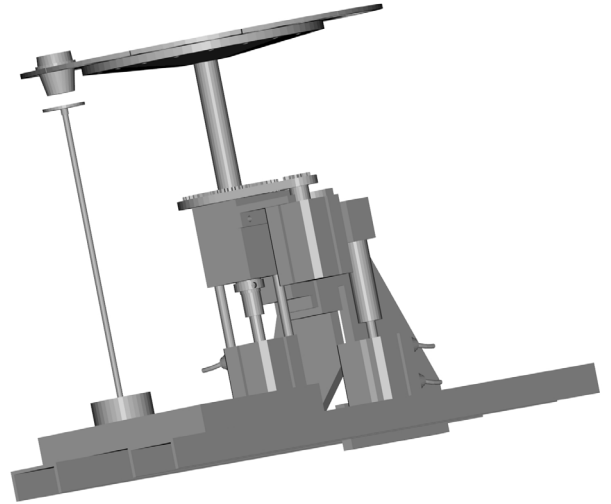


## Navas Instruments TGA - 1000 Series

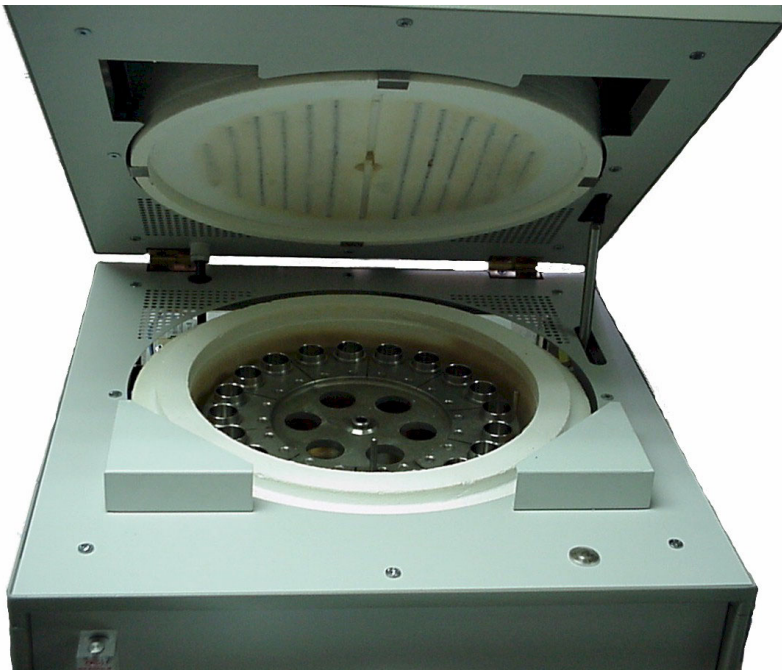
Thermogravimetric Analyzers (19 Samples) for:  
Coal, coke, graphite, cement, bauxite, iron ore, food, feed,  
flour, rubbers, fertilizers, plastics etc ...

Determination of: Moisture, volatiles, ash, fix carbon, LOI



Single carousel configuration with manual installation & removal of crucible-covers for volatiles if used for coal (expandible to dual carousel, automatic crucible - covers)

SINGLE FURNACE OR DUAL FURNACE CONTROLLED BY ONE SINGLE PC



Metal parts instead of ceramics

The carousel is made of refractory stainless steel alloy.  
The carousel do not bend nor warp under temperature stress, metal is unbreakable unlike ceramics.  
Ceramics charges with static electricity and may produce unstable balance readings.  
No deformation, unbreakable, durable  
All heated parts metallic: carousels, crucibles, pedestal, covers.  
Ceramic crucibles can be used for analysing corrosive materials

## Standard components

Navas Instruments buys complete brand name balances and temperature controllers from recognized manufacturers. The balance has display FOR EASY service.

The temperature controller has 2 displays: 1 for the set point and other for the present temperature.

The balance as well as the temperature controller are programmable using the buttons in the devices.

These devices are manufactured by the experts in the business.

All the electric and pneumatic parts in the TGA can be acquired in the market: Magnetic switches, relays, pneumatic valves, pistons, fans etc...

