

Prevent disruption to your pyrolysis processing

Challenge

Determining elemental analysis results quickly during various stages of the pyrolysis process for plastic to plastic or plastic to fuel can be difficult and time consuming. Reliable results that drive critical process treatment changes can require lengthy sample preparation as well as advanced testing equipment and resources slowing process mitigation and optimization efforts.

Solution

MWD-XRF and ED-XRF solutions cover your needs throughout the entire process whether your sample is shredded mixed plastic waste, catalyst, residue/wax or liquid with limited to no sample preparation that produces results within minutes.

Benefit

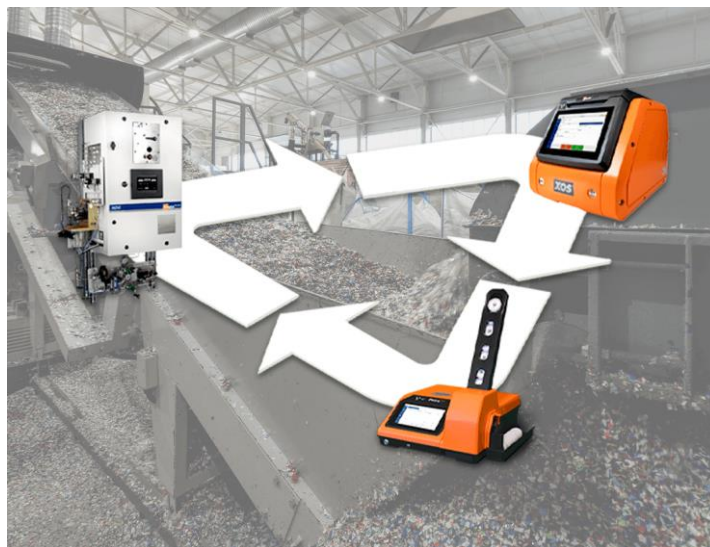
Whether your sample is liquid or solid, XOS analysers will provide you with results to help monitor and optimize your process to shorten critical response times. XOS can provide real-time results with online solutions for sulfur and chlorine or benchtop solutions for multiple elements. Delivered testing and elements of interest flexibility based on your unique feedstock and process challenges.

How do I benefit from using these analyzers?

PetraMax units measure 13 elements from P to Zn in complex matrices such as shredded waste plastics using ED-XRF for key elements such as chlorine from PVC contaminations giving you the information you need to optimize your process.

Sindie+Cl units measure S and Cl simultaneously in liquids using MWD-XRF with detection limits of 0.3 mg/kg for Cl and 0.4 mg/kg for S making it the ideal solution to verify/certify your final fuel products.

Does your sample solidify at room temperature? No worries we've tested samples that become liquid at 130 degrees Celsius or above that and we've created an SOP that will measure these samples with repeatable values.



Are you in search of the easiest way to quickly measure/screen your products before, during or after your pyrolysis process? Do you have other unique testing challenges? XOS is here for you and has a team of application experts ready to help you fine tune your elemental monitoring/certification.

Consult
an Expert



CONTACT US: info@xos.com • www.xos.com

