

# Shamrock Technologies



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**Additional Facilities**

Henderson, KY USA, Fountain Inn, SC USA,

Tongeren, Belgium, Tianjin, China

## COMPANY DESCRIPTION

Shamrock Technologies creates innovative products our customers need to grow their businesses. For over 80 years, Shamrock advances have driven the use of PTFE and wax additives in a wide range of applications including inks, coatings, lubricants, thermoplastics, and personal care products. Shamrock is the global leader in PTFE additives, pioneering their use for inks and coatings and offering an extensive product line including PTFE powders, specialty waxes, compounds, emulsions, and dispersions. These materials enhance our customers' products by controlling slip, rub/abrasion resistance, texturing, water repellency, gloss/matting and feel.

## TECHNICAL MISSION

Shamrock is recognized for its outstanding hands-on technical expertise. Shamrock's chemists, polymer scientists, process and chemical engineers work together in the dedicated on-site ink applications laboratory to provide creative solutions for our customers. Shamrock Technologies provides unmatched hands-on expertise in surface chemistry solutions.

## PRODUCT SCOPE

- EU Regulatory Compliant (RC) PTFE micropowders in a range of particle sizes and oil absorption
- Bio-based sustainable vegetable derived wax additives
- Micronized synthetic wax and wax alloys in various particle sizes, melting characteristics, and crystallinity
- Water-based wax emulsions, dispersions, and other specialty additives
- Technical service to address the needs of specific ink systems

## UNIQUE PRODUCTS

Customization is the key to Shamrock's success. In-depth application expertise coupled with proprietary manufacturing capabilities provide customers with "open formulation" solutions. With patented Electron Beam Accelerators and a range of surface modification technologies, Shamrock can customize a product's molecular weight, thermal properties, solubility, particle size, hardness, morphology, surface energy, wettability and many other properties.

## RESEARCH & DEVELOPMENT

Shamrock Technologies' research and development efforts are driven by market needs. Shamrock's dedicated application labs and comprehensive universal lab are staffed by multiple teams of chemists and engineers. The results have been decades of new patented products, and processes.

## QUALITY CONTROL

As a hands-on manufacturer, Shamrock Technologies has total manufacturing control, from raw materials to finished product. The company's thorough system of quality control and assurance results in consistently reproducible products and predictable performance. Quality control employs thermal, surface area and particle size analysis, interpreted using Statistical Process Control.

## ISO & ENVIRONMENTAL STANDARDS

Our state-of-the-art manufacturing facilities are ISO 9001:2015 certified to ensure the highest quality products, service and development capabilities.

## FEATURED PRODUCT LINES

### PTFE POWDERS

- SST® RC Series
- FluoroSLIP® RC Series

### WAX POWDERS

- S-Series (PE Powders)
- BioSLIP™
- PP Based Powders
- Natural Wax Powders
- Texturing Additives

### PREMIUM DISPERSIONS

- Hydrocer™ Series (PE/water)
- AquaFLON® RC (PTFE/water)
- CeraSPERSE (Wax Compound)
- FluoroSPERSE® RC (PTFE/oil)