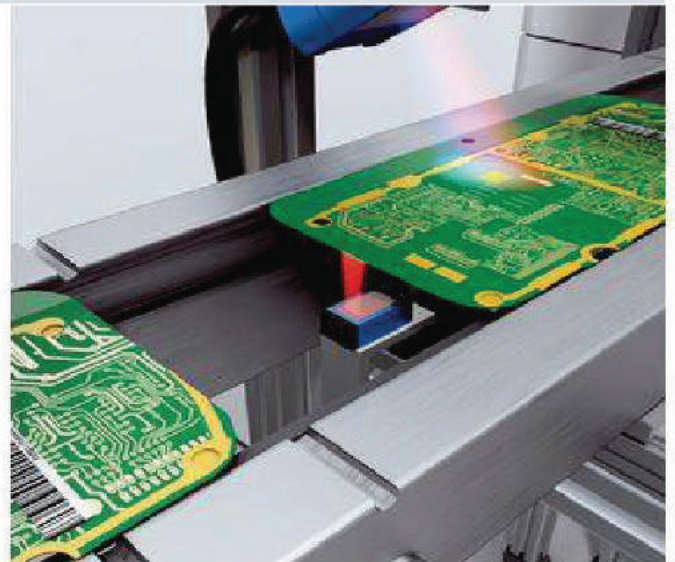
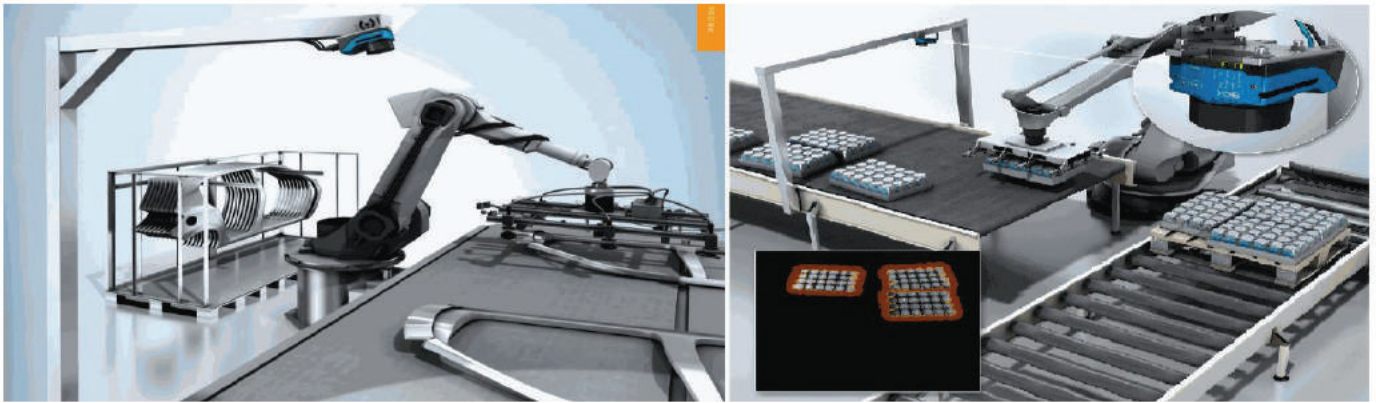
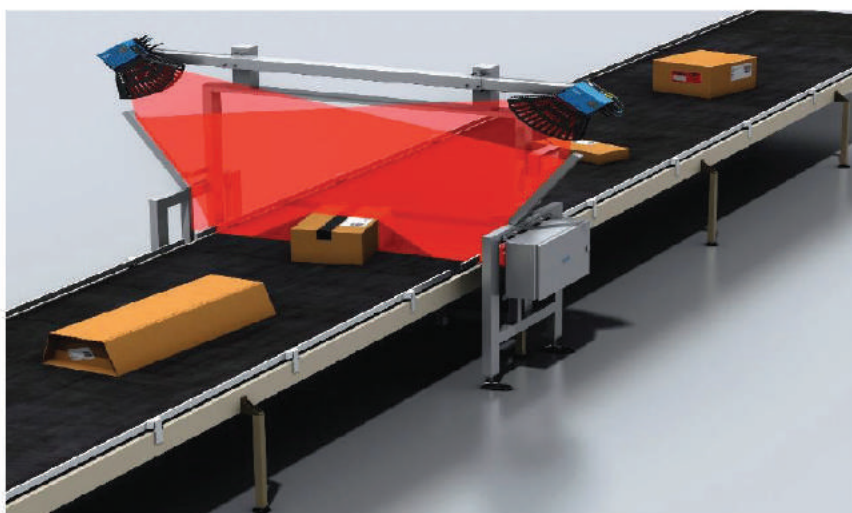


Image-based code readers



- Outstanding image quality thanks to a unique dual-line CMOS sensor that provides high read rates and OCR results
- High scanning frequency for high-resolution images (200 dpi) up to a conveyor velocity of 3.8 m/s
- Integrated verifier for efficient analysis of 1D/2D code quality
- Short downtime when devices are replaced thanks to the intelligent cloning module
- High-contrast, even with color printing, due to optional blue/white illumination

