

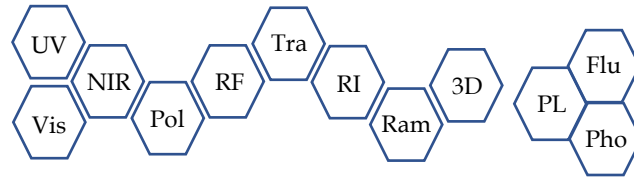


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World class innovation & a true friend that you trust



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Good for:

- Forensic, covered all type of sample
- Materials Science
- Flat Panel Display, Characterization of display pixels
- Film coating
- Kerogen (Petroleum)
- Gem and Jewelry
- Geology
- Glass (Refractive Index)
- Defect and Contaminant Identification in Semiconductor
- Tunable Microscale Filters
- Time studies of Biological reaction
- Nuclear chemicals studies
- Vitrinite Reflectance Methodology



20/30 PV™ Superior Microspectrophotometer

Latest and Advances Technologies-All can be in One



FLEX™ Cost Effective Microspectrophotometer



508 PV™ to any microscope or probe station for spectroscopy, colorimetry, micro spot film thickness, Vitrinite Reflectance and GeoImage package etc.



Power and Speed: Apollo II™ Raman Microspectrometer



UV microscope imaging microscopic samples in the ultraviolet, visible and near infrared.



Measure vitrinite reflectance of coal, kerogen and petroleum source rock quickly and easily with CoalPro III™



rIQ™: the smart choice for measuring the refractive index of glass.

GeoImage™ - the full service on petrographic with Vitrinite Reflectance, Marcellal Counting and Visible Fluorescence Microscopy (option)



CRAIC standard traceable to NIST





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Our glovebox system is designed to provide a hermitically sealed and highly customized working space under a very tightly controlled atmospheric environment. In other word, less than 1 ppm in H₂O and O₂ concentration levels, temperature control, consistent gas flow system using an efficient laminar flow system, Cooling systems and many more.

Additional Option (Version 2)
1) Air conditioner (Cooling system)
2) Automatic Cleaning & Sterilization in Booth



Bidirectional Through Booth – for medical staff without PPE, + or – pressurized, HEPA filter, flow 0.4 m/s



1.5 Person (3 Glove ports)



2 Person (4 Glove ports)



High Safety and Performance Glovebox

- <0.5 ppm O₂ and moisture
- EU CE marking
- Anti-explosion & acid

KOREA KIYON | GloveBox System



1 Person (2 Glove ports)

- < 1 ppm O₂ and moisture concentration
- Vacuum capacity 1x10⁻³ torr, 200 L/min
- Oxygen catalyst & molecular sieve with auto regeneration by PLC



2 Person (4 Glove ports)



4 Person (8 Glove ports)

Other model and customized such as:

- Laminar Flow system (HEPA)
- Depleted Uranium Hybride Material test
- Chemical material test (T-Chamber type)
- OLED with evaporator system

Application for :

- Film Test
- Ink Jet
- Solar Cell
- OLED
- Lithium Battery
- Nuclear & Hydrogen Fuel Handling
- Purification for OLED, Ink Jet
- Enclosure with different volume



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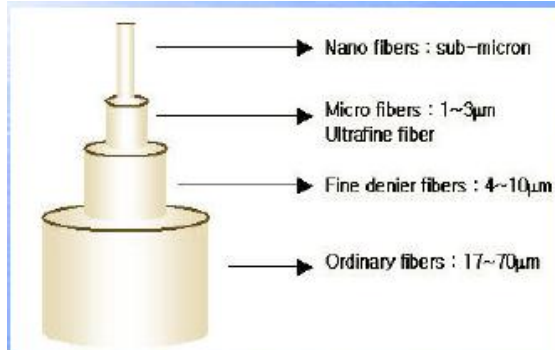
Fanavaran Nano-Meghyas Co., Ltd.



