



## J.Detect 9000



### Overview

J.Detect 9000 is a desktop diamond verification instrument for loose and mounted diamonds, designed to separate synthetic diamonds from diamonds. J.Detect 9000 is manually operated but gives semi-automatic test interpretation.

J.Detect 9000 automatically makes a measurement and displays one of the following results:

- i) Diamond
- ii) Refer

In case of query, J.Detect 9000 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): **Refer**  
 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.Detect 9000 tested by an expert operator:

	Core Sample	Smalls Sample
<b>Diamond False Positive Rate</b> <i>Optimal rate 0%</i>	14.6%	3.7%
<b>Diamond Referral Rate</b> <i>Optimal rate 0%</i>	18.6%	9.7%
<b>Diamond Accuracy Rate</b> <i>Optimal rate 100%</i>	81.4%	90.3%
<b>Speed</b> <i>Stones tested per hour</i>	679	679

### Instrument Specifications

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

 14 kg

Price: 9,999 USD August 2019

### Contact

[drctechno.com](http://drctechno.com)  
[info@drctechno.com](mailto:info@drctechno.com)  
 +91 990 9990 884

**ASSURE Tested August 2019**  
**ASSURE ID 24193**