Performance data

ERCo currently has two operating industrial installations of LIBS instruments with the ability to measure the chemical makeup of glass batch and cullet feedstock, in real time and in-situ. This results in quality and productivity improvements and reductions in energy use and emissions.

ERCo offers services including installation, field maintenance, and both application and technical support.

The ERCo LIBS instrument pays for itself in a fraction of a year with the bottom line results it delivers.

Call us for references and check our website at:

www.er-co.com

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ERCo ENERGY RESEARCH COMPANY

The ERCo LIBS Batch Analyzer

ERCo can now provide LIBS instrumentation for use in the glass manufacturing process

Description/Configuration

ERCo LIBS Batch Analyzer – open cabinet

Benefits to the Glass Industry

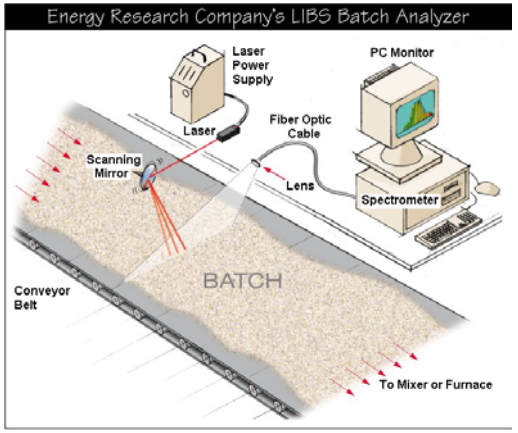
LIBS is a laser-based method for measuring elemental composition in virtually any material, accelerating the decision making process on line. For example, an operator can monitor Boron, Sodium, Calcium or Aluminum concentrations so corrective action can be taken. You are always in control of your process.

The results are improved product quality, better consistency of feedstock and cullet, reduction in scrap, and process waste, and avoidance of expensive downtime on the production line.

Features of the ERCo LIBS Batch Analyzer

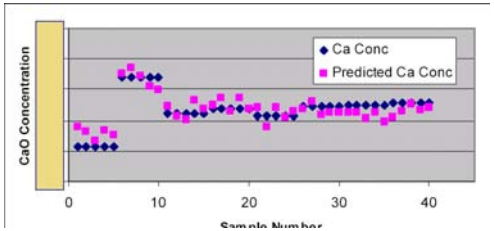
- High accuracies and repeatability for all oxides, including Boron
- Fluorine analysis
- All concentrations measured simultaneously in under 15 minutes
- Operates on only a few grams of material
- User-friendly "One Click" software
- Low maintenance
- Compact design
- Operator is alerted when control limits are exceeded.
- Data archived for process analysis

ERCo LIBS Batch Analyzer – closed cabinet



Artist's rendering of on-line Batch Analyzer

An Example of In-Plant Ulexite Results for One Element



For more information:
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