Advantages and applications of new method in large scale of "Electrospinning"

Applications:

- Respirators membrane (for mask N95, N99)
- Wound dressing
- Drug delivery
- Warfare protection
- Lithium batteries membrane
- Harddisk drive
- Optoelectronic devices
- Air filtration
- Photocatalyst
- Noise absorption
- Gas sensors
- Thermal, sound insulation
- Solar panels
- Food packaging
- Technical textile
- Automotive filters and batteries



Fibres diameter comparison



SEM of nanofibres and human hair



Laboratory scale consisting of:

1. Syringe Pump
2. High Voltage Supply
3. Electrospinning Collector



Cartridge and needle-based Electrospinning machine



Pilot-scale Electrospinning Unit



Industrial Nanofiber Production Line (One stop service): yield of 4-20 g/hr. upto 100 g/hr., nanofiber sizes of 60-500 nm.



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MagnoMeter XRS™ Relaxometer



A powerful advancement in particle characterization and surface analysis of dispersions

What is the MagnoMeter?

The MagnoMeter is a new, next-generation, low-field nuclear magnetic resonance (NMR) spectrometer specifically designed to characterize particle suspensions using measurements of relaxation time. The NMR relaxation time is a fundamental, intrinsic, property of all states of matter, and the MagnoMeter measures T1 and T2 relaxation times for both solid-liquid or liquid-liquid phase mixtures, and from as little as 0.01% to over 90% disperse phase concentration (sample dependent). From the relaxation times and their ratio, the effective wetted particle surface area – an important parameter for many applications – can be determined (by calibration) as well as optimizing dispersant and polymer adsorption concentration.

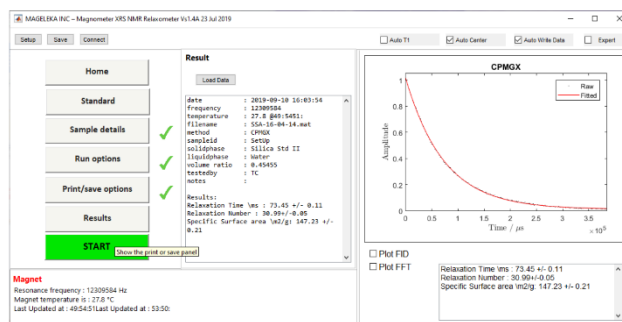
Typical Applications

1. Batteries; monitor the wetted surface area of slurries at any concentration and exquisitely sensitive to dispersion quality.
2. Graphenes; Graphene Oxide (GO) studies, not require sample prep.
3. Pharmaceuticals; primarily determines the adsorption efficiency of an active pharmaceutical ingredient (API).



MagnoPod™

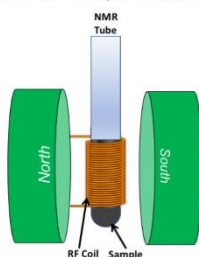
As same as size of A4



Key features:

- No moving parts, no optical alignment issues, no calibration required
- Simple plug-in set-up
- The temperature-controlled MagnoPod™ is separate from the control module, which eliminates electronic and thermal interference
- 1 second – 2 minutes, real-time, fast measurement speed (sample dependent)
- MagnoPod™ is ideal for hazardous sample isolation; multiple MagnoPods™ can be operated from one control module
- Unlimited non-invasive measurements with superior signal-to-noise ratio
- Exchangeable standard NMR glass sample tube to accommodate a very wide range of sample types
- Small footprint uses minimal bench space; limitless configurations of MagnoPod™ and control module
- Provides a complimentary technique to traditional particle sizing, zeta potential, BET gas adsorption and mercury porosimetry analysis

Magnet and RF Coil Assembly
The green discs are permanent magnets



The NMR technique used in the MagnoMeter makes no assumptions about particle size or shape, and therefore can:

- Easily differentiate two products that differ in surface area or shape but are the same in size
- Identify variations in the surface chemical composition of the same material



