



Phoenix Plastics is a full service provider of instrumental analysis and digital stereo, transmission, and reflective microscopy for the plastics industry. We currently service the following industries:

- Plastics
- Coatings
- Metallurgical
- Mineralogical

These Industries are serviced with high detailed resolution digital photos either in stereo, reflective or transmission mode. This three prong approach to sample analysis allows viewing of the surface and sides of objects in stereo up to 100X and reflective and transmission of objects up to 1000X.

In addition to Microscopy we provide contract analytical services to the Plastics Industry.

Phoenix Plastics Analytical Testing Services

- GCMS
- Proton NMR
- Phosphorus NMR
- Carbon 13 NMR
- FTIR
- UV Analysis
- Ion Chromatography
- HPLC
- GC Analysis
- ICP:AES
- Extraction and Cryogenic grinding
- Karl Fisher water
- Fluorine Testing and PFOA , PFOS
- Reverse Engineering additive packages

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- Spin Finish Analysis
- Pigment and Dye Analysis and Identification
- Hindered Amine and Ultraviolet additive analysis
- Antioxidant (primary and secondary) quantification and ID analysis
- SEM Microscopy
- Infrared Microscopy
- X-ray Microscopy
- High temperature GPC: Nylon, Polyolefins, Polyester
- Intrinsic Viscosity e.g. polyesters
- Xenon arc WOM and QUV testing
- Capillary Rheometry
- Melt flow and Density
- BET and Pore volume
- Physical testing and injection molding ASTM samples
- TGA and DSC analysis
- Hexavalent Chromium
- REACH testing : VOC, HAPS, PAH, Bay protons

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