

## EMIN Vietnam Joint Stock Company

Environmental Meter - Laboratory Equipment



**TESTING AND MEASURING EVERYTHING**



**2018**



**EMIN Vietnam** joint stock company is the leading company in direct importing and distributing Testing equipments, Automation equipments, Laboratory equipments, Handheld Tools..... With variety models, the best price come with flexible payment policy and good after-sell services. We do believe you will be served and be guidanced with all the best.

### **Mission**

Our mission is to work closely with the manufacturer, the leading provider in Vietnam and the world to provide high-quality equipment and the cheapest prices for customers as individuals and organizations domestic and foreign.

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

### **Vision**

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

The following business perspective were employees of JSC EMIN Vietnam understood, and imbued with absolute compliance with:

- No selling substandard, counterfeit and pirated goods, goods of unknown origin ...
- Always provide our customers the best products with the most competitive price comes with a perfect service.
- Always place the top prestige, not for profit, but fraudulent, deceptive customers ...
- Always put yourself in the place of the customer to take the decision, most likely to behave ...
- Always satisfy every customer to EMIN.





- Environmental Meter indoors and outdoors
- Water Analyzers ...
- Moisture meter in agriculture
- Veterinary Equipment

## 1.1. Environmental and Liquid Meter

### Data Logger Electronic



EXTECH  
HIOKI  
CHAUVIN ARNOUX  
ADTEK  
GRAPHTEC  
HOPETECH

#### Model: TM500

12-Channel temperature datalogging with  
6 Thermocouple types (J, K, E, T, R,S)  
Simultaneously displays CH1 to CH8 or CH9 to CH12  
Offset adjustment used for zero function or to make relative measurements  
Memory stores 99 readings manually  
Datalogging feature records readings with date and time stamp on an SD card (included) in Excel® format

### Environment Humidity - Temperature - Presesure meter, Data Logger



EXTECH  
HIOKI  
CHAUVIN ARNOUX  
SANWA  
DYS  
HANNA  
KIMO  
NAKATA  
PROMETER  
HOBO  
ELCOMETER  
EBRO  
TSI  
SMARTSENSOR  
TENMARS  
BKPRECISION  
PROKITS  
NOVOTEST  
PICO  
BOSCH  
TESTO  
CHINA  
M&MPRO  
PCE  
LUTRON

#### Model: SD700

Barometric Pressure: 10 to 1100 hPa; 7.5 to 825.0 mmHg; 0.29 to 3248 inHg  
Resolution: 0.1 hPa, 0.1mmHg, 0.01inHg  
Temperature: 32 to 122°F (0 to 50°C)  
Resolution/Basic Accuracy: 0.1°F(°C) / ±1.5°F (0.8°C)  
Relative Humidity: 10 to 90%RH  
Resolution/Basic Accuracy: 0.1% / ±(4% of rdg + 1% RH)  
Datalogging: 20M data using 2G SD card  
Dimensions: 5.2 x 3.1 x 1.3" (132 x 80 x 32mm)

### Data Logger Electronic



EXTECH  
HIOKI  
CHAUVIN ARNOUX  
ADTEK  
GRAPHTEC  
HOPETECH

#### Model: RH520A - 220

Records up to 49,000 data points  
Relative Humidity Range: 10.0 to 95.0%  
Accuracy: ± 3%  
Temperature Range: -20.0 to 140.0°F (-28.0 to 60.0°C)  
Relative Humidity: ±1.8°F/±1°C

## Pressure Meters



EXTECH  
CHAUVIN ARNOUX  
TESTO  
PCE  
LUTRON  
KIMO  
EBRO  
KDS

**Model: HD350**

Simultaneous display of Pressure, Air Velocity or Air Flow plus Temperature  
±0.7252psi range  
5 selectable units of pressure measurement  
Max/Min/Avg recording and Relative time stamp  
Data Hold and Auto power off functions  
Large LCD display with backlighting, USB port  
Zero function for offset correction or measurement  
Store/Recall up to 99 readings in each mode

## Light Meters



SANWA  
EXTECH  
KYORITSU  
CHAUVIN ARNOUX  
HIOKI  
SEW  
TENMARS  
BK PRECISION  
SONEL  
SAUTER  
HANNA  
TESTO  
LUTRON  
KIMO  
MILWAUKEE  
SMARTSENSOR  
LASERLINER

**Model: EA30**

Compact and rugged design  
Widest range to 40,000Fc/ 400,000Lux is ideal for outdoor applications  
Large display with bargraph, Relative function for zero or difference from reference value  
Peak function captures short light pulse, Data Hold and Min/Max readings  
Auto power off, Zero function

## Anemometer



EXTECH  
CHAUVIN ARNOUX  
TESTO  
LUTRON  
KIMO  
ELCOMETER  
TSI  
SMARTSENSOR  
TENMARS  
BKPRECISION  
KANOMAX  
ADTEK  
PROKITS  
LASERLINER

**Model: SDL300**

Metal Vane withstands temperatures to 158°F (70°C) and air velocity to 6900ft/min  
Datalogger date/time stamps and stores readings on an SD card in Excel® format for easy transfer to a PC  
Adjustable data sampling rate: 1 to 3600 seconds  
Stores 99 readings manually and 20M readings via 2G SD card



## Sound Level Meter



PULSAR  
CHAUVIN ARNOUX  
EXTECH  
HIOKI  
TENMARS  
BK PRECISION  
SMARTSENSOR  
SAUTER  
SEW  
CEM  
KIMO  
CASTLE  
IET LAB  
ACO  
TESTO  
CHINA  
LUTRON

### Model: 14

+ Low: 35dB(A) to 130dB(A)  
+ High: 65dB(A) to 130dB(A)  
Frequency weighting: dB(A) & dB(C) to IEC 61672: 2002-1 Class 2  
Measurement Functions: LAF, LCF, LAF-Max, LCFMax  
Power: 1 X 9V battery - External DC Power  
Microphone 1/2" pre-polarised electret condenser  
Accessories: Operating manual, Certificate of calibration, Battery, Calibration screwdriver, Windshield

## Radiation Meter/Detectors



POLIMASTER  
HITACHI  
EXTECH  
TENMARS  
HUATEC  
PCE  
LUTRON  
MEDCOM  
SE

### Model: PM1401K

Alarm: can detect all types of radioactive sources: gamma, alpha, beta and neutron (only PM1401K)  
Location: capable of searching for gamma and nuclear radioactive materials  
Pollidentify identification on PC or PDA  
Built-in IR and Bluetooth channels for communication to a PC or a PDA

