

# Real Time Analyzer (RTA) 3D

## Fully Automated Analytical Control Tool



## Real-time Monitoring of Electroplating Solutions

Technic's RTA (Real Time Analyzer) systems have set the standard for robust analytical performance in plating for over two decades. These highly reliable tools offer trouble-free, accurate analysis of your electroplating solutions, by monitoring and controlling levels of chemical constituents.

The RTA 3D is the culmination of years of lab and field experience, as it combines successful technologies utilized by the previous well-established RTA systems, with new features that further improve accuracy and reproducibility.

The RTA 3D is ideally suited for semiconductor manufacturing applications that require high levels of precision, such as copper damascene and TSV (Through Silicone Vias).



### Benefits

- Early fault detection capability
- Virtually consumable-free
- No need for reagents or chemical operations (no waste generated)
- Small footprint
- Very low maintenance
- Great reproducibility and accuracy
- High reliability
- Low cost of operation

### Features

- On-line in-tank method
- State-of-the-art electronic components
- Innovative electrochemical techniques
- Intuitive graphical user interface
- Full analysis of undiluted bath in 15-30 min. (all components)
- Automatic temperature correction capabilities
- Open software architecture allowing for customization and integration
- Design based on field experience and customer feedback



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## Unparalleled Customer Support

RTA 3D systems have been designed with remote support in mind; the system is user-friendly and low-maintenance. Operator training is an integral part of the installation process.

Technic's RTA team provides excellent customer service, usually aiming to respond to all customer problems or concerns within 24 hours.

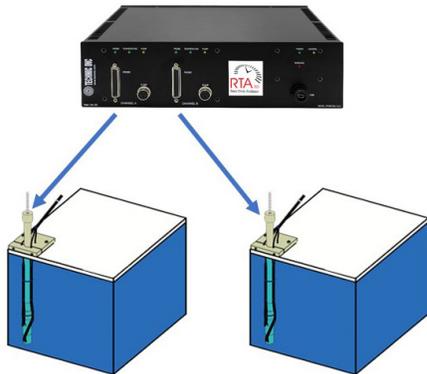
Extended warranty and maintenance contracts are available.



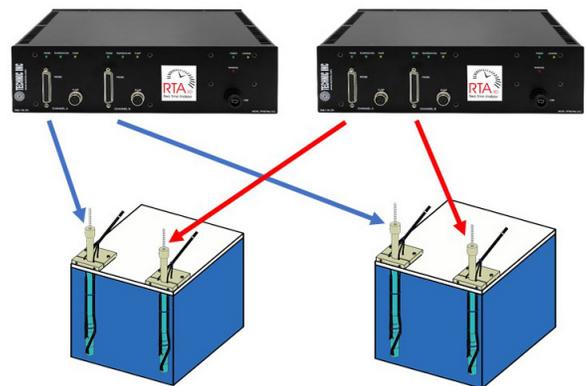
## RTA 3D Configuration Options

Depending on your operational needs, the RTA 3D is available in two configurations. The standard single-unit model delivers a full range of features, ensuring reliable performance and accuracy. For enhanced monitoring and efficiency, the two-unit configuration offers expanded capabilities and a robust operation, eliminating downtime.

**RTA 3D**



**RTA 3D<sup>2</sup>**



RTA 3D	RTA 3D <sup>2</sup>	Configuration Features and Capabilities
✓	✓	Early fault detection capability
✓	✓	Small footprint
✓	✓	Low maintenance/simplicity of design
✓	✓	Quick, reliable results from all bath components
✓	✓	Independent control of 2 different chemistries
	✓	Self-validating configuration assuring a smooth, uninterrupted manufacturing process
	✓	Dual Modular Redundancy (DMR) additionally enhanced by integrated self-diagnostics/fault detection
	✓	Easily multiplied for continuous backup, automation of troubleshooting, and downtime minimization