

# TGA - 3600

## Thermogravimetric Analyzer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

Dimensions: 550mm\*590mm\*530mm

Weight: 70kg

## ►► Application

TGA 3600 can be used to determine the moisture, ash, volatile matter, LOI (loss on ignition) as well as calculation of fixed carbon and calorific value in coal, coke, solid wastes and other solid biomass fuel. It can also be used for the calculation of carbon content in fly ash and clinker.

## ►► Specification

Test index	Moisture, ash, volatile matter and LOI
Standards	ISO 11722, ISO1171, ISO562, ASTM-03173 / 03174 / 03175 / 07582
Accuracy	0.02% RSD
Capacity	5.0g
Type	Top Loading balance
Pans/turn table	Comparable material
Furnace	One furnace for moisture, volatile matter and ash
Furnace temperature	Room temperature-1000 °C
Temperature control	±2-°C
Accuracy	0.1 °C
Temperature resolution	2 units / 1 computer available
Control Units	
Ramp rate: Rate of Increase	up to 50 °C/minute or As per ASTM 7582
Balance Resolution	0.0001g
Max. Samples	19 samples + 1 blank sample position
Quantity of sample I test	Full indexes for 19 samples < 120 min (Quick method)
time	
Sample weight	0.5-1.1g
Max. Power	4kW
Cooling Time	From 1000 °C to 30°C within 90 minutes
Mechanism of Placing	Instrument shall use pneumatic carousel mechanism for accurate
Crucible	crucible placement. Carousel movements bi- directional (Clockwise and anti clockwise) with skipping of position
Heating rates:	10°C, 20°C and 30°C per minute

## ►► Highlights

- 19 samples can be loaded once + 1 blank sample position for analyzing the moisture, ash and volatile matter.
- Unique sample weighing mode, single sample or batch sample weighing are both available, makes the operation convenient.
- Automatic temperature calibration function is available.
- Flexible software design, test procedure, analysis time, temperature etc. can be customized.
- LED displays on furnaces to show real-time balance weight data, it makes the sample weighing more convenient.
- Single and dual furnace configurations available.

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



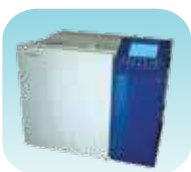
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Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



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Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



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Total Organic  
Carbon 3800



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Chemistry Analyzer



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Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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