## 4.2. Gas Detector And Meter

### Multi Gas Detectors



GFG  
EXTECH  
SENKO  
E INSTRUMENTS  
TESTO  
COSMOS  
INDUSTRIAL  
SCIENTIFIC  
RKI

### Model: G460

Humidity: 5% to 95% RH (non-condensing)  
Number of buttons: 3  
Gases offered (option): NH3, CO2, CO, Cl2, ClO2, LEL (Catalytic), LEL (Infra-red), ETO, H2, HCl, HCN, HF, H2S, NO, NO2, O2, O3, COCL2, PH3, PID (VOC), SiH4, SO2

### Fixed Gas Detection



GFG  
SENKO  
UNIPHOS

### Model: EC28DAR

Gases offered (option): NH3, Cl2, ClO2, HCl, HCN, C2H4O, HF, CO, COCl2, SO2, H2S, SiH4, NO2, NO, H2  
Range: 0 .. 100 % LEL, 0 .. 50 % LEL

## Combustion, Emissions Analyzer



E INSTRUMENTS  
KOENG  
TESTO  
COSMOS  
COSA  
MINGTRUN

**Model: E8500**

Up to 9 Gas Sensors: O<sub>2</sub>, CO, NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S (Electrochemical), CO<sub>2</sub>, CxHy Hydrocarbons, High CO (NDIR), VOC (PID)  
Low NO<sub>x</sub> and "True" NO<sub>x</sub> Measurements  
Built - in Thermoelectric Chiller with Automatic Condensate Removal

## Dust Monitor



HUND  
MET ONE  
HAZDUST  
KANOMAX

**Model: EPAM-5000**

Display: LCD-4 lines, 20 characters  
Activity 4 key membrane cleaners, menu-style list of Calibration  
Accuracy  $\pm 10\%$  compared with the gravity of the SAE dust  
Measuring range: 0.001-20.0 mg / m<sup>3</sup> or 0.01 - 200.0 mg / m<sup>3</sup> (optional)

## Particle Counter



PMS  
MET ONE  
EXTECH  
TSI  
KANOMAX  
ATI

**Model: BT-620**

Particle Size Range: 0.3 $\mu$ m - 10 $\mu$ m, 6 channels  
Calibrated Sizes: 0.3  $\mu$ m, 0.5  $\mu$ m, 1.0  $\mu$ m, 2.0  $\mu$ m 5.0  $\mu$ m and 10  $\mu$ m  
User Size Settings :  
0.1 $\mu$ m steps from 0.3  $\mu$ m - 2.0  $\mu$ m  
0.5  $\mu$ m steps from 2.0  $\mu$ m - 10  $\mu$ m

## 4.3. Environmental and Liquid Meter

## Beer And Wine Tester



FIT  
KERN  
HANNA  
SMARTSENSOR  
CENTEC  
PCE  
ATAGO  
M&MPRO

**Model: ATAMT8100**

- Power: 2 x AA batteries, capacity: 2.1AH,
- Working temperature: -10 °C ~ 50 °C, Storage temperature: -40 °C ~ 70 °C;
- Working range: 0.000 - 2.000mg / L
- Accuracy:  $\leq \pm 0.200$  0.025mg / L  
0.400  $\pm 0.200$  ~ 0.040mg / L  
~ .2.000 0.400  $\pm 10\%$
- Response time: T <30
- Pass Level Indication: 0.090mg / L



## Water Flow Meters



DYNAFLOX  
SENSOREX  
TOKYO-KEIKI  
JAIN

### Model: DMTFH

Power Supply: 3 AAA Ni-H built-in batteries. When fully recharged it will last over 12 hours of operation. 90-240VAC for the charger

Velocity: 0 ~ ±40 ft/s (0 ~ ±12m/s), bi-directional

Display: 4 line x 16 English letters LCD back lit, can display total flow, flow rate, velocity and meter running status etc.

Units Rate Totalized: User Configured (English and Metric);

## Analysis Of Water



HUMAS  
HANNA  
LUTRON  
DYS  
HACH

### Model: HI 93102

+ Turbidity: 0.00 to 9.99 NTU / 0.00 to 50.0 NTU

+ Bromine : 0.00 to 8.00 mg/L (ppm)

+ Free Cl<sub>2</sub>: 0.00 to 2.50 mg/L (ppm)

+ Total Cl<sub>2</sub>: 0.00 to 3.50 mg/L (ppm)

+ CYS: 0 to 80 mg/L (ppm)

+ Iodine: 0.0 to 12.5 mg/L (ppm)

+ Iron LR: 0.00 to 1.00 mg/L (ppm)

+ pH: 6.5 to 8.5 pH

## ORP Meter



SENSOREX  
EXTECH  
HANNA  
MILWAUKEE  
DYS

### Model: RE300

- Measures ORP from -999 to 999mV
- Automatic electronic self calibration
- Simulated analog bar graph displays change in ORP reading
- Memory stores and recalls 15 readings and saves last calibrated value
- Data validation indicators show user the reading is stabilized
- Large 3-1/2 digit (2000 count) Digital display

## Ammonia Meter



HANNA  
MILWAUKEE

### Model: HI 96700

Range: 0.00 to 3.00 mg/L (ppm) (as ammonia-nitrogen)

Resolution: 0.01 mg/L (ppm)

Accuracy @ 25°C (77°F): ±0.04 mg/L ±4% of reading

Light Source: tungsten lamp

Light Detector: silicon photocell with narrow band interference filter @ 420 nm

Method: adaptation of the ASTM Manual of Water and Environmental Technology, D1426-93,



## Iron Meter

HANNA  
MILWAUKEE**Model: Mi408**

Iron Range: 0.00 to 5.00 mg/l Fe  
 Iron Resolution: 0.01 mg/l  
 Iron Accuracy:  $\pm 0.03$  mg / l @ 1.50 mg/l  
 Light Detector: silicon photocell and  
 525 nm narrow band interference filter  
 Environment: 0 to 50°C / 32 to 122°F;  
 max RH 100%  
 Auto-off: after 10 minutes of non-use

## Phosphate Meter

HANNA  
MILWAUKEE**Model: Mi412**

Phosphate Range: 0.00 to 2.50 mg/l  
 PO<sub>4</sub>  
 Resolution Range: 0.01 mg/l  
 Accuracy Range:  $\pm 0.04$  mg/l @ 1.00  
 mg/l  
 Light Detector: silicon photocell and  
 610 nm narrow band interference filter  
 Environment: 0 to 50°C / 32 to 122°F;  
 max RH 100%  
 Auto-off: after 10 minutes of non-use

