

# TABLEWARE SERVICES

## PROCESS OPTIMIZATION

- Binder Selection
- Firing
- Forming
- Milling
- Drying
- Decorating
- Rheology
- Spraying

## QUALITY ASSURANCE

- Regulatory (lead, cadmium release)
- Management Systems Certification

## PERFORMANCE TESTING

- Dishwasher Test
- Metal Marking
- Mechanical and Thermal Properties

## FAILURE INVESTIGATION

- Cracks
- Crazeing
- Contamination



## RAW MATERIALS SELECTION

- Glaze
- Body
- Clay
- Slip
- Flux

## EMISSIONS

- EU ETS
- Energy

## INNOVATION

- Encapsulation of Colorants
- Durability & Process Improvement

## TRAINING

## FACTORY AUDIT

## PROCESS OPTIMIZATION

Optimizing or reorganizing existing processes, or implementing new ones, provides the ideal opportunity to ensure that systems and processes are running at their most efficient. Our processing experts can visit sites, audit production processes and recommend how to optimize tableware processing facilities. Optimization encompasses all stages of the tableware manufacturing process, from raw materials selection through to decorating.

## QUALITY ASSURANCE / QUALITY CONTROL

Using our extensive analytical capabilities, our experts provide regulatory testing to EU and international standards to ensure your product meet the latest production standards and regulatory requirements. We also offer auditing of product processes and management certification systems to, e.g. ISO 9001 etc., to ensure compliance.

## FAILURE INVESTIGATION

When failures occur you need to find out why. At Lucideon, our experts investigate the root cause of a failure, determining how and why it has occurred. We don't just stop at determining the source of the failure, we also work with you to correct it and provide recommendations on how your material, product or process can be changed to prevent it happening again. Our experts knowledge is underpinned by our comprehensive analysis tools.

## INNOVATION

Technology innovations are at the heart of what we do. Our most recent innovations are changing the way ceramics are made and measured. New market applications can be approached with our innovative technologies and materials, giving you the edge over competitors and helping you to develop the products and processes of the future.

## COLOUR STANDARDS

Ceramics are photo stable, which makes them ideal to produce standards to measure color against. Lucideon Color Standards are used around the world, so if you need to ensure your colors do not change over time we can provide a color-matched ceramic standard for you to measure against.

## EMISSIONS

High energy-intensive industries, such as ceramics, require emissions to be monitored for and reported to regulatory schemes, for example, EU ETS (EU Emissions Trading Scheme). Lucideon CICS provides independent verification of emissions data, as well as verification of voluntary carbon footprints.

## PERFORMANCE TESTING

All of the testing at Lucideon is performed in ISO 17025 accredited laboratories. Tests can be performed to international standards such as ISO and BSEN for materials development or quality assurance purposes. If a performance claim of a product is made it must be tested to relevant standards to ensure that the claims are substantiated. Unsubstantiated claims could be open to legal action.