ASSURE TESTED

Synthetic Diamond Screener II

Synthetic Diamond Screener II is a portable desktop diamond verification instrument for loose and mounted stones, designed to screen out synthetic diamonds. Synthetic Diamond Screener II is manually operated but gives an automatic test result.

Diamond Screener II automatically displays one of the following results:

◇ Blue – Natural diamond
◇ Red – Type IIa diamond

The 'Red – Type IIa diamond' result could contain potential synthetic diamonds and diamonds. These referrals should be tested further for full verification.

Stone Testing Capabilities

Weight of stones:	**0.02 ct - 10 ct**
Size of stones:	**From 1.50 mm in width to 5.00 mm in height**
Colour of stones:	**D-J**
Shape of stones:	**All, if it has a flat surface**
Diamond simulants:	**No**
Mounted stones:	**Yes** open back setting, not yet ASSURE Tested

Instrument Capabilities

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

Instrument Performance

The results demonstrate the performance of the Synthetic Diamond Screener II tested by a novice operator:

	Core Sample
Diamond False Positive Rate *Optimal rate 0%*	0%
Diamond Referral Rate *Optimal rate 0%*	15.5%
Diamond Accuracy Rate *Optimal rate 100%*	84.5%
Speed *Stones tested per hour*	240

Instrument Specifications

13 cm (l) x 10 cm (w) x 6.5 cm (h)

0.21 kg

599 USD February 2019

presidium.com.sg
sales@presidium.com.sg
+65 6771 9760

ASSURE Tested March 2019
ASSURE ID 547682