



















MATERIALS TESTING





PARTICLE TECHNOLOGY	ACTIVITY
	
<ul style="list-style-type: none"> ▪ Density ▪ Size Distribution & Shape ▪ Counting ▪ Surface Area ▪ Pore Size Distribution ▪ Yield Strength & Segregation 	<ul style="list-style-type: none"> ▪ Chemisorption ▪ TPD / TPR / TPO ▪ Microreactor ▪ Zeta potential ▪ High Pressure Adsorption
 <p style="font-size: small;">The Science and Technology of Small Particles™</p>	

APPEARANCE	SURFACE SCIENCE
	
<ul style="list-style-type: none"> ▪ Color - Gloss - Brightness ▪ % Transmission ▪ Opacity ▪ Chemometrics Probe 	<ul style="list-style-type: none"> ▪ Contact Angle ▪ Surface Tension ▪ Surface Energy ▪ Liquid Density
	 <p style="font-size: x-small;">Understanding Interfaces</p>





OPTICAL	VISCOSITY / RHEOMETRY
	
<ul style="list-style-type: none"> ▪ Industrial Optical Devices ▪ Active Vibration Isolation ▪ Imaging Ellipsometer ▪ Brewster Angle Microscope 	<ul style="list-style-type: none"> ▪ Viscometers ▪ Rheometers
 	 





ENVIRONMENTAL TESTING

TOC	VOC
	
<ul style="list-style-type: none"> ▪ Total Organic Carbon ▪ UV-Persulfate ▪ Combustion - Catalyst ▪ Sludge ▪ Solid Sampler ▪ Waste Water ▪ Drinking Water ▪ Surface Water 	<ul style="list-style-type: none"> ▪ <i>Volatile Organic Compounds</i> ▪ Purge & Trap ▪ Headspace ▪ Odor & Taste ▪ Packaging
	







AUTOMATED CHEMISTRY ANALYSERS	CLEANLINESS & COUNTING
	
<ul style="list-style-type: none"> ▪ Continuous Flow Analyser ▪ Discrete Analyser ▪ (Water - Soil) ▪ (Industrial - Fertilizer) 	<ul style="list-style-type: none"> ▪ Process Water ▪ Organic Fluids ▪ Parts Cleanliness ▪ Water Viewer - Online ▪ Flocculent Size Analyzer
	

SAMPLE PREPARATION TESTING







OIL CONTAMINATION	DIGESTION
	
<ul style="list-style-type: none"> ▪ Oil in Water ▪ Soil Testing ▪ TOG (Total Oil & Grease) ▪ TPH (Total Petroleum Hydrocarbons) ▪ FOG (Fat, Oil & Grease in Water) 	<ul style="list-style-type: none"> ▪ Block Digestion - TKN ▪ Deena: Automated Sample Digestion ▪ Hot Blocks
	

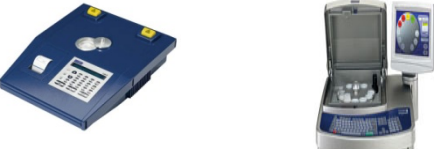





TOTAL SAMPLE PREP	SVOC
	
<ul style="list-style-type: none"> ▪ Sample Extraction ▪ Sample Cleanup & Fractionation ▪ Concentration & Evaporation 	<ul style="list-style-type: none"> ▪ QuEChERS ▪ Pesticides ▪ Veterinary Drugs
	







ELEMENTAL TESTING

X-RAY	NEAR INFRARED	FLAME PHOTOMETERS
		
<ul style="list-style-type: none"> ▪ X-Ray Analysis Mg to U ▪ Wood Preservatives ▪ Mineral Analysis ▪ Filter Analysis 	<ul style="list-style-type: none"> ▪ Fat - Protein ▪ Moisture ▪ Glycaemic Index ▪ Seed Count ▪ Food Beverage 	<ul style="list-style-type: none"> ▪ Flame Photometers for : ▪ Sodium ▪ Potassium ▪ Lithium ▪ Calcium
		

PETROLEUM TESTING

PHYSICAL	ELEMENTAL	USED OIL
		
<ul style="list-style-type: none"> ▪ Cetane Number (ISL) ▪ Viscosity, Cold Behavior (ISL) ▪ Ring & Ball, Noack (ISL) ▪ Distillation, Flash Point (Herzog) ▪ JFTOT, MCRT (Alcor) ▪ Ethanol, Moisture, Dye 	<ul style="list-style-type: none"> ▪ Nitrogen (Antek) ▪ Sulfur (Antek) ▪ Halogen (Antek) ▪ Chromatography (AC) ▪ SIMDIS - DUHA - PIONA ▪ Cambridge Viscosity 	<ul style="list-style-type: none"> ▪ TAN ▪ Water ▪ FAME ▪ Count & Size ▪ Metal ▪ Viscosity
		

X-RAY	CONDUCTIVITY	PARTICLE COUNTER
		
<ul style="list-style-type: none"> ▪ <u>XRF For Sulfur</u> ▪ <u>Lube Oils Analysis</u> ▪ Additives Packs ▪ Multi <u>Elemental Analysis</u> ▪ S, Cl in Fuels and Oil 	<ul style="list-style-type: none"> ▪ Digital Conductivity Meters ▪ In-line Conductivity Meters ▪ Water Separability ▪ Filterability of Explosive Liquids 	<ul style="list-style-type: none"> ▪ Portable Particle Counter ▪ Online Particle Counter for Oil, Gas & Fuel
		

TRIBOLOGY	THERMOREGULATION	TEMPERATURE
		
<ul style="list-style-type: none"> ▪ HFRR ▪ Boccle 	<ul style="list-style-type: none"> ▪ High Precision Thermoregulators ▪ Chillers ▪ Baths & Circulators 	<ul style="list-style-type: none"> ▪ Intrinsically Safe Thermometer ▪ Tank Temperature
		

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