

The Latest in Plating Bath Analysis

QUALILAB[®] QL-EZ

Plating Bath Analyzer



QualiLab QL-100EZ Plating Bath Analyzer



CVSII Head



QualiLab QL-5EZ Plating Bath Analyzer

QualiLab is an essential tool for chemical plating bath analysis. To answer growing industry demand, ECI has developed a new generation of QualiLab, the QL-EZ. ECI packs over 25 years of experience with chemical plating applications into QL-EZ.

The QL-EZ quantitatively determines the most important component concentrations in every known plating solution used by PCB factories, Semiconductor fabs and R&D laboratories.

Featuring programmable analysis of multiple components, the QL-EZ combines ECI's proprietary CVS and CVS Express methods with titration and spectroscopy techniques to analyze organic additives and inorganic components. In addition the analyzer delivers accurate concentrations of any components critical for the success of electroless deposition process.

The entire analysis sequence is programmed into automated, user-friendly and efficient procedures to increase accuracy, while reducing analysis time and sample preparation.

QualiLab QL-EZ series marks the latest generation of the QualiLab line known as the industry standard for plating bath analysis. With new software and hardware upgrades, QL-EZ is the most flexible and powerful benchtop analyzer available today. Certified by ECI Chempack[®] and extremely flexible for chemistry changes, QL-EZ allows you to do your own R&D.

A New Generation of World Leading Plating Bath Analyzers



We Keep The Chemistry Right.[™]



QUALILAB QL-EZ

Proven Techniques, Extensive Applications, Accuracy, Reliability

Features:

- CVS and CVS Express techniques for the analysis of organic bath components
- Potentiometric titration for the analysis of inorganic components
- Spectroscopy using corrosion-resistant UV-Vis cuvette holder**
- RDT analytical technique for Nickel
- Analysis of breakdown products and contaminants
- Best accuracy and reproducibility on the market
- The largest applications library in the industry
- Automatic syringe delivery system
- 15-position turntable and 14-position sample holder*
- New CVS II head offers greater rotation speed range for analyzing novel chemistries
- New user-friendly software offers:
 - Greater flexibility
 - Embedded online help
 - "Get Me Expert": Easily accessible, user-friendly factory support
- Advanced reporting and data handling including statistics, trend analysis and history management
- State of the art hardware and OS for faster operation and low power consumption
- Communication - TCP/IP networking, LIMS

Typical Applications

Electroplating

Organic additives and inorganic components in baths for Cu, Ni, Sn, Sn/Pb, Pd, Zn, Co/Ni

Electro-less

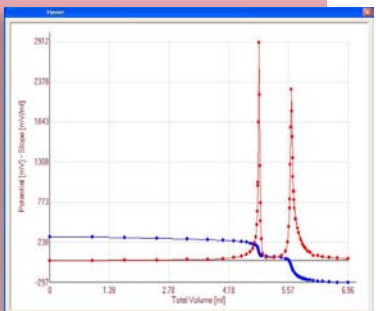
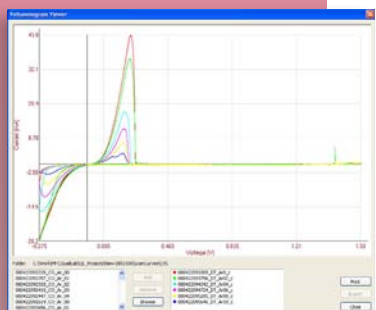
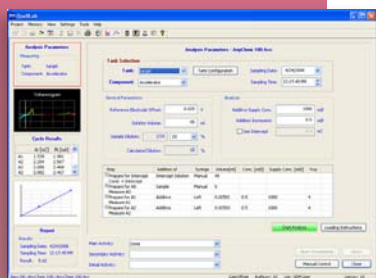
Metals, reducing agents, complexing agents, buffering agents, background ions in electro-less deposition for Co, Cu, Ni, Pd and related auxiliary solutions

Specifications:

- ECI's proprietary and patented analysis techniques
- Inorganic component analysis using titration and spectroscopy
- Analytical methods include CVS, CPVS, PT, Spectroscopy, pH
- Analytical procedures include LAT, MLAT, DT, DCA, DPT, RDT, QC, RC

* - Available in QL-10EZ and QL-100EZ models

** - Available in QL-100EZ and QL-50EZ models



Backed by Award Winning Global ECI Support

For additional information and specifications, call or visit us online:

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