## Sugars Meter

KERN  
HANNA  
EXTECH  
MILWAUKEE  
CENTEC  
ATAGO**Model: PAL-3**

Measurement scale range: Brix 0.0 to  
 93.0%, 9.0 to 99.9 degrees C  
 Measurement resolution: Brix + or - 0.1%,  
 temperature + or - 1 degree C  
 Sample measurement temperature: 10  
 to 100 degrees C (ATC)  
 Ambient temperature: 10 to 40 de-  
 grees C  
 Sample volume: 0.3 mL

## Manganese Meter



HANNA

**Model: HI 96709**

Range: 0.0 to 20.0 mg/L  
 Resolution: 0.1 mg/L  
 Accuracy:  $\pm 0.2$  mg/L  $\pm 3\%$  of reading @  
 25°C  
 Light Source: Tungsten lamp  
 Light Detection: silicon photocell with  
 narrow band interference filter @ 525  
 nm  
 Battery Type / Life: 1 x 9V / approx. 40  
 hours of continuous use;  
 auto-off after 10 minutes of non use

## Chlorine Meter



HANNA  
EXTECH  
MILWAUKEE  
DYS

### Model: HI 96734

RangeCl, Free 0.00 to 10.00 mg/L  
Cl, Total 0.00 to 10.00 mg/L  
Resolution: 0.01 mg/L from 0.00 to 3.50 mg/L; 0.10 mg/L above 3.50 mg/L  
Accuracy @25°C:  $\pm 0.03$  mg/L  $\pm 3\%$  of reading @ 25°C; excluding dilution error  
Light Detector: silicon photocell with narrow band interference filter @ 525 nm  
Environment: 0 to 50°C (32 to 122°F); RH max 95% non-condensing

## Copper Meter



HUMAS  
HANNA

### Model: HI 96702

Range: 0.00 to 5.00 mg/L (ppm)  
Resolution: 0.01 mg/L (ppm)  
Accuracy @ 25°C (77°F):  $\pm 0.02$  mg/L  $\pm 4\%$  of reading  
Light Source: tungsten lamp  
Light Detector: silicon photocell with narrow band interference filter @ 575 nm

## Turbidity Meter



HUMAS  
EXTECH  
HANNA  
LUTRON  
MILWAUKEE  
HINOTEK

### Model: HI 847492

Range: 0.00 to 9.99 FTU 10.0 to 99.9 FTU 100 to 1000 FTU  
Resolution: 0.01 FTU from 0.00 to 9.99 FTU 0.1 FTU from 10.0 to 99.9 FTU 1 FTU from 100 to 1000 FTU  
Accuracy:  $\pm 2\%$  of reading plus 0.05 FTU  
Repeatability:  $\pm 1\%$  of reading or 0.02 FTU,

## High - Voltage Step - Up Transformers



SENSOREX  
EXTECH  
HANNA  
TESTO  
LUTRON  
OHAUS  
EBRO  
MILWAUKEE  
HACH  
TAKEMURA  
SI ANALYTICS

### Model: HI 8314

Range/Resolution/Accuracy:  
pH: 0.00 to 14.00 pH / 0.01 pH /  $\pm 0.01$  pH  
ORP:  $\pm 1999$  mV / 1 mV /  $\pm 1$  mV  
Temperature: 0.0 to 100.0°C / 0.1°C /  $\pm 0.4$ °C  
pH Calibration: manual, two point, through trimmers (offset  $\pm 1$  pH; slope: 80 to 110%)  
Temperature Compensation: Automatic, 0 to 70°C (32 to 158°F)



## Conductivity Meters



SENSOREX  
EXTECH  
HANNA  
LUTRON  
OHAUS  
EBRO  
MILWAUKEE  
HINOTEK  
SI ANALYTICS

**Model: EC400**

Conductivity: 0 to 199.9 $\mu$ S/cm  $\pm$ 2% FS  
200 to 1999 $\mu$ S/cm  $\pm$ 2% FS; 2.00 to 19.99mS/cm  $\pm$  2% FS  
TDS (option sensor): 0 to 99.9ppm (mg/L)  $\pm$  2% FS; 00 to 999ppm (mg/L)  $\pm$  2% FS; 1.00 to 9.99ppt (g/L)  $\pm$  2% FS  
Salinity (option sensor): 0 to 99.9ppm (mg/L)  $\pm$  2% FS; 100 to 999ppm (mg/L)  $\pm$  2% FS; 1.00 to 9.99ppt (g/L)  $\pm$  2% FS

## Chemical Oxygen Demand COD



HUMAS  
HANNA

**Model: 83099 - 02**

Light Source : tungsten lamps with narrow-band interference filters  
Light Detection: silicon photocell  
Environment: 0 to 50°C (32 to 122°F); max 90% RH non-condensing  
Dimensions: 235 x 200 x 110 mm (9.2 x 7.87 x 4.33)

## Dissolved Oxygen Meter DO



EXTECH  
HANNA  
LUTRON  
OHAUS  
MILWAUKEE  
SI ANALYTICS  
CENTEC

**Model: SDL150**

Dissolved Oxygen: 0 to 20.0 mg/L  $\pm$  0.4 mg/L  
Oxygen: 0 to 100.0%  $\pm$  0.7%  
Temperature: 32 to 122°F (0 to 50°C)  $\pm$ 0.8°C/1.5°F  
Probe Compensation & Adjustmen Salt: 0 to 50% Altitude: 0 to 8910m Temp: 0 to 50°C  
Stores 99 readings manually and 20M readings via 2G SD card

## Iodine Handy Photometer



MILWAUKEE

**Model: MW13**

Range: 0.0 to 12.5 ppm  
Resolution: 0.1 ppm  
Accuracy:  $\pm$  0.1 ppm  $\pm$  5% of reading @ 25 °C  
Light Source: Light Emitting Diode @ 525 nm  
Light Detector: Silicon Photocell  
Environment 0 to 50°C (32 to 122 °F) max. 95% RH non-condensing

## Salt Meter



KERN  
EXTECH  
HANNA  
LUTRON  
EBRO  
DYS  
MILWAUKEE  
ATAGO

### Model: HI 96821

Measuring unit: g/100 g; g/100 mL;  
Specific Gravity; °Baumé; Temperature  
+ Range: 0 to 28; 0 to 34; 1.000 to 1.216;  
0 to 26; 0 to 80°C  
+ Resolution: 0.1; 0.1; 0.001; 0.1; 0.1°C  
+ Accuracy (@20°C): ±0.2; ±0.2;  
± 0.002; ± 0.2; ± 0.3°C

