



# MULTIFLO INSTRUMENTS PVT. LTD.

*HIGH QUALITY TESTING & MEASURING INSTRUMENTS!*

**CONTACT US TODAY!**

Raheja Tesla, Unit 142, Building 1 Edison, Plot Bearing Nos. Gen-2/1/C (Part),  
 TTC Industrial Area, Juinagar, Navi Mumbai 400705.  
 Phone: +91-22-20875567/68. Email: sales@multifloinstruments.co.in

1 H Hydrogen 1.008																	2 He Helium 4.003
3 Li Lithium 6.941	4 Be Beryllium 9.012											5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180
11 Na Sodium 22.990	12 Mg Magnesium 24.305											13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.066	17 Cl Chlorine 35.453	18 Ar Argon 39.948
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.723	32 Ge Germanium 72.631	33 As Arsenic 74.922	34 Se Selenium 78.971	35 Br Bromine 79.904	36 Kr Krypton 84.798
37 Rb Rubidium 84.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.95	43 Tc Technetium 98.907	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.906	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.414	49 In Indium 114.818	50 Sn Tin 118.711	51 Sb Antimony 121.760	52 Te Tellurium 127.6	53 I Iodine 126.904	54 Xe Xenon 131.294
55 Cs Cesium 132.905	56 Ba Barium 137.328	57-71	72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.217	78 Pt Platinum 195.085	79 Au Gold 196.967	80 Hg Mercury 200.592	81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.980	84 Po Polonium [208.982]	85 At Astatine 209.987	86 Rn Radon 222.018
87 Fr Francium 223.020	88 Ra Radium 226.025	89-103	104 Rf Rutherfordium [261]	105 Db Dubnium [261]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [265]	109 Mt Meitnerium [268]	110 Ds Darmstadtium [269]	111 Rg Roentgenium [272]	112 Cn Copernicium [277]	113 Uut Ununtrium unknown	114 Fl Flerovium [289]	115 Uup Ununpentium unknown	116 Lv Livermorium [293]	117 Uus Ununseptium unknown	118 Uuo Ununoctium unknown

**Periodic Table of the Elements**

6 C Carbon 12.011	Atomic Number	Symbol	Atomic Mass
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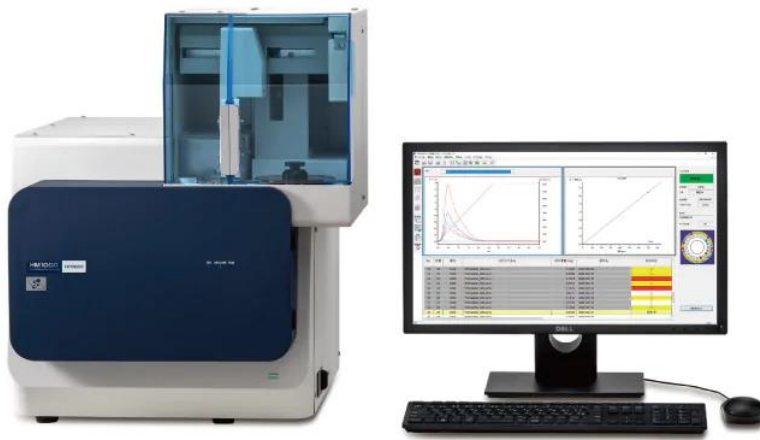
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57 La Lanthanum 138.905	58 Ce Cerium 140.116	59 Pr Praseodymium 140.908	60 Nd Neodymium 144.243	61 Pm Promethium 144.913	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.925	66 Dy Dysprosium 162.500	67 Ho Holmium 164.930	68 Er Erbium 167.259	69 Tm Thulium 168.934	70 Yb Ytterbium 173.055	71 Lu Lutetium 174.967
89 Ac Actinium 227.028	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium 237.048	94 Pu Plutonium 244.064	95 Am Americium 243.061	96 Cm Curium 247.070	97 Bk Berkelium 247.070	98 Cf Californium 251.080	99 Es Einsteinium [254]	100 Fm Fermium 257.095	101 Md Mendelevium 258.1	102 No Nobelium 259.101	103 Lr Lawrencium [262]

# HITACHI

Inspire the Next

## HITACHI HI TECH - TD-MS, JAPAN



The HM1000 is a dedicated instrument designed for fast, easy, on-site screening of phthalates. In addition to easy operation, the **HM1000A** features high throughput testing that achieves automated analysis of 50 samples in approximately 8 hours. It is mainly used as a screening instrument for **RoHS Phthalates Analysis**. **No external gases required. Yearly operational costs 1/4<sup>th</sup> of GC-MS with Pyrolysis.**