Measures objects with the greatest possible accuracy even at high speeds



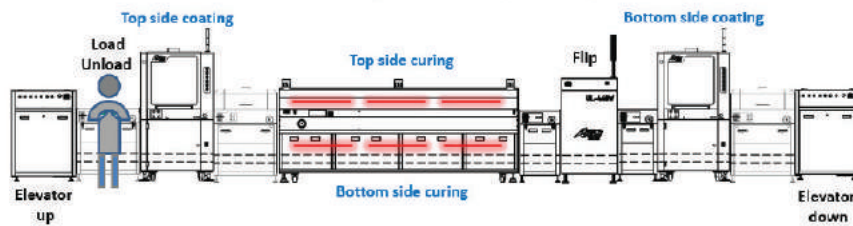
- Measurement accuracy up to 5 mm x 5 mm x 2 mm
- Object sizes up to 5.500 mm x 1.600 mm x 1.100 mm
- Conveying speeds of up to 4.0 m/s
- Certified according to MID and NTEP (OIML)
- Option of output as point cloud
- Separation of metrologically relevant software and application-specific software
- Dynamic scale value

OCR – Inspection - checking



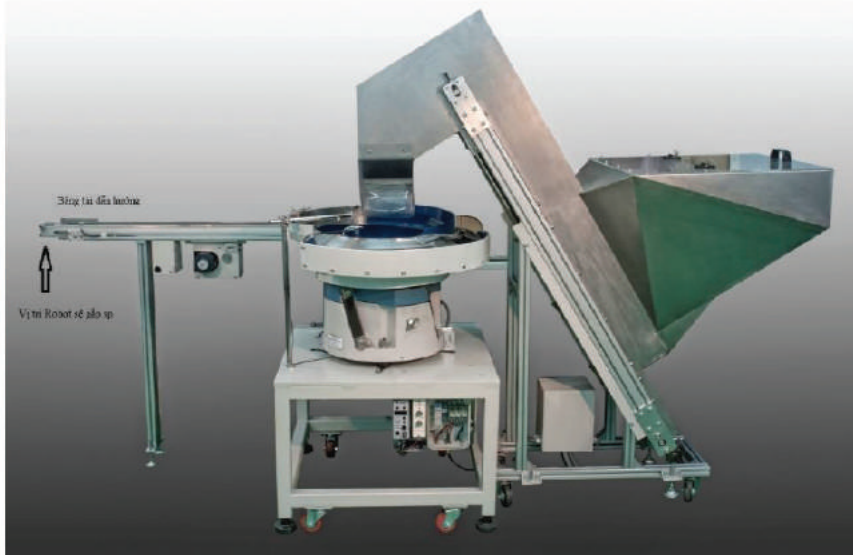
- Dynamic focus and dynamic brightness adjustment provide sharp, uniform images for different object heights, code positioning and transport speeds
- To check pattern or color
- To check presence/Absence
- Integrated verifier for efficient analysis of 1D/2D code quality
- To check OCR
- Minimum object distance: ≥ 50 mm

ONE MAN OPERATION (OMO) – FLUID DISPENSING LINE



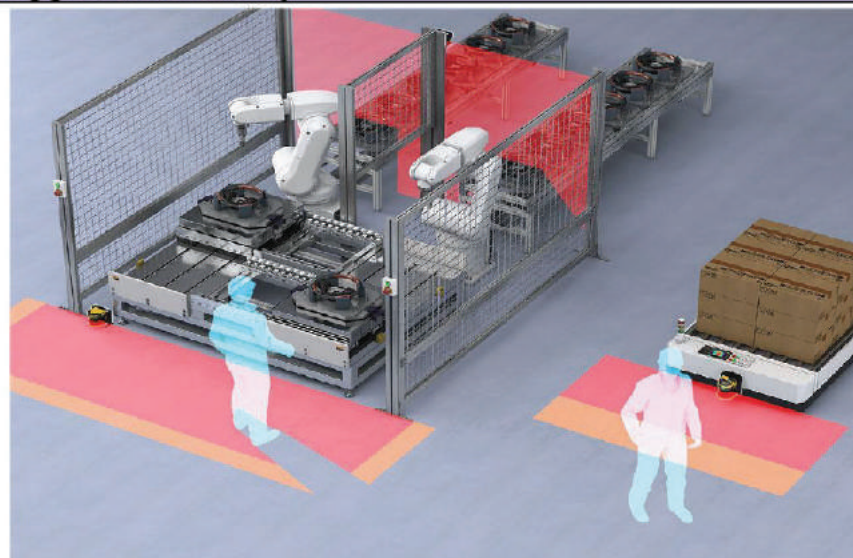
OMO has several advantages over traditional process lines. Product flow input and output occurs at the same location allowing for a convenient manual flip for coating or dispensing on both sides of a PCB assembly. In addition, a single operator can both load and unload the PCB assemblies for the entire line reducing labor costs. This also reduces handling time and the number of pallets needed for conformal coating of PCB assemblies..