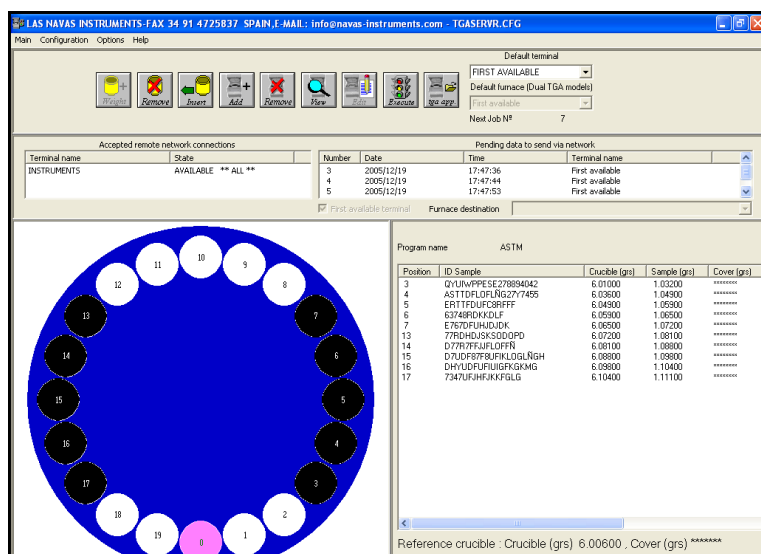
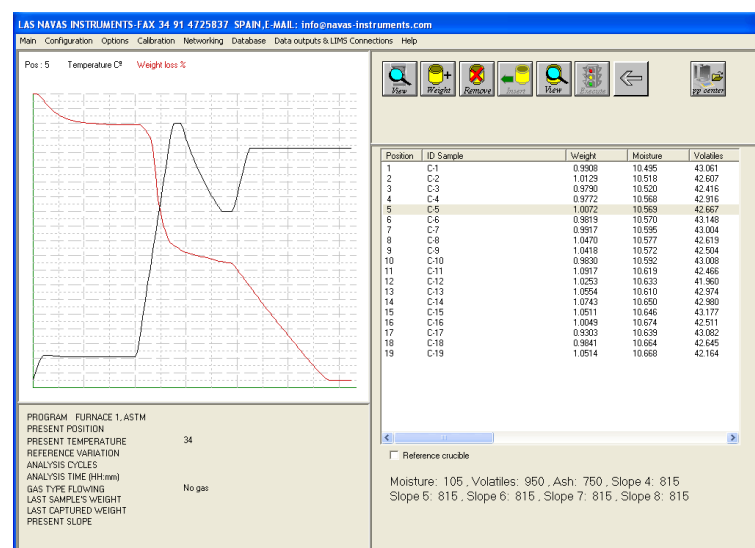
With no dependency on Navas Instruments.

Other TGA manufacturers use special electronics that can only be repaired and purchased from the manufacturer at higher cost.

All sensors are magnetic not affected by dust.

Very few proprietary electronics (Only 2 boards), that fit inside 2 slots of the PC.

Access FOR SERVICE from back, sides, front and underneath.



## TGA Windows Application

The **Windows software** allows easy instrument operation.

Integration with **Microsoft Office**, results are stored in Microsoft Access Data base automatically, data can be exported automatically and manually in TXT, CSV and XLS formats to Microsoft Excel or several Laboratory Information Management Systems (**LIMS**).

Configurable parameters for all slopes up to 8 sets of settings: Final temperatures, plateau deviations, Hold times, gases, ramp rates etc...

**EASY TO USE DIAGNOSTICS SCREEN.**

## Navas Instruments TGA-1000 Series

### Multiple Sample (19) Thermogravimetric Analyzer

Complies with standard methodologies related to this type TGA analysis

#### Brief technical specifications ...

Temp. range: 50 ~ 1000 ° C  $\pm 1$  ° C

Sample size: 0.1 ~ 10 grams.

Standard deviation of  $\pm 0.0002$  g

Weight Loss/Gain range: 0 ~ 100 %

etc ...



C/ Santiago Estevez 29

28019 Madrid (Spain)

Telephone: 34 91 42 80 151

Fax: 34 91 47 25 837

E-Mail: [info@navas-instruments.com](mailto:info@navas-instruments.com)

Web: [www.navas-instruments.com](http://www.navas-instruments.com)