## ISP Co. Ltd. - EDXRF, REPUBLIC OF KOREA

ISP Co., Ltd. is a company specialized in X-ray fluorescence (XRF), holding great technologies such as X-ray fluorescence analysis and X-ray fluorescence thickness measurement for precise coating thickness. **RoHS Hazardous Material (Cr, Br, Cd, Hg, Pb, Cl, Sb, Sn, S) can be screened. Analysis of Single-layer, Multi-layer, Alloy Plating Thickness.**



## SPECTRON - XRF SPECTROMETERS AND ANALYZERS, RUSSIA

"SPECTRON" is a developer and manufacture of XRF spectrometers and analyzers. SPECTRON offers **Wavelength dispersive X-ray fluorescent (WDXRF)** analyzer and **EDXRF for Sulphur** determination in automobile fuels as well as in petroleum and petroleum products. SPECTRON also offers **WDXRF Spectrometer** that determines elements from **Na (Sodium) to U (Uranium)** in solids, liquids or powders, in solutions and thin films, deposits on filters.



## COXEM Co. – SCANNING ELECTRON MICROSCOPES, KOREA



**COXEM** is a leading global supplier of **Scanning Electron Microscopes (SEM)**, a critical tool for nanometrology. **EM-30 Benchtop SEM** is a high-resolution Tabletop Scanning Electron Microscope (SEM), and it is also compatible with 30mm Active Size Compact Type **EDS**. **CX-200Plus Full-Size SEM** is a full-size floor model Scanning Electron Microscope (SEM) that both new and experienced users will find suitable for many types of demanding research and quality control requirements. **CX-200Plus** offers high resolution imaging capabilities at a very attractive price.

## iCLUEBIO – SURFACE PLASMON RESONANCE (SPR), KOREA



The **iMSPR** measures the binding of various molecules such as **antigen-antibody, protein, nucleic acid, carbohydrate, fat, cell, and virus.**

The iMSPR series is a real-time monitoring and analysis system for label-free intermolecular binding based on surface plasmon resonance (SPR) phenomenon. Through the iMSPR series, new biosensors, biomarkers, and receptors can be developed, or new drug candidates can be discovered.

## LINEV ADANI

### LINEV ADANI - XRD, UK



General purpose **Benchtop X-Ray Diffractometers (XRD)** can solve a wide range of powder diffraction tasks. Independent control of detector and sample rotation enables to use the instrument for some analysis of single crystals. Features: Automatic diagnostics of the diffractometer, Automatic heating of the x-ray tube, Automatic calibration.



### LARSON SYSTEMS, USA



Larson Systems Inc. manufactures and distributes a variety of **Spring Testing** and gaging equipment. Larson Systems offers both manual and motorized spring testers with various load capacities. The FLASH tester offers a color touch screen as user interface.

### LINEV ADANI – EPR/ ESR SPECTROMETER, UK

ADANI is pleased to announce the capability of the new generation of bench top **X - Band Electron Paramagnetic Resonance (EPR) Spectrometer.** New designed machine **ADANI SPINSCAN X** delivers powerful performance and extremely compact size, low weight and, most importantly, at minimized costs.



### J & B HOT TACK TESTER, BELGIUM



J&B material **Hot Tack Testers** are highly sophisticated instruments that quickly and automatically test materials such as films, tapes and laminates. Also, material testers for sheets, plates and composites for the food and non-food industry are part of the product range. The J&B plastic tester uses the **ASTM F1921-12** test method for testing the heat seal strength.



### SENSADYNE, USA



SensaDyne has developed, patented, and commercialized several **Fluid Surface Tension** measurement instruments, for both laboratory and in-process applications, based on the maximum differential bubble pressure method.

## OKB SPECTR – OES SPECTROMETER, RUSSIA

OKB Spectr produces a wide range of spectral techniques for solving various analytical problems in science, industry, ecology, and other industries. OKB Spectrum develops and manufactures **Optical Emission Spectrometers** MFS-7, DFS-100 and DFS-500 models. **DFS-500** is a compact, reliable modern device for the analysis of both **ferrous** and **non-ferrous** metals for all alloying elements and impurities, including Sulphur, Phosphorus, Carbon.



# Starrett®

## STARRETT, USA

Starrett product line includes metrology equipment, including **Optical Comparators, Video Measurement and Inspection Systems and Multi-sensor Measuring Systems, and Force Measurement and Material Testing Systems.** Starrett Force Measurement and Material Test Systems deliver a reliable, accurate and easy-to-use solution for applications ranging from determining simple peak load measurement, through load/extension at limits, to more complex break determination. Designed for professional use in production and engineering environments, Starrett Force Systems are manufactured to provide high performance.

