



J.Mini



Overview

J.Mini is a portable diamond verification instrument for loose and mounted stones, designed to separate synthetic diamonds from diamonds. J.Mini is manually operated but gives semi-automatic test interpretation.

J.Mini automatically makes a measurement and displays one of the following results:

- i) Diamond
- ii) Synthetic diamond
- iii) Refer

In case of query, J.Mini software has a troubleshoot option that connects the user with the DRC Techno Support team to get an instant response.

Stone Testing Capabilities

Weight range: **0.003 ct+**
 Size of Stones: **0.7 mm+**
 Colour range: **D-K**
 Stone shape: **All**
 Diamond simulants: **No**
 Mounted stones: **Yes** not yet ASSURE tested

Instrument Capabilities


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

Instrument Performance

The results demonstrate the performance of the J.Mini tested by an expert operator:

	Core Sample	Smalls Sample
Diamond False Positive Rate <i>Optimal rate 0%</i>	15.6%	1.6%
Diamond Referral Rate <i>Optimal rate 0%</i>	N/A	N/A
Diamond Accuracy Rate <i>Optimal rate 100%</i>	93.9%	77.0%
Speed <i>Stones tested per hour</i>	935	935

Instrument Specifications

 31.5 cm (W) x 27.5 cm (D) x 38 cm (H)

 6 kg

Price: 6,499 USD August 2019

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