

SERVICES

RATE (PHP)
REGULAR STUDENT

FIB-SEM

FESEM Imaging	7500	6000
FESEM Imaging with EDX Point Analysis	9500	7600
FESEM Imaging with EDX Line Analysis	11500	9200
FESEM Imaging with EDX Mapping	13500	10800
FIB Sectioning (30µm W x 30µm H um cut) w/ FESEM Imaging	14000	11200
TEM Lamella Preparation	19000	15200
STEM Imaging	12000	9600
FIB Pattern Deposition with FESEM Imaging	14500	11600

AES

AES Point Analysis	9700	7760
AES Line Analysis	11900	9520
AES Mapping	16000	12800
AES Depth Profiling	23500	18800
AES Chemical State Analysis (add-on)	1500	1200

TOFSIMS

TOFSIMS Spectroscopy	13300	10640
TOFSIMS Mapping	16400	13120
TOFSIMS Depth Profiling	24000	19200
TOFSIMS 3D Mapping	26600	21280

FTIR

FTIR Spectroscopy	5000	4000
FTIR Spectroscopy (no ID)	3500	2800
FTIR Microspectroscopy	6500	5200
FTIR Microspectroscopy (no ID)	5000	4000

Thermal Analysis

Differential Scanning Calorimetry	3000	2400
Simultaneous Thermal Analysis	3000	2400
Thermomechanical Analysis	3200	2560
TG-IR	8300	6640

Sample Preparation

Optical Microscopy	2000	1600
Mechanical Preparation	3800	3040
Ion Milling	4500	3600
Chemical Decapsulation	3000	2400
Particle Size Analysis (add-on)	1500	1200
Sputter Coating	2000	1600
Biological Fixing	2500	2000

**CONTACT US NOW
FOR FREE
TECHNICAL CONSULTATION**

YOUR PARTNER LABORATORY

"Limitless possibilities
providing excellent
quality service"

OUR TEAM



Our technical team is composed of materials scientist, chemists, chemical engineers, and physicists - with advanced graduate degrees from prestigious universities local and abroad.

ADMATEL IS A PROJECT OF



Department of Science and Technology (DOST)



Philippine Council for Industry, Energy, and Emerging Technology Research and Development (PCIEERD)



Industrial Technology Development Institute (ITDI)

FOR REQUESTS OR INQUIRIES



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ADMATEL MARKETING



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ADVANCED DEVICE AND MATERIALS TESTING LABORATORY



THE ADVANCED DEVICE AND MATERIALS TESTING LABORATORY

ADMATEL is a DOST national testing facility established to provide advanced failure analysis and materials characterization services for the semiconductor & electronics manufacturing industries.

OUR MISSION

ADMATEL was established to enhance the competitiveness of the industry and scientific community by reinforcing and upgrading the failure analysis and materials testing facilities, providing shorter turn-around time for analysis at competitive cost of services, and entice potential investors seeking for a more conducive business environment.

LABORATORY



100k Class Cleanroom



FACILITIES



Customer Service Lobby



Lecture Room Seminar Room



Guest Room Dormitories

OUR SERVICES

SURFACE ANALYSIS

We perform analytical tests focusing on the outermost layer of solid materials to determine elemental, molecular, and chemical state of the surface.

- Auger Electron Spectroscopy
- Time-of-Flight Secondary Ion Mass Spectrometry

IMAGING & MICRO STRUCTURE ANALYSIS

Using cutting-edge technology to help obtain better sample image even at higher magnifications allowing precise visual and measurement of dimensions in small features.

- Field Emission Scanning Electron Microscopy
- Optical Microscopy

COMPOSITIONAL ANALYSIS

We provide accurate identification of sample makeup or chemical composition, be it in bulk or small in quantity.

- Energy Dispersive X-ray Spectroscopy
- Fourier Transform Infrared Spectroscopy & Microspectroscopy

THERMAL ANALYSIS

We help determine the thermal property and behavior of materials as it is being heated.

- Differential Scanning Calorimetry
- Simultaneous Thermal Analysis
- Thermomechanical Analysis

SAMPLE PREPARATION

We assist by utilizing industry methods for chemical preparation, precision slicing/cutting, and others.

- Focused Ion Beam Cross-Section
- Mechanical Cross-Section
- Ion Beam Cross-Section Polish
- Chemical Decapsulation



OUR LABORATORY



SURFACE ANALYSIS LABORATORY

The Surface Analysis Laboratory specializes in understanding the surface of various materials, that is the outermost micron, even nanometer area. It aims to enable and strengthen the Filipino scientific community by providing ultra-high resolution microscopy and compositional analysis.



THERMAL ANALYSIS LABORATORY

The Thermal Analysis Laboratory offers tests that determine the thermal properties of material as it is being heated, cooled, or exposed to a constant temperature. It also have an equipment which can identify organic and polymeric materials like plastics, rubbers, paints, inks, and adhesives.



CHEMICAL AND METALLURGICAL LABORATORY

The laboratory performs sample preparation, cross-sectioning, microscopic inspection, metallography & chemical decapsulation. The laboratory has sample preparation tools, optical microscopes, and gold sputter coater.

WHY CHOOSE US



ISO 17026 ACCREDITED TESTING LABORATORY



24-HOUR TURNAROUND-TIME ON RESULT



AFFORDABLE PRICE



CONDUCTIVE ENVIRONMENT FOR TECHNICAL CONSULTATION



HIGHLY COMPETENT TECHNICAL PEOPLE



OWNED BY THE PHILIPPINE GOVERNMENT