## TDS Meter



HANNA  
SENSOREX  
MILWAUKEE

### Model: MW402

Range: 0.0 to 10.0 g/l (ppt)  
Resolution: 0.1 g/l (ppt)  
Accuracy: ±2% Full Scale  
Conversion Factor: 0.5  
Calibration Solutions (included): 6.44  
g/l (M10038B)  
Conductivity Probe: SE520 (included)

## Oil And Acid Meter



WUHAN  
EXTECH  
HANNA  
EBRO

### Model: RF12

Ranges: 0 to 18% Brix (10 to 30°C)  
Resolution: 0.2  
Accuracy: ±0.2%  
Dimensions/Wt: 6.7 x 1.6 x 1.2" (170 x 40  
x 30mm)/ 6.5oz (185g);

## Multi - Function Environment Meter



HANNA  
EXTECH  
KIMO  
MILWAUKEE  
HACH  
HORIBA  
SI ANALYTICS

### Model: HI98194

pH Range: 0.00 to 14.00 pH  
pH Resolution: 0.01 pH  
pH Accuracy: ± 0.02 pH  
pH Calibration: automatic one, two,  
or three points with automatic recog-  
nition of five standard buffers (pH 4.01,  
6.86, 7.01, 9.18, 10.01) or one custom  
buffer

## Weather Meter



HAZDUST  
KESTREL

### Model: 4500

Heading (true & magnetic)  
Wind direction  
Crosswind  
Headwind/tailwind  
Altitude  
Pressure trend  
Barometric pressure  
Wet bulb temperature



### Controler, Sensor ORP Online



SENSOREX  
HANNA  
HACH  
DYS

**Model: DWA-3000B-ORP**

- Meas. Range :  $\pm 2000\text{mV}$  (Resolution: 1)
- Power : AC 110/220V, 50/60Hz, 3VA
- Accuracy :  $\pm 1\text{ mV}$
- Repetition & Reappearance :  $\pm 1\text{ mV}$
- Response time : 60 sec(90% saturation)
- Analog output : 4~20mA DC

### Controler, Sensors PH Online



SENSOREX  
HANNA  
HACH  
DYS

**Model: HI6100805**

- Range: 0 - 14 pH
- Body: PVDF
- Junction: double, PTFE
- Glass Type: high temperature
- Temperature: 0 - 100°C
- Max Pressure: 6 bar (87 psi)
- Cable: 5 m

## 2.4. Moisture Meter

### Moisture Meter For Agriculture



DRAMINSKI  
OHAUS  
G-WON

**Model: GMM**

- Dimensions: 25.0 x 16.0 x 11.5 cm
- Unit weight: 940 g (with battery)
- Sample loading: manual, using dosage tube with slider
- Sample volume: 270 ml
- Moisture measurement method: capacitive

### Hay And Straw Moisture Meter



DRAMINSKI

**Model: HMM**

- Connection cable length(only version with a cable): 140 cm
- Dimensions of reader: 11.5 x 8.5 x 20.5 cm
- Power supply: 9 volt battery, type 6F-22
- Battery low indication: indicated automatically
- Current intensity: ~ 4 mA

### Soil Moisture Meter



EXTECH  
LUTRON

**Model: MO750**

- Moisture Content: 0 to 50%
- Max Resolution: 0.1%
- Complete with 4 x AAA batteries and sensor cap

## Wood And Construction Moisture Meter



FLIR  
CHAUVIN ARNOUX  
PROCEQ  
EXTECH  
TESTO  
M&MPRO  
LUTRON  
KIMO  
PROMETER  
ELCOMETER  
EBRO  
SANKO  
DELMHORST  
LASERLINER

### Model: MO290-RK

Pinless Moisture: 0 to 99% (limited by wood type)  
Pin-type Moisture: 6 to 40% (Wood); 13 to 99% (Materials)  
Temperature (Air): -4 to 140°F (-20 to 60°C)  
Temperature (IR): -5 to 392°F (-50 to 200°C)  
Humidity: 0 to 99%RH  
Vapor Pressure: 0 to 20.0kPa

## Multifunction Moisture Meter



EXTECH  
DRAMINSKI

### Model: SDL550

Monitor moisture in: rice, hay, grain, corn, cotton, paper and other  
Moisture Content: 10 to 95% /0.1% /3%  
Air Temperature: 0 to 50°C /0.1° /1°C  
Dew Point: -25 to 50°C /0.1°  
Type K Temperature (option): -100 to 1300°C /0.1° /0.2%

## Textile Moisture Meter



DELMHORST  
M&MPRO  
CHINA

### Model: C-2000

Moisture Range: 4% - 16% on lint cotton; 6%- 20% on seed cotton; 12.3% - 25.2% on wool and 6% - 22.4% on viscose/rayon.  
Bright, clear digital display.  
Four separate scales for testing lint cotton, seed cotton, wool and viscose/ rayon.  
Audible, adjustable alarm alerts you when your pre-selected MC has been reached.  
Averages up to 100 accumulated readings.

## Paper Moisture Meter



DELMHORST  
SANKO

### Model: P2000

Three scales:  
4.3%-18% MC for paper.  
5%-40%, for baled scrap paper.  
0 - 100 arbitrary scale, for obtaining relative moisture indications on other material.  
Built-in calibration check.  
Averages up to 100 accumulated readings



## 4.5. Veterinary Equipment

### Draminski Veterinary Ultrasound Scanners



DRAMINSKI

**Model: 4Vet**

- 10.4" touch screen which can be used in gloves,
- easy access to image usage options (gain, focus, zoom, gamma, depth range scanning, frequency of the head),
- managing individual settings (pre-sets),
- storing video sequences (cine loop) and ultrasound images in the device's memory,
- cooperates with many types of electronic

### Draminski Pregnancy Detector



DRAMINSKI

**Model: PDP**

Unit weight: 340 g (with battery)  
 Dimensions: 15.5 x 8.0 x 4.0 cm  
 Length of the cable probe: 110 cm  
 Power supply: 1 x 9 V alkaline battery, type 6LF-  
 Estimated working time on one battery pack: about 17h  
 Recommended working temperature: from 0°C to 60°C  
 Recommended storage temperature: from 5°C to 45°C

### Draminski Mastitis Detector



DRAMINSKI

**Model: MD4X4Q**

Dimensions: 31.0 x 13.0 x 9.0 cm  
 Power supply: 1 x 9 V battery, type 6F-22  
 Measuring range: 10-990 units  
 Recommended storage temperature: from 5°C to 45°C

