

# Contract Measurement Services

In addition to manufacturing and selling TDS instrument, we offer contract measurement services. As a dedicated TDS manufacturer, we leverage our deep technical expertise to help you solve complex material challenges. Our analyses are conducted on state-of-the-art instrument, meticulously maintained and operated by our team of experienced professionals, ensuring you receive the highest quality data for your research and development.

## Equipment line for the measurement services

1. ESCO-TDS-1200II IR
2. ESCO-TDS-1200II IR BGM
3. ESCO-TDS1700 IH
4. ESCO-TDS-(minus)100 Cryo H2 (Launching Soon)



TDS Analytical Services  
Inquiry Form

## Measurement Examples

### Semiconductors & Electronics:

- Outgassing analysis of Oxide, Nitride, and Metal thin films
- Quantification of hydrogen and water in oxide semiconductors (e.g., IGZO)
- Moisture content analysis in thin films for OLED and LCDs
- Analysis of residual components on wafer surfaces

### Metals & Advanced Materials:

- Analysis of diffusible hydrogen in steel
- Hydrogen embrittlement analysis in plating films

### Joining & Sealing Materials:

- Analysis of absorbed and trapped gases in solder and sealants

### Carbon Materials:

- Functional group characterization
- Outgassing analysis of carbon-based furnace components

### Polymers & Organics:

- Thermal desorption analysis of organic materials (e.g., Polyimide)
- Thermal decomposition analysis of polymers (e.g., PMMA, Phenolic resins)

### Ceramics & Glass:

- Analysis of dissolved gases in glass and ceramic materials
- High-temperature outgassing analysis of ceramic components

## Our Service Process

### STEP1: Consultation & Quotation

Contact us via our inquiry form or email with your measurement objectives and sample details (e. g., material, dimensions). We will review your requirements and provide a formal quotation.

[sales@escoltd.co.jp](mailto:sales@escoltd.co.jp)

### STEP 2: Order & Scheduling

To proceed, please submit a purchase order (PO).

Once your order is confirmed, we will work with you to schedule the measurement date.

(Estimated lead time: approx. 1 month)

### STEP 3: Sample Shipment

Please ship your samples to our facility to arrive at least one business day prior to the scheduled measurement.

### STEP 4: Measurement & Reporting

We will perform the measurement and deliver a comprehensive report, typically within one week of the measurement date.

### A Note on Sample Return:

The client is responsible for all costs associated with return shipping, including shipping fees, customs duties, and taxes.