# FORCEBOARD™

## INDUSTRIAL DYNAMICS FORCEBOARD, SWEDEN

ForceBoard™ is a **patented** all-in-1 desktop force measurement system for **Friction, Scratch, Linear & Rotating Wear, Tensile & Compression, Fatigue and Touch.**



# INTERSPECTRUM®

FTIR Spectroscopy instruments & accessories

## INTERSPECTRUM - FTIR, ESTONIA

The **Interspec 200-X** series of FTIR Spectrometers represent a cost-effective **Fourier Transform Infrared Spectrometers (FTIR)** and employs a number of unique features that ensure high performance from a compact instrument.



## GESERCO – PORTABLE OIL TESTING INSTRUMENTS, FRANCE

GESERCO is the oldest manufacturer of oils control and monitoring kits. Since 1973 GESERCO offers a complete and advanced range of **Rapid Oil Test Kits** for monitoring the condition of lubricating oils and fuels. These tests concern petrol products as well as synthetic or bio products: Diesel engine oils, hydraulic oils, turbine oils, biodiesels, bio lubricants or metal machining fluids. **Parameters:** • **Viscosity** • **Dilution** • **Dispersant and Detergent capability** • **Additive depletion** • **Water presence** • **Acidity (BN, AN)** • **Pollution from Soot, Dusts or Particles.**



**SureTorque**  
by Mesa Labs

## SURE TORQUE – BOTTLE CAP TORQUE TESTER, USA

The pharmaceutical industry is unique in that it often faces torquing challenges with Tamper Evident Bands (TEB) such as those found on eyedrop bottles. **Sure Torque Tester** is a durable and reliable **Computerized Cap Torque Analyzer** which is setting a new standard for torque measurement in pharmaceutical industry. With on-board microprocessors, it makes torque testing simple, accurate and affordable. Release torque testing and application angle testing can be performed which can prevent recalls. Unlike our competitors, these Torque testers can enable you to become compliant with the **FDA's CFR 21 Part 11.**



**SERSTECH**

## SERSTECH – HANDHELD RAMAN INSTRUMENTS, SWEDEN

**Serstech Arx** is a revolutionizing **Raman Instrument**, introducing SharpEye™ – a patented autofocus technology which improves the signal quality dramatically. Serstech Arx identifies unknown substances quickly and precisely. Serstech Arx and SharpEye™ give a precise result since SharpEye™ identifies substances precisely, thanks to automatically obtaining the optimal focus point in milliseconds. It can detect the difference between the container and the actual substance, giving an improved measurement result. The solution is also **Title 21 CFR Part 11** Compliant, with a complete audit trail and data integrity you can trust.



**Buck**

**Scientific**

## BUCK – ATOMIC ABSORPTION SPECTROMETER, USA

The **Buck 230ATS AAS** is a high energy, microprocessor controlled single beam atomic absorption spectrometer. Solid state electronics and simple optics provide the basis for our superior stability and sensitivity. The Ebert mount monochromator and user-selectable bandwidth give the system maximum flexibility.



**SOFRASER – ONLINE & INLINE VISCOMETERS, FRANCE**

Thermoset - KV is an automated and simple analyzer for **On-Line Viscosity** measurement at reference temperature and due to its innovative functionalities it is the most convenient and effective technology. Using the advancements of MIVI viscosity sensor, it brings the fluid to required temperature and measures its kinematic viscosity which is directly correlated to the **ASTM D445** standard. Sofraser's **MIVI Sensor** is a proven sensor from the past 30 years for the In-Process Viscosity measurement.