### Draminski Estrous Detector



DRAMINSKI

**Model: EDC**

Unit weight: 415 g (with battery)  
 Dimensions: 52.0 x 7.0 x 17.0 cm  
 Length of the probe: 42.5 cm  
 Model EDC: for cows and mares  
 Model EDS: for sheep and goats  
 Model EDP: for pig

**EMIN**  
Testing & Measuring Everything





## 1.1. Electronic scales

## Scale Analysis



KERN  
OHAUS  
CAS  
AND  
AXIS

**Model: PA 214C**

- Accuracy: 10-4g (d = e = 0.1 mg) (d repeatability, precision e)
- Repeatability: 0.0001g
- Linearity:  $\pm 0.0002g$
- Unit weight: grams, kilograms, milligram, ounce, ounce troy, carat, penni,

## Balance Techniques



KERN  
EXTECH  
OHAUS  
CAS  
AXIS

**Model: PA 4102C**

Maximum Capacities: 4100g  
Accuracy: 10-2g  
Repeatability: 0.01g  
Linearity:  $\pm 0.03g$   
Unit weight: grams, kilograms, milligram, ounce, ounce troy, carat, penni

## Moisture Analyzer



KERN  
OHAUS  
AND  
AXIS

**Model: MLS 50-3D**

Weighing range (Max): 50 g  
Readout (d): 1 mg  
Reproducibility: 1 mg  
Linearity: 3 mg  
Stabilisation time: 3 s  
Drying modes: Standard drying, Drying in levels, Gentle drying, Rapid drying

## Crane Scale



KERN  
SAUTER  
CAS

**Model: HTS 1T-4AM**

Casing material: Cast aluminium alloys  
Maximum humidity: 10% to 95 %  
Operating temperature: -20°C to 40°C  
Gross weight: 8.522 kg  
Dimensions packaging (WxDxH): 300 mm x 400 mm x 250 mm

### 1.2. Laboratory Equipment

#### Stopwatches/Timers/Clocks



EXTECH

**Model: 365535**

Large triple display with adjustable contrast  
1/100th second precision for 19 hours  
Timing capacity of 19 hours, 59 minutes, and  
59.99 seconds with  $\pm 5$  seconds/day accuracy  
500 memory records of Split and Lap times  
Calendar displays day, month and date

#### Spectrometer



LABOMED  
SI ANALYTICS  
HACH  
DYNAMICA  
PG INSTRUMENTS

**Model: UVD - 3500**

Wavelength range: 190 nm - 900 nm  
Spectral bandwidth: 0.1, 0.2, 0.5nm, 1.0nm, 2.0nm, and 5.0 nm.  
Stray Light:  $> 0.01\%T$   
Wavelength accuracy:  $\pm 0.3$  nm (automatic correction)  
Wavelength Reproducibility: 0.1 nm  
Photometric Range: 4.0 ~ 4.0 Abs

#### COD - BOD



VELP

**Model: BOD SYSTEM 6**

Data memory BOD 5 value in 24 hours  
Display: 7 LED 3 mm high  
Scale: 90; 250; 600; 999 ppm or greater after dilution  
Sources: 2 lithium battery (250mAh)  
Equipment designed standard 3 IEC 1010 safety standards and IEC 529 IP 44 protection  
Ambient temperature operation -25 °C to +60 °C

#### Drying Oven



SH SCIENTIFIC  
JEIOTECH  
NABERTHERM  
MEMMERT  
ESCO  
CHINA  
ASLI

**Model: SH - DO - 149NG**

Temp Range: Ambient +10°C to 250°C  
Temp Accuracy & Stability:  $\pm 0.1^\circ C$   
Dimension Internal: 555 x 450 x 600 (W x D x H)  
Accessory: Stainless Steel Shelves 2EA(Basic spec), 12EA(Maximum)  
Material External: Steel Plate SS 41 With Powder Heating Coated



## Titration Equipment



HANNA  
SI ANALYTICS  
SCHOTT  
YSI  
PG INSTRUMENTS

### Model: TitroLine® alpha plus

Measurement range: -2000.0 ~ +2000.0 mV; 0.000 ~ 14.000 pH; -75 ~ 175.0 °C; 0.0 ~ 100.0 mA  
Connection of up to 5 piston burettes for titration and dispensing  
100 preprogrammed standard titration methods  
50 customized methods

## Distillation Protein



VELP  
OMNILAB

### Model: UDK139

+ 01 x 300mm test tubes Ae42  
+ 01 250ml sample flasks inspiration  
+ 01 The reagent supply pipes.  
+ 01 test tube clamp.

## Digesters



VELP  
OMNILAB

### Model: DKL8

The device is made: in accordance not go, there Phy Epoxy paint.  
Control system: graphics processor with LCD display.

## Centrifuges



HERMLE  
CHINA  
HETTICH

### Model: Z36HK

max. Speed: 30000 rpm  
max RCF: 65390 xg  
max. Volume: 6 x 250 ml  
Speed Range: 200 - 30000 rpm with 10 rpm increments

## Waterbath



JEIOTECH  
GFL  
MEMMERT  
CHINA

### Model: WNB 29

Capacity: 29L  
Display of temperature  
Adjustable temperature: Temperature 5 degrees C above ambient temperature up to + 95 degrees C.

### Colour Meter



CHINA  
LUTRON  
CHN SPEC

**Model: RGB - 1002**

Measure the sample: there is no light form (textile, paper, leather ...).  
Measurement value: RGB value, the value of HSL (Hue / Saturation / glare).

### Autoclave Sterilizer



SH SCIENTIFIC  
JEIOTECH  
MEDSOURCE  
STURDY  
HIRAYAMA  
NYX TECHNIK  
CHINA

**Model: TC - 750**

External DIA L.W.H. ( cm ): 168 x 95x 194  
Chamber Ø x D ( cm ): 75 x 120  
Capacity ( Liter ): 530  
PowerConsumption ( kw ) : 24 (380V)

### Ultrasonic Cleaners



JEIOTECH  
JEKEN

**Model: UCP - 02**

Bath Volume: 2 l  
Temperature Range: Amb. ~ to 70°C  
Ultrasonic Power: 100 (W)  
Dimension Bath Internal: 142 x 132, 104mm

### Asphalt Tester



CHINA

**Model: SYD - 2806E**

Power supply: AC 220V (tolerance: -5%~+10%), 50 Hz;  
Measurement range: +5.0°C~90±0.5°C, or +5.0°C~75±0.5°C;  
Temperature resolution: 0.01 °C

