

# RexRay<sup>TM</sup>

Trust is our value, Excellence is our promise.

## RexRay 525



### Advanced Detectors

Fast analysis with high accuracy **Si-PIN Detector (Amptek)**.

### Accurate karat Measurement

Provides instant lab quality result of gold with accuracy of  $\pm 0.01\%$   
Other elements can be display as per the composition.

### Large Sample Size

Wide space for big article can easily check with dimension of 240\*250\*85 mm and can weight up to 13kg. <sup>TM</sup>

### Diversity

Analysis of more than 20 elements in Si-PIN i.e RexRay 525 Silicon Drift Detector using Fundamental (FP) method.

### Advanced Software

Traceability of precious elements with accurate percentage of element.

### Easy to Use

Karat & composition analysis with single push button.  
User friendly software to detect all precious metals.

### Non-Destructive Method

Jewellery & raw gold detection without disturbing the samples size and shape. Sample remains intact and undamaged.

### Reports

New Expandable Storage generated Customized reports with sample image. Long Data also can be stored in database.

### Live Camera Sample Image

High Resolution Camera System. Users can view sample live. Clear sample image can be seen. Samples can be conveniently placed.

### Safety

Special door closure switch ensures X-ray generation only when door is closed.

## USES / FUNCTIONS

- Gold Purity Certification & Hallmarking
  - Jewellery Sector
  - Museums & Heritage Sites
  - Refining & Melting Functions

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## Detection System

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Type Si PIN Detector

## Excitation

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X-ray tube 50W tungsten tube

Aperture (Collimator) Fixed - 1.1mm & 1.5mm

## General Specification

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Intended use Energy dispersive X-ray measuring instrument (EDXRF) for analysis of precious metals and their alloys in composition and coating thickness

Element range Titanium (22) to Uranium (92)

## Sample Handling

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Sample positioning Manually

Sample image Live sample viewing with high resolution camera. Convenient placement

## Dimensions

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External dimentions 560 mm x 242 mm x 392 mm

Weight 37 kg

## Electrical Data

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Power supply AC 230V 50/60Hz

Power consumption Max. 350W

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