



# J.Detect 9000



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:

- ◇ Diamond
- ◇ Refer

In case of a query, J.Detect 9000 software has a troubleshoot option that connects the user with the DRC Techno Support team to get instant response.

## Stone Testing Capabilities

Weight of stones:	<b>0.003 ct+</b>
Size of stones:	<b>0.7 mm+</b>
Colour of stones:	<b>D-K</b>
Shape of stones:	<b>All</b>
Diamond simulants:	<b>No</b>
Mounted stones:	<b>Yes</b> not yet ASSURE Tested

## Instrument Capabilities

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

## Instrument Performance

The results demonstrate the performance of the J.Detect 9000 tested by an expert operator:

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

## Instrument Specifications

**31.5 cm (l) x 27.5 cm (w) x 38 cm (h)**

**14 kg**

**9,999 USD** August 2019

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