### Heating/Water Baths



SH SCIENTIFIC  
JEIOTECH  
CHINA

**Model: VB - 25G**

Digital timer for delayed ON / OFF. (from 1 min to 99 hr 59 min)  
Working Temperature Range: Amb. +5 to 150°C  
Temperature Stability: 0.05 ±°C



## Water Distiller



GFL  
SI ANALYTICS  
HAMILTON  
STUART  
LASANY  
POBEL  
CHINA

**Model: 1810**

Speed 1.8L / h  
Voltage: 220V/50Hz  
Power: 3kW  
Applications for applications requiring high quality pure water to believe will not interfere with the

## Shakes



GFL  
VELP  
JEIOTECH  
HETTICH  
STUART  
CHINA

**Model: SSL2**

Shaking action: Reciprocating  
Platform dimensions (w x l): 335 x 335mm  
Speed range 2: 5 to 250 rpm  
Orbit / amplitude: 20mm  
Maximum load: 10kg

## Stirrer



JEIOTECH  
HANNA  
VELP  
STUART  
THERMO  
NYX TECHNIK  
CHINA

**Model: AREC.X**

Ceramic heating plate resists acids, bases and solvents  
Maximum temperature: 550 °C  
Accepts up to 15 liter flasks  
Electronic speed regulation up to 1500 rpm

## Heating Plates



SH SCIENTIFIC  
JEIOTECH  
VELP  
SCHOTT  
SI ANALYTICS

**Model: RC**

Construction material: epoxy painted aluminum structure  
Heating plate: aluminum alloy coated with a special protection  
Heating plate diameter: 155 mm  
Power: 600 W  
Maximum temperature: 370 °C

## Scrubber



VELP  
OMNILAB

**Model: SMS**

Using the decomposition of the sample  
The device is made of stainless steel, corrosion resistant epoxycoating chemicals.  
Optional Accessories for Steam filter  
The agent absorbs carbon

### Cabinet Microbial Cultures



SH SCIENTIFIC  
JEIOTECH  
CHINA

**Model: BC - 21B**

Air Volume: 119 to 399 cfm  
Noise Level: < 67dBA at initial blower speed  
Illumination Intensity (lux): > 650  
UV lamp (W): 30W electronically ballasted UV Lamp

### Furnaces



SH SCIENTIFIC  
NABERTHERM  
THERMO  
SHINE  
CHINA

**Model: HTCT 08/15**

Tmax: 1500 °C  
Control: P330  
Inner dimensions in mm (WxDxH): 170x290x170  
Volume (L): 8  
Outer dimensions in mm (WxDxH): 450x620x570  
Connected (kW): 13,0  
Electrical: 3 phase

### Incubator



SH SCIENTIFIC  
JEIOTECH  
GFL  
VELP  
MEMMERT  
ESCO  
STUART  
HETTICH  
CHINA

**Model: FOC 215E**

Capacity: 207 lit  
Temperature variation: 3 ~ 50 °C  
Accuracy: ± 0.5 °C  
Source: 230 V / 50 - 60 Hz

### Liquid Particle Counter



PMS  
MET ONE  
HACH

**Model: SLS - 2000**

+ Small volume chemical quality assurance  
+ Parts cleanliness testing  
+ Laboratory water sampling  
+ Pharmaceutical testing for USP compliance  
+ Industries: semiconductor, pharmaceutical, data storage, medical, aerospace, automotive, hydraulic oils

### Polarimeter



HINOTEK  
ATAGO

**Model: SWG - 3**

Measure MODE: specific rotation, optical rotation, sugar degree and concentration  
Light Source: LED + interference filter  
Operation Wavelength: 589.3 nm  
Measure Range: ± 45 °( ± 120 °Z)



## Oxygen Deat Meter



CHINA

**Model: XRY - 1B**

Heat capacity: 14000 ~ 15000 J/K;  
 Temperature measurement range: 10 ~ 35°C;  
 Temperature resolution: 0.001 °C;  
 Repeatability error: ≤ 0.2 % (Grade C);  
 Endured pressure in oxygen bomb: 20 MPa;  
 Operation environment temperature: 15 ~ 28°C (Ambient temperature);  
 Temperature fluctuation is not more than 1°C during a test;  
 Ambient humidity: less than 85%;

## Flame Photometer



HINOTEK  
 JENWAY  
 PG INSTRUMENTS

**Model: PFP7**

Designed for industrial analysis  
 Supplied with Na, K, Li, Ba and Ca filters  
 Low temperature, single channel  
 Flame failure safety system  
 Operates with propane, butane, natural gas or LPG  
 3 year warranty

## Flocculators



VELP

**Model: JLT4**

Number of stirring positions: 4  
 Structure made of stainless steel painted with epoxy paint and corrosion-resistant chemical agents conventional mechanical  
 Wing stirring and stirring shaft made of stainless steel with adjustable height

## Viscometer



HINOTEK  
 BROOKFIELD  
 CHINA

**Model: NDJ - 1C**

Measure range: 100mPa 200000mPa •  
 • s ~ s;  
 Rotor sizes: 21, 27, 28, 29 the four propellers;  
 Rotor speed: 5, 10, 20, 50 r / min four equipment;  
 The measurement error: ± 1% (F • S), ± 1% (F • S);  
 Room temperature: ~ 200 °C;  
 Temperature accuracy: ± 0.1 °C; ± 0.1 °C;  
 The tube containing the sample volume: 20ml;

### Extractors



HANNA  
VELP

**Model: FIWE3**

Sample volume: 0.5 - 3.0g

Repeatability:  $\pm 1\%$

Structure is made of stainless steel epoxy coating.

Number of samples: 03

Display time from 0 - 99 minutes with the alarm after the end of each cycle to work.

### Pump Flow



HANNA

**Model: BL20 - 2**

Flow (l/h): 18.3

Head (bar): 0.5

Max Power Consumption (W): 200

Power supply: 220V AC

### Vacuum Pump



JEIOTECH  
HINOTEK  
POBEL  
CHINA

**Model: MVP - 6**

Pumping Speed: 80 l/min

Max. Pressure:  $6.7 \times (10)^{-2}$  pa

Motor Power: 400 w

Motor Speed: 1450 rpm

Recommended Oil: 1.1 lits

### Recirculating Pump



VELP

**Model: JP**

Structure: ABS Polypropylene and corrosion-resistant chemical.

