



The WORLD'S FINEST line of
THERMOGRAVIMETRIC ANALYZERS

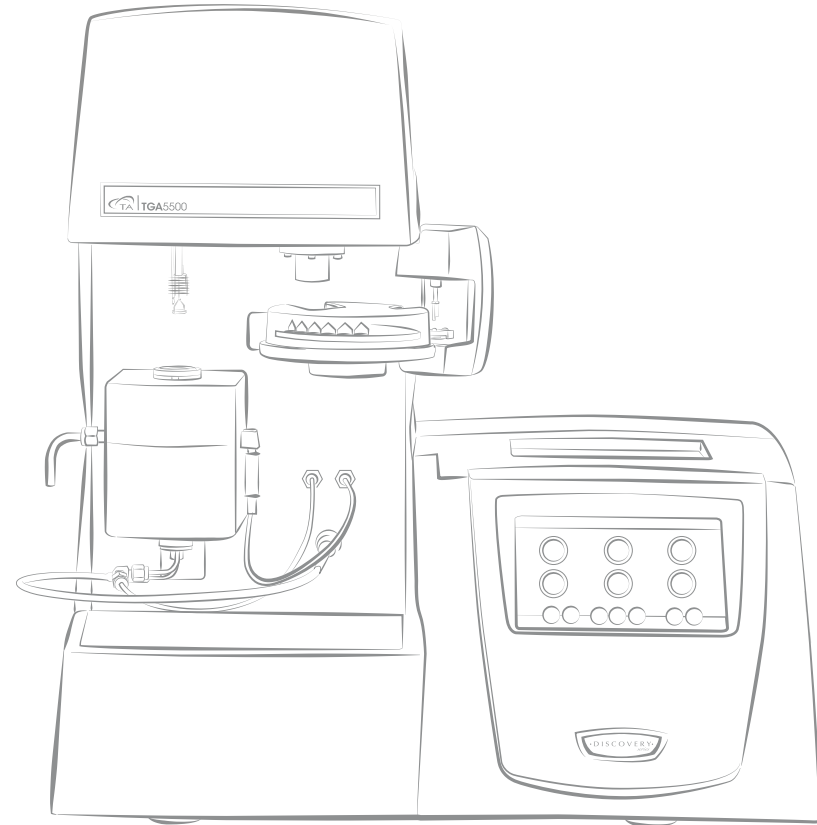
**HIGH
PERFORMANCE
TGA SYSTEMS**

that **deliver** the

Most Accuracy

Highest Sensitivity

Greatest Reliability



Instrument Specifications	TGA 55	TGA 550	TGA 5500
Temperature Range	Ambient to 1000°C	Ambient to 1000°C	Ambient to 1200°C
Temperature Accuracy	±1°C	±1°C	±1°C
Temperature Precision	±0.1°C	±0.1°C	±0.1°C
Heating Rate (Linear)	0.1 to 100 °C/min	0.1 to 100°C/min	0.1 to 500°C/min
Heating Rate (Ballistic)	>600°C/min	>600°C/min	>1600°C/min
Furnace Cooling (Forced air/N2)	1000°C to 50°C in <12 min	1000°C to 50°C in <12 min	1200°C to 35°C in <10 min
Sample Weight Capacity	1000 mg	1000 mg	1000 mg
Dynamic Weighing Range	1000 mg	1000 mg	1000 mg
Weighing Precision	±0.01 %	±0.01 %	±0.01 %
Resolution	0.1 µg	0.1 µg	<0.1 µg
Weight Baseline Drift ⁽¹⁾ (Ambient to 1000 °C)	<25 µg	<25 µg	<10 µg
Vacuum	50 µTorr (EGA furnace)	50 µTorr (EGA furnace)	50 µTorr

⁽¹⁾ Without baseline subtraction

All TA Instruments furnaces are covered by the industry's only **5 YEAR WARRANTY**

Pan Specifications

Material	Size	Temperature Range	Notes
Platinum	50 µL 100 µL	Ambient to 1000°C	Robust, high performance, reusable pans
Ceramic	100 µL 250 µL	Ambient to 1200°C	Reusable pans for higher temperatures
Aluminum	80 µL	Ambient to 600°C	One-time use, can be sealed to prevent volatilization before experiment



tainstruments.com