ASSURE TESTED

G-Certain

G-Certain is a desktop diamond verification instrument for loose and mounted diamonds, designed to separate diamonds from synthetic diamonds. G-Certain is manually operated but gives an automatic test result.

G-Certain automatically makes a measurement and displays one of the following results:

◊ Diamond
◊ Synthetic diamond
◊ Check with fluorescent light

Stone Testing Capabilities

Weight of stones:	**0.001 ct - 10 ct**
Size of stones:	**0.6 mm - 14.4 mm**
Colour of stones:	**D-Z**
Shape of stones:	**All**
Diamond simulants:	**No**
Mounted stones:	**Yes** not yet ASSURE Tested

Instrument Capabilities

Automated feed:	**No**
Automated results:	**Yes**
Automated dispense:	**No**
Detect or Refer (synthetic diamonds)	**Detect**
Detect or Refer (diamond simulants)	**N/A**
Multiple stones at once:	**Yes**
Training required:	**No**

Instrument Performance

The results demonstrate the performance of the G-Certain tested by a novice operator:

	Core Sample	Smalls Sample
Diamond False Positive Rate *Optimal rate 0%*	17.6%	4.7%
Diamond Referral Rate *Optimal rate 0%*	0.2%	0.6%
Diamond Accuracy Rate *Optimal rate 100%*	99.7%	99.3%
Speed *Stones tested per hour*	908	908

Instrument Specifications

30 cm (w) x 30 cm (d) x 37 cm (h)

12 kg

9,999 USD May 2019

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