

# Testing Service

## Application Center



**Brand :** Nanosurf

**Model :** CoreAFM

Country of Origin : Switzerland

Features : Contact, Non-Contact, Dynamic, Phase Contrast, Spectroscopy Mode, MFM, etc. with side/top view camera for easy operation

Scope of Measurement : Surface Topography (roughness), Material Contrast, Nano-Mechanical Properties and Magnetic Properties of samples.



**Brand :** Netzsch

**Model :** DSC 214 Polyma

Country of Origin : Germany

Features :

- Glass transition temperature
- Melting temperature and Enthalpy
- % Crystallinity
- OIT
- Degree of Curing (Cross-link), Curing behavior
- Polymorphism

Scope of Measurement : Temperature range: -70 ... 600°C



**Brand :** Netzsch

**Model :** STA 449 F5

Country of Origin : Germany

Features :

1. DSC possibility

Glass transition temperature

Melting temperature and Enthalpy

Solid-solid transition

Oxidative stability

2. TGA possibility

- Proximate analysis
- Mass change
- Compositional analysis
- Temperature stability
- Decomposition

Scope of Measurement : Temperature range: 25 ... 1,600°C



**Brand :** Innovatest

**Model :** Falcon503, Nexus610RS, Verzus710RS, Nexus3200

Country of Origin : The Netherlands

Features : Fully automatic tests, CHD, Depth measurement, etc.

Scope of Measurement : Micro-Macro Vickers, Rockwell, Superficial Rockwell, Brinell



# Testing Service

## Application Center



**Brand :** HAAKE

**Model :** Rheometer HAAKE MARS 60

Country of Origin : Germany

Features :

- Viscosity & Shear rate, Viscosity & Time, Viscosity & Temperature
- Thixotropy
- Yield Stress
- Amplitude, Frequency, Time and Temperature sweep

Scope of Measurement : Temperature range: -10 ... 400°C



**Brand :** DataPhysics

**Model :** Contact Angle OCA 25

Country of Origin : Germany

Features :

- Contact angle
- Dynamic Contact Angle (Advancing and Receding)
- Surface tension by Pendant drop and Lamella method
- Surface Free Energy
- Interfacial Tension
- Interfacial Rheology
- Study of Adsorption speed
- Study of Spreading speed

Scope of Measurement : Droplet size: 10 nano-L up to 30 micro-L at Room temperature



**Brand :** GÖTTFERT

**Model :** Melt Flow Indexer mi40 visco

Country of Origin: Germany

Features : Automatic multi-weight selection with force-controlled for pre-compressing and ejecting of sample. High accuracy of temperature and encoder. Semi-automatic cleaning unit. Viscosity measurement

Scope of Measurement : MFR according to ISO 1133 Method A & B, and ASTM D1238 Procedure A, B and D (Flow Rate Ratio (FRR) test. Viscosity measurement according to ISO 11443



**Brand :** DataPhysics

**Model :** Stability Analysis System MS20

Country of Origin : Germany

Features :

- Dispersion stability analysis
- Aging analysis
- Stability under temperature control
- Initial particle / droplet size distribution
- Separability number (ASTM D7061)

Scope of Measurement : Temperature range: 4 ... 80°C