Gas flow rate: 35 l / min

Adjustable flow rate: 0 - 35 l / min

Residual pressure: 35 mmHg with water temperature 15 °C



## 1.3. Equipment For Pharmaceutical

## Tablet Hardness Tester



CHINA

**Model: YD - 2**

Range of hardness test force: 0 ~ 20kgf  
 Accuracy of hardness:  $\pm 0.05\text{kgf}$   
 Diameter range:  $\leq 40\text{mm}$   
 Test time: 10  
 The members of each of the test:  $\leq 100$  members  
 Power: 220V/50Hz/10W

## Tablet Disintegration Tester

PG INSTRUMENTS  
CHINA**Model: BJ - 2**

Basket Assembly: 2  
 Nacelle back and forth frequency: (30 ~ 32) / min  
 Nacelle back and forth range:  $(55 \pm 1)\text{mm}$   
 Automatic time range: (5 - 120) min  
 Accuracy of controlling temperature:  $(37 \pm 0.5\text{ }^{\circ}\text{C})$   
 Power: 220V/50HZ/600W or 110V/60HZ/600W

## Melting Meter

HINOTEK  
CHINA**Model: WRS - 1C**

Melting-point measurement range:  
 room temperature ~  $400\text{ }^{\circ}\text{C}$   
 Setting rate of the "starting temperature":  
 $50\text{ }^{\circ}\text{C} \sim 400\text{ }^{\circ}\text{C}$  no more than 5 mins;  
 $400\text{ }^{\circ}\text{C} \sim 50\text{ }^{\circ}\text{C}$  no more than 7 mins  
 Minimum digital display:  $0.1\text{ }^{\circ}\text{C}$   
 Loading height of the sample: 3mm  
 Linear heating-up rate:  $0.1\text{ }^{\circ}\text{C} \sim 20\text{ }^{\circ}\text{C} / \text{min}$   
 Repeatability:  $0.3\text{ }^{\circ}\text{C}$   
 Accuracy:  $\leq 200\text{ }^{\circ}\text{C}$ :  $\pm 0.5\text{ }^{\circ}\text{C}$ ;  $> 200\text{ }^{\circ}\text{C}$ :  $\pm 0.8\text{ }^{\circ}\text{C}$

## Equipment For Pharmaceutical



CHINA

**Model: RC - 6/3**

Easy to use with 6 cups.  
 Wings stirring speed: 20-200 rpm / min  
 Accuracy:  $\pm 2$  cycle / min  
 Tank temperature: from ambient temperature to  $39.9\text{ }^{\circ}\text{C}$   
 Temperature Accuracy:  $\pm 0.3\text{ }^{\circ}\text{C}$   
 Voltage used: 220V/50Hz/1000W

## Pharmaceutical Mill



CHINA

**Model: FZ 102**

2-4 tModel FZ102  
 Voltage (V): 220  
 Power (W): 250  
 Speed (r / min): 1400  
 Cavity diameter (mm): 102  
 Power supply: 220V/ 50Hz  
 Sieve diameter (mm): 0.5/1/1.5

### 1.4. Medical Equipment

#### Titration Equipment



HANNA  
SCHOTT  
SI ANALYTICS  
YSI  
PG INSTRUMENTS

**Model: HI84532 - 02**

Range: Low Range: 0.10 - 2.00 %CA, 0.11 - 2.35 %TA, 0.10 - 2.09 %MA; High Range: 1.00 - 10.00 %CA, 1.17 - 11.72 %TA, 1.05 - 10.47 %MA  
Resolution: 0.0 1%  
Accuracy (@25°C/77°F): 3% ± 0.02 %CA  
Methods: acid-base titration  
Principle: endpoint titration: 8.1 pH  
Pump Speed: 10 mL/min

#### Electrolyte Clinical Analyzer



LABOMED

**Model: IO - 005**

Parameters: K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>, Ca<sup>2+</sup>, PH  
Assay Method: Ion selective electrode  
Throughput: 60 tests/hr  
Sample Type: Whole blood, serum, plasma, urine, sweat, dialysate  
Sample Volume: 35-120 ul  
Display: 128mm X 64mm back-illuminated LCD

#### Hematology Analyzer



LABOMED

**Model: H - 7021**

Easy operation  
Carry-over prevented by automatic probe interior and exterior cleaning  
Whole blood test mode and prediluted blood test mode available  
Automatic self-diagnosing and alarm function  
Internal real-time monitoring system  
Clog prevention and maintenance function  
Automatic 24 hours standby function  
Multiple report formats available.  
Free cyanide reagent

#### Ultra-sensitive Device For Human Skin



DRAMINSKI

**Model: DermaView**

Length of the probe: 18.5 cm  
Connection cable length: 178.5 cm  
Unit weight: 300 g  
Probe frequency: 48 MHz  
Power supply: computer USB 2.0

## Medical Ultrasound Scanners



DRAMINSKI

**Model: OPUS D**

Power consumption: ~ 2,2 A  
 Working temperature: +10 °C to +45 °C  
 Storage temperature: +5 °C to +45 °C  
 Monitor: 10.4" LCD with LED backlight, LCD touch panel  
 Frequency: 2 to 14 MHz (depending on the probe type used)  
 Image presentation (projection) mode: B Mode, B+B Mode, B+M Mode  
 Doppler: PWD (Pulse Wave Doppler), Color Doppler, PDI (Power Doppler)

## Chemistry Analyzer



LABOMED

**Model: FACA - 261**

Random access and direct reading system  
 Automatic washing system for both sample and reagent probe  
 Liquid level detection and collision protection for both sample and reagent probe  
 Reliable cooling system for reagent chamber  
 Powerful reaction cuvette washing system  
 User-friendly interface  
 ELE module and barcode scanner (optional)

## Microscope

KERN  
INSIZE  
METROLOGY**Model: OZS 573**

Eyepieces: HSWF 10x Ø 22 mm  
 Objective zoom: 0,8x - 8x  
 Eye distance: 52 - 76 mm  
 Tube: trinocular  
 Tube angle: 45 °  
 Magnification: 10  
 Dimensions packaging (WxDxH): 400 mm x 370 mm x 340 mm