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DIN 12880

memmert

Experts in Thermostatics



Heating / drying ovens

- > Cooled vacuum oven
VOcool
- > Universal Oven
UN / UF / UNplus / UFplus
- > Cleanroom drying oven
UF1060
- > Pass-through oven
UF TS
- > Paraffin oven
UNpa
- > Vacuum Ovens
VO
- > Universal oven dishwasher
UFP800DW

Incubators

- > Peltier-cooled incubator
IPPece / IPPecoplus **NEW!**
- > IVF module for ICOMed
IVF module
- > Incubator
IN / IF / INplus / IFplus
- > Cooled storage incubator
IPS
- > Compressor-cooled incubator
ICPece

Climate chambers

- > Constant climate chamber
HPPece **NEW!**
- > Humidity Chamber
HCP
- > Climate Chamber
ICHeco / ICHeco L / ICH C
- > Cleanroom constant climate chamber
HPP1060
- > Environmental test chambers
CTC / TTC

Water and oilbaths

- > Waterbath
WTB **NEW!**
- > Oilbath
ONE



NEW!



Intuitive to operate,
customisable remote screen
CustomView.



Can be flexibly
expanded with customised
accessories.



Practical and robust:
quick water drainage,
easy to clean.



Can be calibrated for
precise temperature settings.



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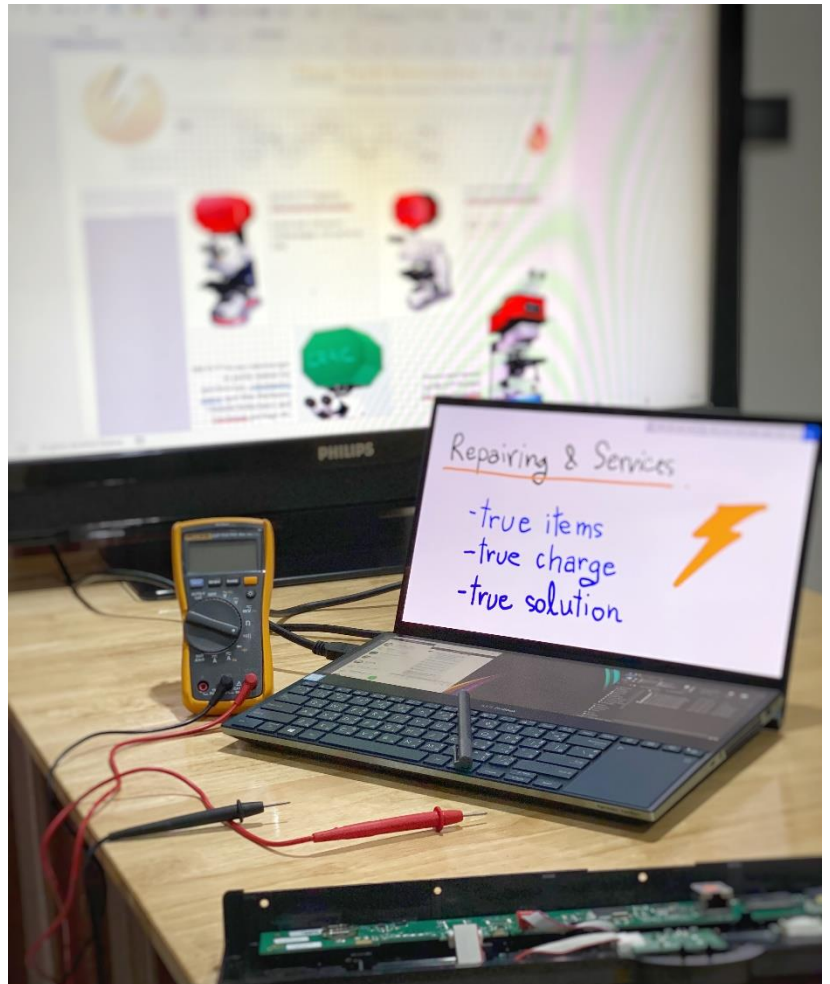
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Services and Supports



*The **true friend** know what you want..*



Line Business
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