

Ni ²⁸	Cr ²⁴	Mo ⁴²
Fe ²⁶	Al ¹³	















S1 TITAN 500

Fast, accurate and affordable

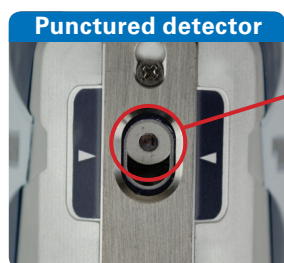
● Handheld XRF Scrap Sorter

- Extremely lightweight: 1.5kg / 3.3 lbs., including battery
- 1 - 2 sec. Grade ID for standard alloys
- Large Silicon Drift Detector (SDD) for speed and precision

S1 TITAN Configurations	Excitation	Detector	Elemental Range	Spot Size	Calibrations							
					Alloy	Alloy LE	Precious Metals	Low Lead in Copper	Restricted Materials	Limestone	GeoChem	Soil
Model 800    	6-50kV 4 filters		Mg - U	8, 5 or 3*mm								
Model 600    	15-50kV 4 filters		Mg - U	5mm								
Model 500  	40kV Fixed filter	SDD	Ti - U	5mm								

TITAN Detector Shield™: The ultimate defense against punctured detectors. This unique patent pending S1 TITAN accessory protects the detector window from being punctured by sharp objects like scrap shavings and wire, while still allowing rapid and accurate analysis of almost any material.

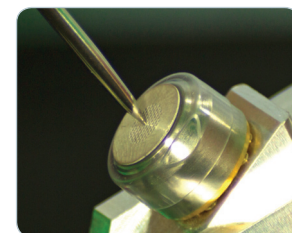
- Minimizes costly detector punctures
- Increases equipment up-time
- No need to change window or calibration when measuring light elements
- No sacrifice to analytical performance, even when measuring light elements such as Mg, Al or Si



Damaged detector



Undamaged detector
when fitted with
TITAN Detector Shield



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* TITAN Detector Shield is not available with 3mm spot