LAT **Lambda Advanced Technology Ltd**

# Combustion Analysers

- TN Total Nitrogen
- TS Total Sulphur
- TX Total Chlorine

TECHNICAL SUPPORT HEIJSTRATEN ROEST

# LAT Lambda Advanced Technology Ltd

## High performance combustion analysis

Elemental analysis is an important part of the Lambda Advanced Technology analytical instrument portfolio. The TSHR 6000 Series and 7000 Series of combustion elemental analysers allow the quantitative determination of trace levels of total nitrogen, sulphur and chlorine using oxidative combustion in combination with high sensitive detectors. Modular construction and a host of accessories such as autosamplers means that instruments can easily be configured for single or multi-element analysis.

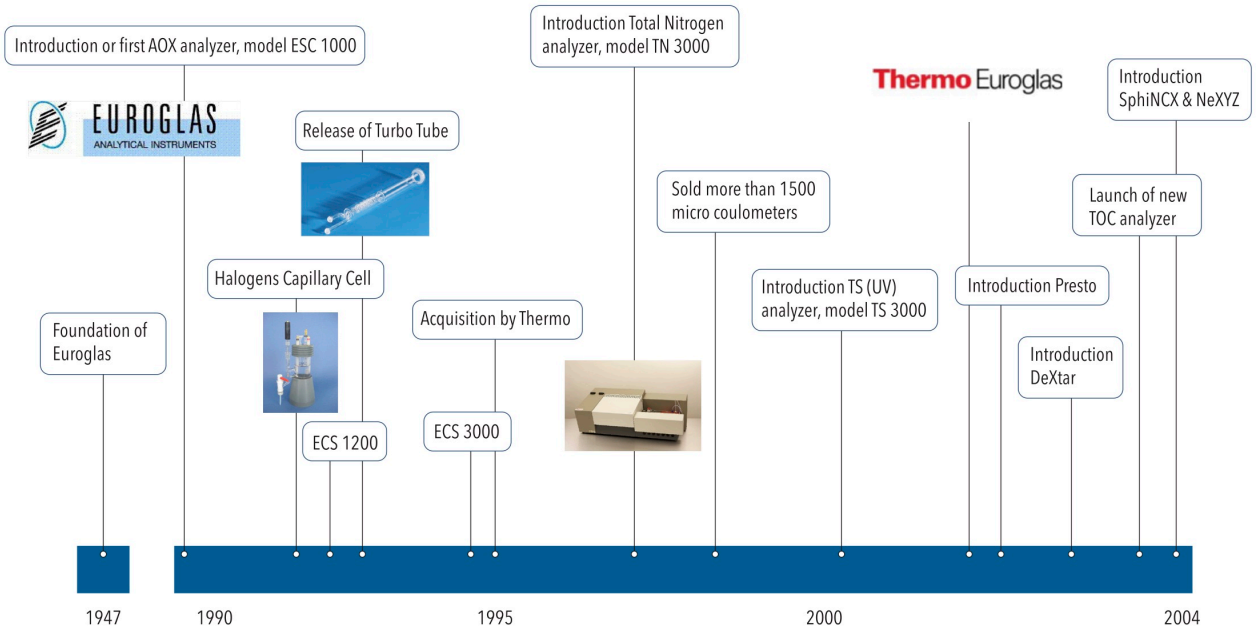
## Meeting petrochemical and environmental standards

Used extensively in industrial, petrochemical and environmental applications, TSHR combustion analysers meet the requirements of many internationally recognised test methods. Fully ISO9001 compliant, Lambda Advanced Technology can provide technical, service and calibration support to maintain the analysers in peak condition.

THE BRITISH ASSESSMENT BUREAU ISO9001 UKAS MANAGEMENT SYSTEMS 8289

## A fine pedigree in elemental analysis

TSHR analysers have a history that stretches back to Euroglas B.V. in Delft, The Netherlands. Euroglas developed its first laboratory analysers for sum parameters such as AOX/EOX, TX, TS and TN back in 1990. Following acquisition by the Thermo Electron Corporation in 1994, the newly formed Thermo Euroglas developed many highly respected combustion analysers. In 2013, TSHR became the sole provider of support and spares for the Thermo products and began development of a new range of products based on the proven Euroglas™ technology. This led to the launch of two new combustion analyser platforms, the TSHR 6000 and 7000 series.



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## Versatile elemental analysers

The TSHR range of combustion elemental analysers provides excellent measurement sensitivity, while offering laboratories high productivity and low cost of operation. The modular approach of these versatile analyzers provides over 30 configurations and allows customers a choice from single manual to fully automated simultaneously analysis of N and S in a wide range of solid, viscous, liquid, gas and LPG samples. TSHR Athena Software provides full instrumental control with simple to use methods and sample workflows. The software will even adjust analyser operation settings in stand-by and start-up modes to increase productivity.