PartFeeder



- Bowl is made of 304 Stainless Steel construction
- high speed – 100+ parts per minute on most parts
- customized dimension for different size of products
- easy adjustment, heavy duty construction
- Volt: ~ 220VAC
- Frequency: 40- 400Hz
- Part: Top bowl, feeder drive, linear feeder, controller, hopper, baseboard, conveyor, sensor, air tube, etc...

Application Safety



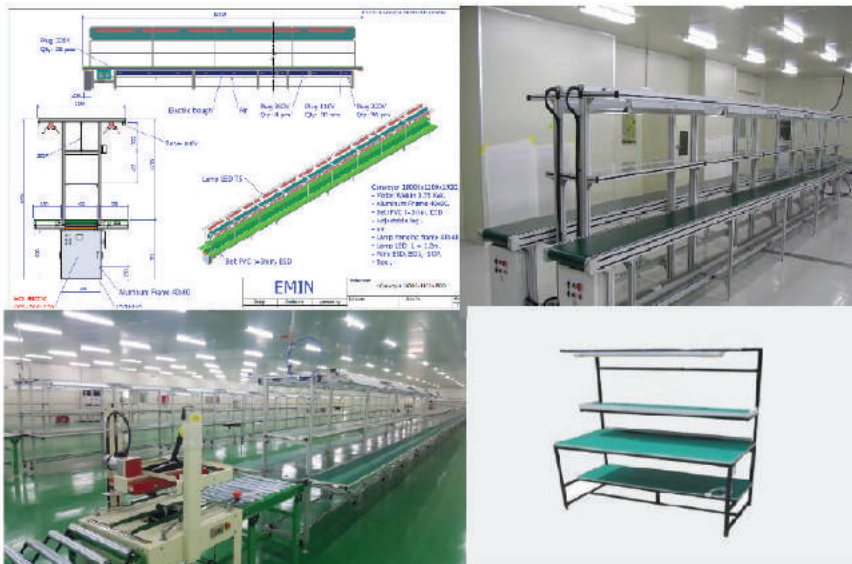
- Protective field range: 4 m / 5.5 m / 7 m
- Warning field range: 49 m
- Scanning angle: 190°
- Number of fields: 24
- Number of monitoring cases: 16
- Response time: 60s
- OSSD pairs: 1
- Easy installation, commissioning and maintenance for stationary and mobile application

Automatic screw robot



- Automatic screw fastening systems with desktop or SCARA robots will increase throughput on a variety of assembly applications. These systems are completely integrated and include robot (desktop or SCARA), electric drivers, screw feeder systems. we can customize the system to suit your needs, provide total solutions.
- Control HMI Touch Screen

Conveyor PVC system

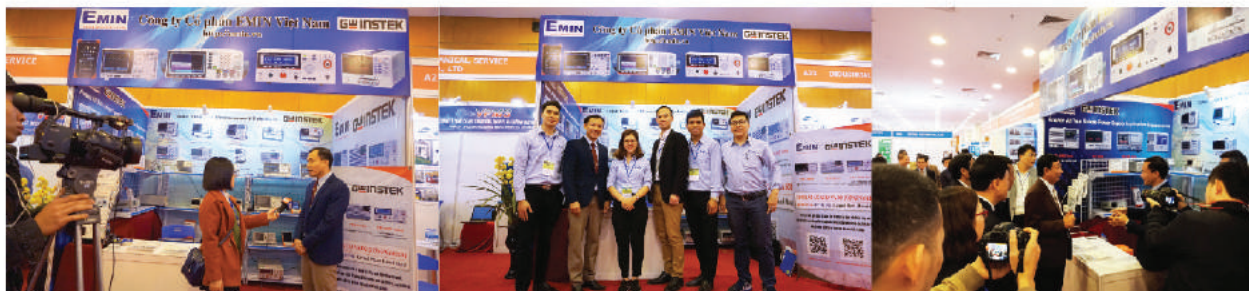


- Adjustable Speed depends on each product and conveyor capacity 5-30 (m/min)
- Material of conveyor frame: Steel frame, stainless steel, ...
- Conveyor belt: PVC belt has roughness surface or smooth
- Rollers: Steel, stainless steel, roller covers rubber ...
- Control table: inverter, emergency stop button, pressing button ON/OFF ...

conveyor chain system



- Hanging chain conveyors are used in factories with the function of transporting products running around factories and production workshops
- , saving production area
- Automatic increase chain by suspension load and spring
- Transportation speed varies by inverter and is overloaded protected
- Conveyor speed 2-7 m / min



EMIN at FBC Hanoi 2018



EMIN at TAIWAN Expo 2018



EMIN at VIIF 2018



Measuring & Testing Workshop 2018



Tektronix IOT Workshop 2018



GWinstek Back-to-Basic Workshop 2018



Rohde&Schwarz Workshop 2019



GWinstek Master the Advances Workshop 2018



NEPCON Vietnam 2019



EMA HCMC 2019



VIIF Hanoi 2019



VIMF Bacninh 2019



Tektronix Seminar 2019



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