

# GOLDSTARK<sup>®</sup>

## Innovative & Reliable XRF For Precious Metals

Goldstark is developed for fast and accurate non-destructive analysis of jewelry, precious metals, coins and alloys. It uses the most reliable and recommended XRF technology for karat classification and high precision measurement.



### Applications :

Jewelry Industry

Karat Certification & Hallmarking

Refining & Melting Operations

Museums & Archaeological Sites

### Easy to Use

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

### Advanced Detectors

Fast analysis with a new Si PIN Detector.

### Non-Destructive Method

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

### Large Sample Size

Wide space for big article can easily check with dimension of 160\*150\*90 mm and can weight up to 15 kg.

### Accurate Karat Measurement

Provides instant lab quality results of gold with accuracy of  $\pm 0.2\%$ .  
Other elements can be display as per the composition.

### Diversity

Analysis of more than 20 elements in Si PIN i.e. XGM 500 with Silicon Pin Detector using Fundamental Method (FP) method.

### Live Camera Sample Image

High Resolution Camera System with magnifying image up to 20%.  
Users can view sample live. Clear sample image can be seen.  
Samples can be conveniently placed.

### Advanced Software

Traceability of precious elements with accurate percentage of element.

New format of BIS for the Hallmarking Center is also upgraded for the smooth function and updates.

### Reports

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

### Safety

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



**SPECTROVISION INSTRUMENTS PVT. LTD.**

**A Legacy of Trust**

## General Specification

---

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)

## Excitation

---

X-ray tube	50 W tungsten tube
Aperture (Collimator)	Fixed : $\varnothing$ 1 mm. Optional : $\varnothing$ 2 mm or $\varnothing$ 0.6 mm Multi collimeter is also available as per requirement

## Detection System

---

Type	Si PIN Detector
------	-----------------

## Sample Handling

---

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

## Electrical data

---

Power supply	AC 230 V 50/60 Hz
Power consumption	Max. 350 W

## Dimensions

---

External dimensions	560 x 430 x 320 mm
Weight	35 kg



**GOLDSTARK**<sup>®</sup>

H. O. : C-204, Kailas Esplanade, LBS Marg, Ghatkopar (W),  
Mumbai - 400086. • Tel. : 022 25002646 • Mobile : +91 93222 21943  
E-mail : [info@spectrovision.in](mailto:info@spectrovision.in) • Website : [www.spectrovision.in](http://www.spectrovision.in)

DELHI ♦ KOLKATA ♦ HYDERABAD ♦ BANGALORE ♦ CHENNAI