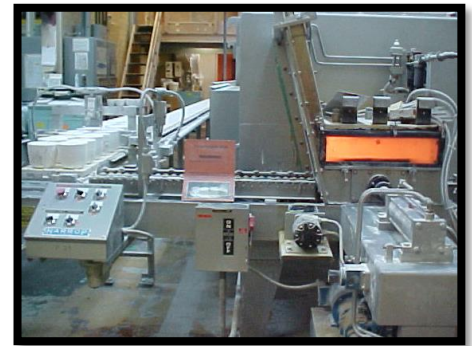


Specialty Chemicals and Materials Manufacturing



<p>Who We Are.</p>	
<p>What We Can Do.</p>	<p>Wet precipitation and solid-state chemical processes</p> <p>Contract R&D / Piloting</p> <p>Specialty & Bulk Production</p>
<p>What We Make Today.</p>	<p>Markets Served Include:</p> <ul style="list-style-type: none"> Lighting Electronics Medical Supplies Display Petrochemical Industry
<p>Why We Are Unique.</p>	<p>Ship and handle Hazardous Materials including toxic, flammable, and corrosive</p> <p>H3-rated spaces for Class I Div 1 & Class I Div 2</p> <p>Shipping domestic (DOT) & international (IATA/IMDG)</p>
<p>How We Can Serve You.</p>	<ul style="list-style-type: none"> Contract chemical manufacturing, toll manufacturing, custom materials and formulations, and packaging Facility and knowledge-basis are well suited for the following applications: Alcohol & Solvent Solutions • Scintillators • Persistent & IR Emission Phosphors • Battery Materials • Solid-Oxide Fuel Cell Materials & Many More!

Specialty Chemicals and Materials Manufacturing

Representative Products

Specialty Paints and Coatings



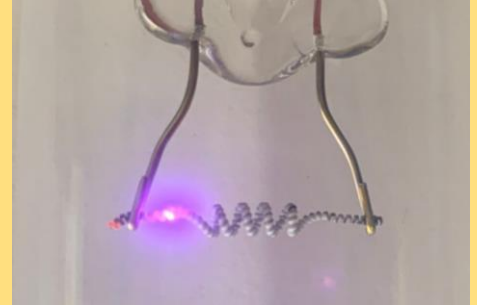
Suspensions used in a variety of demanding applications

TriGain® Potassium Fluorosilicate (PFS/KSF)



Phosphor in display and lighting LEDs providing premium color and efficiency

Thermionic Emitters



Cathode coating for electron emissive surfaces in electron devices

Other Products Include: Inks, Soldering fluxes, Lacquers, Cermet materials, Phosphors, Getters, Catalysts

Representative Capabilities

Processing

- Glass-lined steam-jacketed reactors, mixers, and powder blending equipment
- High-temperature batch and pusher furnaces (both air and reducing atmospheres) as well as vacuum furnaces
- Vertical and horizontal centrifuges
- Ceramic ball mills for aqueous and solvent systems
- Kady mills and Cowles dissolvers for making highly dispersed coatings

Analytical

- X-ray Fluorescence (XRF)
- X-ray Diffraction (XRD)
- Scanning Electron Microscopy (SEM)
- Particle Size Distribution (PSD)
- Luminescence Characterization
- Fourier-Transform IR Spectroscopy (FTIR)
- Viscosity
- TGA/DTA Material Analysis

Contact Us

For information on how Current can meet your specialty chemicals and materials needs, please contact:

Bill Cohen, Ph.D. | Specialty Materials Business Leader | bill.cohen@gecurrent.com | (216) 462-4592

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