

GOLDSTARK®

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 high accuracy Silicon Drift Detector (SDD).

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 $\pm 0.1\%$.
Other elements can be display as per the composition.

Diversity

Analysis of more than 25 elements in Silicon Drift Detector (Latest SDD Technology) i.e. XGM 550 with Silicon Drift 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	Silicon Drift Detector (SDD)
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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



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