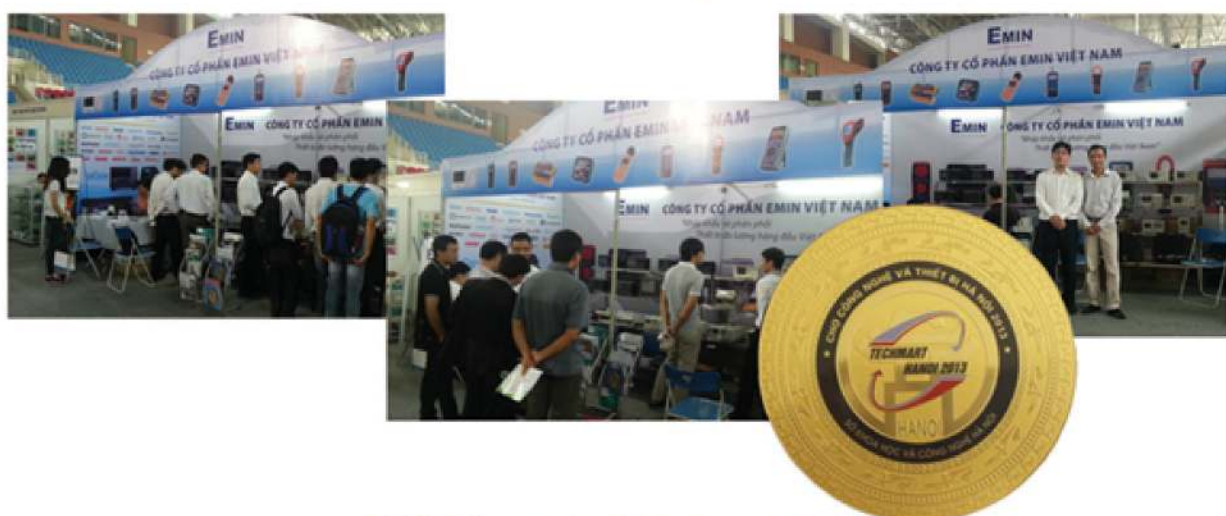




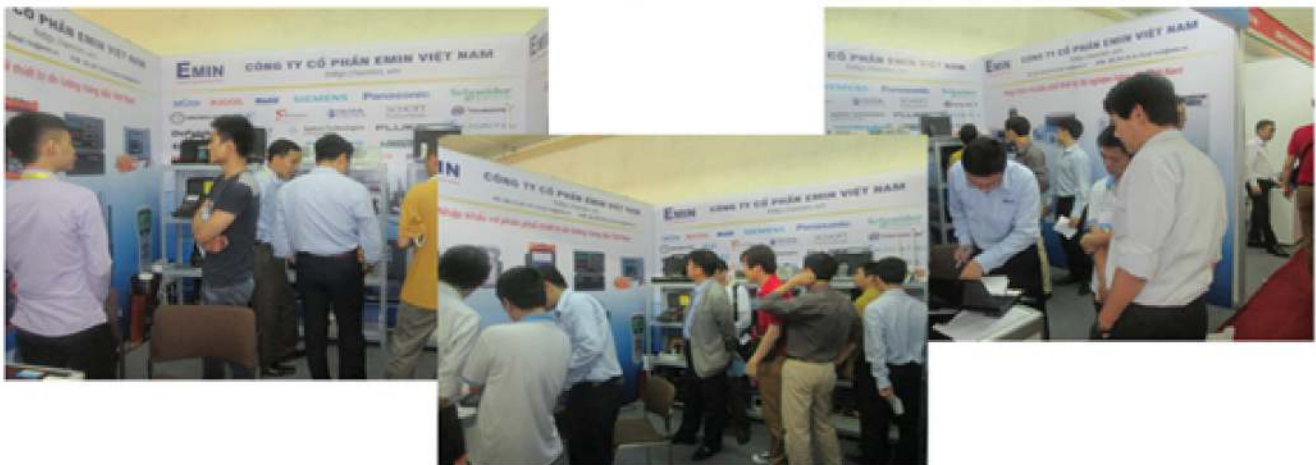
**EMIN at Agroviet 2013**



**EMIN Draminski the workshop from South to North**



**EMIN at Techmart 2013**

**EMIN at Agroviet 2014****EMIN at Expo 2014****EMIN at VIIF 2014**





**EMIN at E&A HaNoi 2015**



**EMIN at NEPCON Vietnam 2015**



**EMIN at E&A HCMC 2015**

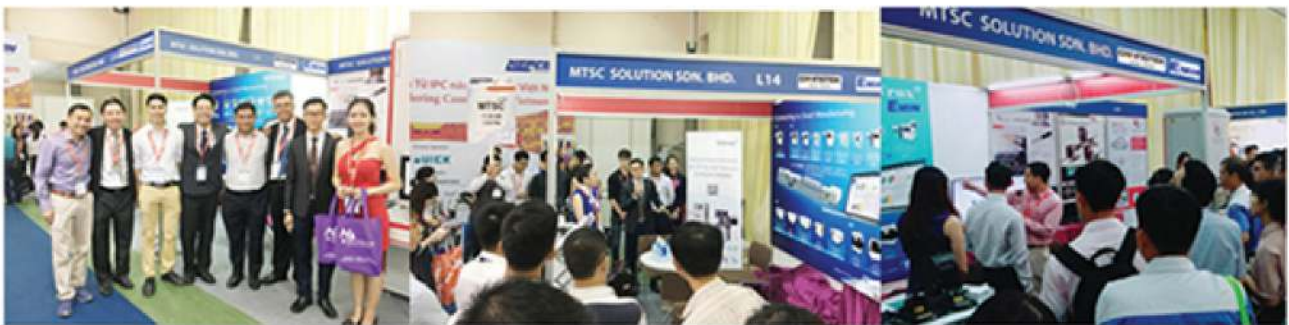


**EMIN at Techmart Hanoi 2016**

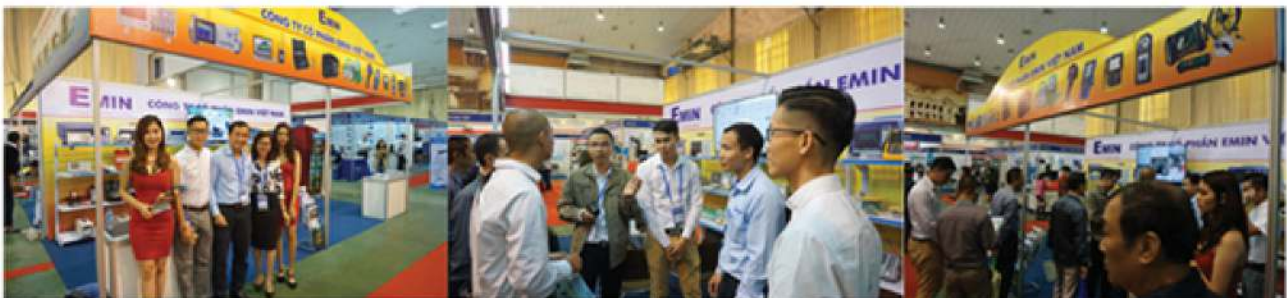




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## EMIN at NEPCON 2017



## EMIN in Vietnam International Industrial Fair (VIIF) 2017



## EMIN at VINAMAC EXPO 2017





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