

# PORTASPEC<sup>®</sup> 2501 Series X

## MULTI-ELEMENT SEQUENTIAL ANALYSIS

The PORTASPEC<sup>®</sup> 2501 Series X is an enhancement to the pre-existing PORTASPEC<sup>®</sup> XBT that will allow testing on larger samples due to it's new sample tray, eliminating the need to cut coupons.



## PRODUCT OVERVIEW

PORTASPEC<sup>®</sup> 2501 Series X is capable of performing multi-element sequential analysis in the range of Ti to U and is ideal for measuring coating weights of both chrome and titanium pretreatment.

Cianflone's PORTASPEC<sup>®</sup> 2501 Series X is similar to the Model 2501 XBT. It contains an adjustable goniometer that allows the user to analyze up to 5 elements, preset sequentially one at a time. Its elemental range is from element #22 to element #92 uranium. With the new sample tray configuration, it allows to measure a larger range of sample sizes with the same high quality standards you presently experience from your PORTASPEC<sup>®</sup>.

Other benchtop PORTASPEC<sup>®</sup> versions available are Fixed Single Element (FSE) and Multi-Element Sequential (MES) analysis

## SOFTWARE

Powering Cianflone's full line of X-Ray Spectrographic Analyzers is PORTASPEC<sup>®</sup> PCS Software—a Windows<sup>®</sup>-based application that provides excellent records of prior analyses, improves productivity, and simplifies analysis. PORTASPEC<sup>®</sup> PCS Software is designed for multiple industries, including tubing and bar stock, mining and minerals, petroleum, high- and low-alloy steel, scrap metals, glass, synthetic and natural fibers, building materials, can, chemical research, alloy research, automotive, nuclear testing.

## INCLUDED ITEMS

- HDMI connection to monitor for real-time review and operation of the software
- Monitor, keyboard and mouse
- Electric water cooler and circulator
- PC interface with internal mini-computer/hard drive
- Software training and upgrades for up to a year are included with your PORTASPEC<sup>®</sup> purchase.

## WORLDWIDE APPLICATION

Companies worldwide depend on Cianflone Scientific to provide efficient and effective portable elemental analysis, coating thickness measurements and sample preparation.



### PORTASPEC<sup>®</sup> 2501 Series X Technical Data

<b>Bragg Angle Range</b>	13 to 98 Degrees Two Theta	
<b>Analyzing Crystal</b>	LiF 200	
<b>Element Range K<math>\alpha</math></b>	22 – 47 (Ti – Ag)	
<b>Element Range L<math>\alpha</math></b>	56 – 92 (Ba – U)	
<b>Adjustable Preset Element Stops</b>	Up to 5	
<b>Voltage Requirements</b>	AC 110 to 240 V Single Phase	50/60 Hz
<b>Dimensions and Weight</b>		
<b>PortaSpec<sup>®</sup></b>	18" L x 14" W x 13" H	64 lbs.
<b>Water Circulator</b>	10" L x 10.5" W x 13" H	10 lbs. Empty
<b>Sample Tray</b>	10" L x 16" W x 1" H	