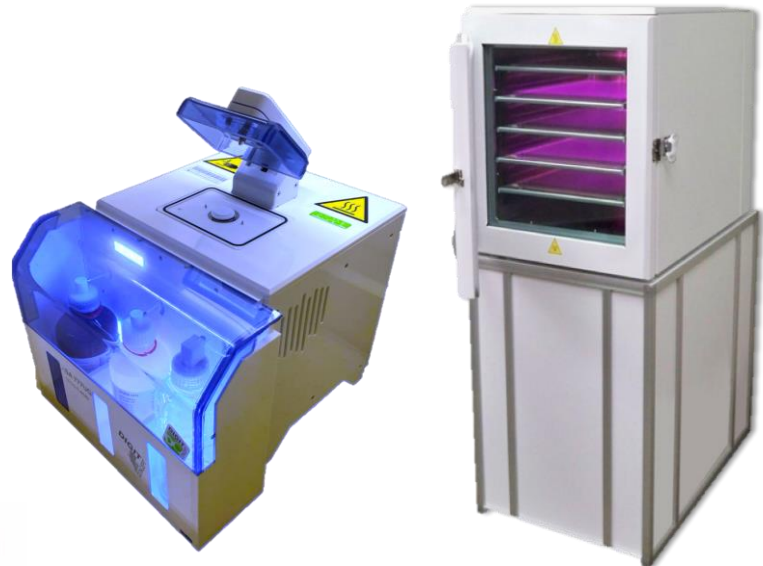
FA Solutions and HighTech Equipment

**D.C. – PLASMA CLEANER & IC DECAPSULATOR, FRANCE**

Digit Concept provides to its customers, laboratories of Failure Analysis of electronics components, the equipment, support and services of the highest quality and the greatest value to meet their expectations. Digit Concept provides tools for **IC Decapsulation – Acid, Plasma & Laser Decapsulators** and **Plasma Cleaning Instruments**.


**CSI – PLASTIC, POLYMER & TEXTILE TESTING, USA**

Custom Scientific Instruments Inc. specializes in Physical Test Instruments for materials such as polymers, textiles, paper, fiber optic cable, etc. Some of the instruments they offer: **1. Dart Impact Tester, 2. ESCR Apparatus, 3. Tear Tester, 4. Abrasion Tester, 5. Flammability Instruments, 6. HDT-VICAT, 7. Notch Cutter, 8. LOI Apparatus, 9. Air Permeability Tester, 10. Thickness Tester, 11. Flex Tester, 12. Stress Crack Resistance Tester, etc....**


**SALT – MOONEY VISCOMETER & MDR RHEOMETER, KOREA**

Incorporating the latest measurement technology for traditional **Mooney Viscosity, Mooney Scorch and Stress Relaxation** measurements for the rubber industry. Salt Co.'s ST-105M provides stable, repeatable testing results for compound quality.

**Rheometers** are used in the field of rheology and for testing the physical properties of **Polymers, Rubber,** and similar materials at all stages of the manufacturing and R&D process. The Salt co. ST-106R delivers test results with the highest precision and accuracy.



## ETSP – ENVIRONMENTAL & SALT SPRAY CHAMBERS, KOREA

ETSP-TH series chambers are **Climatic (Temperature and Humidity Control)** version chamber for durability or operating status of parts and products in extreme conditions. ETSP-SS **Salt Spray** series simulates the effects on your product from salt and sea mist. **Cyclic Corrosion** testing chambers ETSP-CCT series provide possible laboratory simulation of natural corrosion and cycle through all of the most significant corrosion environments.



## DDS CALORIMETERS

Scientific Analytical Calorimeter Solutions

### DDS CALORIMETERS, SOUTH AFRICA

DDS Calorimeters is the home of the CAL2K and CAL3K range of **Oxygen Bomb Calorimeter** Systems used to determine the calorific value of substances. Our calorimeter range is used to determine the calorific value of liquid and solid samples and is manufactured with various applications mind, including but not limited to: animal feed research, waste product analysis, explosives analysis, fuel and oil analysis, coal and coke analysis, food & nutrition and university.



### KARG INDUSTRIEOTECHNIK - POLYMER TESTING INSTRUMENTS, GERMANY

Karg Industries manufactures and sells instruments to measure the rheological, physical, electrical and thermal properties of materials including instruments for specimen preparation for the **Plastic / Polymer Industry**. Karg Industries are leaders in manufacturing of **Melt Flow Index Testers** complying to **ASTM D1238 Method A, B & C**.



### MICRODIGITAL – LUMINOMETERES & UV-VIS, KOREA

MicroDigital Co., Ltd. has brought forth innovative solution for biomedical industry through technological advancement and constant development since its establishment in 2002. **Nabi-UV/Vis Nano Spectrophotometer** is a miniature spectrophotometer that can measure cuvette and microvolume samples. Using spectrometer technology, it can accurately and conveniently measure and analyze single wavelength as well as spectrums. **Lumi – Single Tube Luminometer** is a compact luminescence detector that uses PMT to accurately quantify light emitted by chemiluminescence.



MURAKAMI COLOR RESEARCH LABORATORY  
TOKYO JAPAN

### MURAKAMI - COLOUR & GLOSS METERS, JAPAN

**Portable Gloss Meter:** The GMX-102/203 conforms to international standard such as ISO 2813 and JIS Z 8741. The GMX-102H1 is a portable gloss meter that shows gloss values up to two decimal points in compliance with **ISO2813, ASTM D523 and JIS Z8741**.

The CMS-35SPS is a high-quality **Spectrophotometer** with integrating sphere, which were delivered to the industries such as automobile, printing, pulp & paper, cosmetics, steel, and electronic appliance.



OUR CLIENTS

