

# ICP OES 3500



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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

## Inductively Coupled Plasma Optical (Atomic) Emission spectrometer

ICP-3500 is the first full spectrum direct reading ICP-OES researched by Analytical Technologies based on many years' developing experience of spectral analysis instrument, adopting the independently developed 2 d spectrometer echelle grating system, and auto-excitation type solid state radiofrequency power supply, fusing together the most advanced high-speed CCD in the world, with high resolution, dynamic range, stable work and widely applicable etc, and is able to analyze 72 elements at most in the same time, the detection ability has reached the international advanced level.

- \* The full spectrum of direct reading optical system
- \* Auto-excitation type solid-state radiofrequency power supply
- \* Overflow-proof and scientific research level CCD
- \* The observation model can be configured
- \* Convenient operation
- \* Optimized intelligence source
- \* Automatically calibrated spectrum line
- \* A very short stability time
- \* Distributed intelligent sweep method;
- \* The interlocking power safety protection.

### Accessory Composition



Consumable items



High salt tolerance  
HF resistance Sample  
injection System



Automatic Sampler



Ultrasonic automizer



Hydride generation

## Technical Features

- \* Echelle grating system and prism consist 2 d cross dispersion optical system, covering 165-870 nm.
- \* Auto-excitation type solid-state radiofrequency power supply; Using the fastest frequency conversion matching, with plasma torch stability, hard to put out.
- \* Customized scientific research level and backside illuminated CCD, have the overflow-proof function, high signal-to-noise ratio, wide dynamic range.
- \* Light room multipoint array intelligent argon sweep, small argon gas consumption, thoroughly quickly replacement;
- \* Based on method library management software of the classification and version, facilitate the method management, maintain, and inheritance.
- \* Patented SAR automatic spectral lines separation function, benefit to eliminate spectrum line interference between elements.
- \* "One key type" operation mode and "the wizard type" analysis process designed by Analytical Technologies according to the customer demand, has improved the analysis efficiency effectively.

## Application Areas

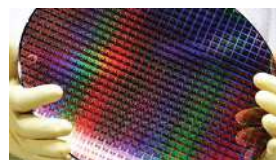
### Two-Way Detection Model



Environment



Water Quality



Semiconductor



Biology



Food

### Vertical Detection Model



Metallurgy



Petrochemicals



Mining



Earth & Plants



Saltwater

## 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.

## Reach us @



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