



GLIS-MINI



GLIS-MINI is a desktop diamond verification instrument for loose and mounted diamonds, designed to separate natural diamonds from synthetic diamonds and diamond simulants. GLIS-MINI is manually operated and requires the user to interpret the test results.

GLIS-MINI captures multiple images and based on visual analysis of the images, and support from a decision tool, the operator concludes the nature of the stones. The following results can be concluded by the operator based on the data generated by the GLIS-MINI:

- ◇ Pass - natural diamond
- ◇ Refer

'Refer' could indicate potential synthetic diamonds, diamond simulants and diamonds. The referrals should be tested further for full verification.

Stone Testing Capabilities

Weight of stones:	All
Size of stones:	All
Colour of stones:	D-J
Shape of stones:	All
Diamond simulants:	Yes
Mounted stones:	Yes not yet ASSURE Tested

Instrument Capabilities

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

Instrument Performance

The below results demonstrate the performance of the GLIS-MINI when tested by an Expert Operator:

	Core Sample	Smalls Sample
Diamond False Positive Rate <i>Optimal rate 0%</i>	11.1%	7.3%
Diamond Referral Rate <i>Optimal rate 0%</i>	0.8%	16.4%
Diamond Accuracy Rate <i>Optimal rate 100%</i>	93.2%	80.1%
Speed <i>Stones tested per hour</i>	951	951

Instrument Specifications

25 cm (w) x 15 cm (h) x 13 cm (h)

3 kg

5,500 USD January 2021

charles@gzbiaoqi.com

+86 13310897669

ASSURE Tested November 2019

ASSURE ID 49079