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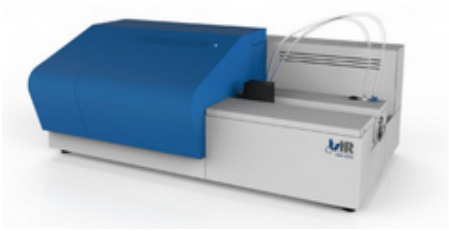
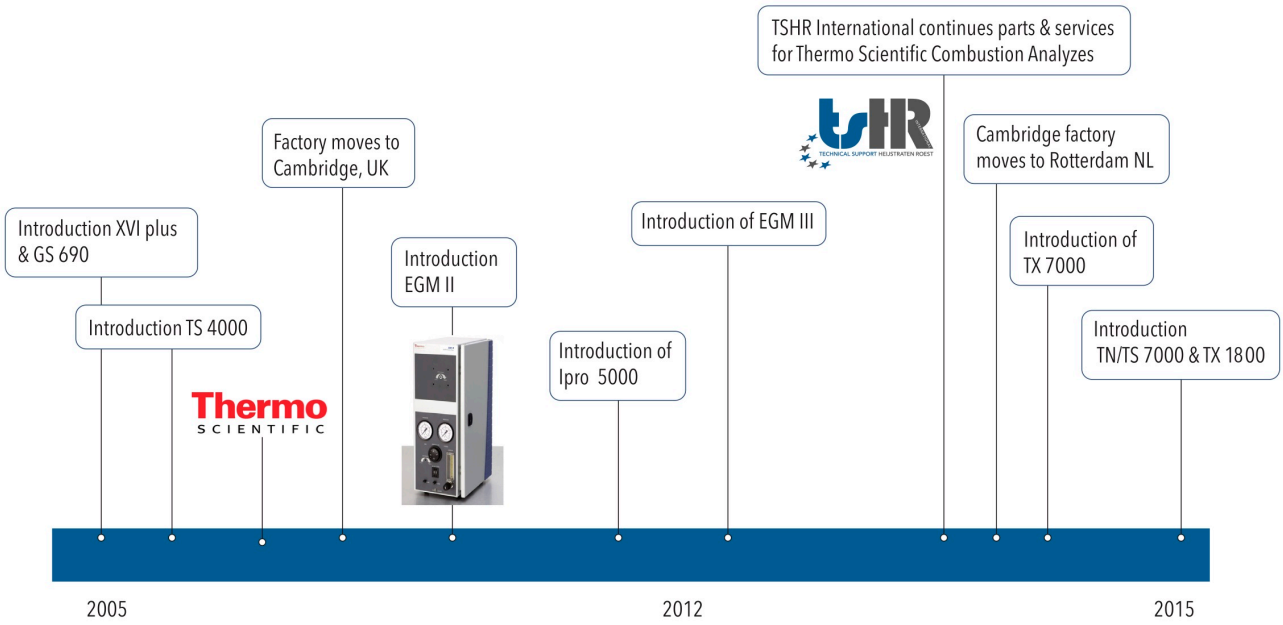
## TSHR 6000 Series



Horizontal sample introduction and high temperature oxidation allow the TSHR 6000 series to provide flexible, reliable and easy to use Total Sulphur/Nitrogen/Chlorine measurements for an extended range of refinery and chemical application challenges. The 6000 Series can also be configured as an AOX/EOX analyser to support the needs for environmental laboratories.

## TSHR 7000 Series

TSHR 7000 TN/TS/TX Analysers are designed for use in petrochemical, commercial testing laboratories, refineries and R&D centres. Liquid, Gas and LPG samples can be analysed fully automatically from low detection levels up to high ppm or %age level concentrations with high precision and consistent results. The compact and easy-to-access design requires minimum laboratory bench space.



# LAT Lambda Advanced Technology Ltd

## Analytical Instrumentation, Consumables, Service and Support

**Lambda Advanced Technology** is a leading UK supplier of analytical instrumentation, consumables and accessories from some of the world's leading manufacturers. We're experienced analysts ourselves, so we understand what our customers want from their equipment - whether in routine quality control or the most demanding research environment.

Fully ISO 9001 compliant, LAT offers an extremely high level of post sales support, including a comprehensive range of service contracts for a wide range of analytical instruments to keep them calibrated and in tip-top condition.

- Preventative maintenance contracts
- Fully comprehensive 24/7 service contracts
- Emergency breakdown cover
- Calibration and certification of performance
- IQ/QQ/PQ qualification
- Basic and advanced operator training courses

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